# **Groundwater QA/QC Samples**

\_\_\_\_

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: MITKEM CORPORATION

RPTB071802

Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1106 Matrix: (soil/water) WATER Lab Sample ID: A1106-03A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V4B2495 Level: (low/med) LOW Date Received: 07/19/02 % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 07/23/02 GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q Т ۰.

Contract:

| 71-43-2Benzene          | 1 | υ   |  |
|-------------------------|---|-----|--|
| 108-88-3Toluene         | 1 | ט ו |  |
| 100-41-4Ethylbenzene    | 1 | ט [ |  |
| 1330-20-7Xylene (Total) | 1 | ט ( |  |
|                         |   |     |  |

FORM I VOA

• .•

| 1A<br>VOLATILE ORGANICS ANALY   | EPA SAMPLE NO.                                 |
|---|--|
| Lab Name: MITKEM CORPORATION  | Contract:                                      |
| Lab Code: MITKEM Case No.:  | SAS No.: SDG No.: A1103                        |
| Matrix: (soil/water) WATER  | Lab Sample ID: A1103-03A                       |
| Sample wt/vol: 5.000 (g/mL) M   | L Lab File ID: V4B2484                         |
| Level: (low/med) LOW  | Date Received: 07/18/02                        |
| % Moisture: not dec.  | Date Analyzed: 07/23/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)  | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)  | Soil Aliquot Volume:(uL                        |
| CAS NO. COMPOUND  | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Tota) |  |

. •

.

EPA SAMPLE NO.

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: MITKEM COR | PORATION        | Contract:                                   | RPTB071902  |
|----------------------|-----------------|---|-------------|
| Lab Code: MITKEM     | Case No.:       | SAS No.: SDG                                | No.: A1111  |
| Matrix: (soil/water) | WATER           | Lab Sample ID                               | : A1111-06A |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File ID:                                | V4B2496     |
| Level: (low/med)     | LOW             | Date Received                               | : 07/20/02  |
| % Moisture: not dec. |                 | Date Analyzed                               | : 07/23/02  |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution Fact                               | or: 1.0     |
| Soil Extract Volume: | (uL)            | Soil Aliquot                                | Volume:(uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/: |             |
|                      |                 |   |             |

| 71-43-2Benzene          | 1 | υ |
|-------------------------|---|---|
| 108-88-3Toluene         | 1 | υ |
| 100-41-4Ethylbenzene    | 1 | υ |
| 1330-20-7Xylene (Total) | 1 | υ |
|                         | i | [ |

. \_ \_ \_ . . .

\_\_\_\_

| 1A                             |         |
|--------------------------------|---------|
| VOLATILE ORGANICS ANALYSIS DAT | A SHEET |

EPA SAMPLE NO.

| VOLATILE ORGANICS ANALYSIS DATA SHEET  |  |  |
|--|--|--|
| Lab Name: MITKEM CORPORATION   | Contract:                                      |  |
| Lab Code: MITKEM Case No.:   | SAS NO.: SDG NO.: A1118                        |  |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1118-04A                       |  |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V4B2506                           |  |
| Level: (low/med) LOW   | Date Received: 07/23/02                        |  |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 07/24/02                        |  |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |  |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |  |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |  |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) |  |  |

.

#### 1A

--- -

\_\_\_\_

EPA SAMPLE NO.

| VOLATILE ORGANICS ANALYSIS DATA S  | SHEET                                |
|--|--------------------------------------|
| Lab Name: MITKEM CORPORATION Contract  | RPTB072302                           |
| Lab Code: MITKEM Case No.: SAS No.   | .: SDG No.: A1120                    |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1120-06A             |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V4B2523                 |
| Level: (low/med) LOW   | Date Received: 07/24/02              |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 07/25/02              |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                 |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)             |
|  | INTRATION UNITS:<br>or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>1 U<br>1 U      |

FORM I VOA

----

EPA SAMPLE NO.

ľ

\_\_\_\_\_I

| Lab Name: MITKEM CORPORATION   | Contract:                                      |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1128                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1128-04A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V4B2534                           |
| Level: (low/med) LOW   | Date Received: 07/25/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 07/25/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>1 U<br>1 U                |

FORM I VOA

.

| VOLATILE ORGANI                | 1A<br>ICS ANALYSIS DATA | SHEET                                | EPA SAMPLE NO. |
|--------------------------------|-------------------------|--------------------------------------|----------------|
| Lab Name: MITKEM CORPORATIO    | ON Contrac              | t:                                   | RPTB072502     |
| Lab Code: MITKEM Case No       | o.: SAS No              | .: SDG                               | No.: A1132     |
| Matrix: (soil/water) WATER     |                         | Lab Sample ID:                       | A1132-09A      |
| Sample wt/vol: 5.000           | (g/mL) ML               | Lab File ID:                         | V4B2625        |
| Level: (low/med) LOW           |                         | Date Received:                       | 07/26/02       |
| <pre>% Moisture: not dec</pre> |                         | Date Analyzed:                       | 08/01/02       |
| GC Column: RTX-502.2 ID: 0.    | .53 (mm)                | Dilution Facto                       | r: 1.0         |
| Soil Extract Volume:           | (uL)                    | Soil Aliquot V                       | olume:(uL)     |
| CAS NO. COM                    |                         | ENTRATION UNITS:<br>L or ug/Kg) UG/L |                |

- ---

\_

| 1330-20-7Xylene (Total) 10 | 71-43-2Benzene         108-88-3Toluene         100-41-4Ethylbenzene         1330-20-7Xylene (Total) | 1<br>1<br>1<br>1 | ប<br>ប<br>ប<br>ប |
|----------------------------|---|------------------|------------------|
|----------------------------|---|------------------|------------------|

.

# 000116

| 1A<br>VOLATILE ORGANICS ANALYSIS I   | DATA SHEET                                     |
|--|--|
| Lab Name: MITKEM CORPORATION Cor   | TRIPBLANK                                      |
| Lab Code: MITKEM Case No.: SA  | AS NO.: SDG No.: A1361                         |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1361-06A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6482                           |
| Level: (low/med) LOW   | Date Received: 09/18/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 09/25/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>1 U<br>1 U                |

- -- -

### 1A

#### EPA SAMPLE NO.

1 0

1330-20-7-----Xylene (Total)

TRIPBLANK Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1369 Matrix: (soil/water) WATER Lab Sample ID: A1369-16A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V3A6518 Level: (low/med) LOW Date Received: 09/19/02 \* Moisture: not dec. Date Analyzed: 09/26/02 GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: \_\_\_\_\_(uL) CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L CAS NO. COMPOUND Q 71-43-2----Benzene 1 0 108-88-3-----Toluene 1 U 100-41-4----Ethylbenzene 1 0

FORM I VOA



## EPA SAMPLE NO.

•

1.1

|          |          | LA       |      |       |
|----------|----------|----------|------|-------|
| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |

| Lab Name: MITKEM CORPORATION                                     | Contract:      | RPMW-17DMS             |
|--|----------------|------------------------|
| Lab Code: MITKEM Case No.  | : SAS No.:     | SDG No.: A1379         |
| Matrix: (soil/water) WATER                                       | Lab S          | Sample ID: A1379-12AMS |
| Sample wt/vol: 5.000 (   | g/mL) ML Lab I | File ID: V3A6600       |
| Level: (low/med) LOW   | Date           | Received: 09/20/02     |
| <pre>% Moisture: not dec</pre>                                   | Date           | Analyzed: 09/29/02     |
| GC Column: RTX-502.2 ID: 0.5                                     | 3 (mm) Dilut   | tion Factor: 1.0       |
| Soil Extract Volume:   | (uL) Soil      | Aliquot Volume:(uL)    |
| CAS NO. COMPO  | CONCENTRATI    |                        |
| 71-43-2Benze<br>108-88-3Tolue<br>100-41-4Ethyl<br>1330-20-7Xylen | ne<br>benzene  |                        |

1

• •

### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-17DMS Lab Name: MITKEM CORPORATION Contract: SDG No.: A1379 Lab Code: MITKEM SAS No.: Case No.: Lab Sample ID: A1379-12CMS Matrix: (soil/water) WATER Lab File ID: Sample wt/vol: 1000 (q/mL) ML S1D1097 Date Received: 09/20/02 Level: (low/med) LOW % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:09/23/02 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/26/02 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND

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

CONCENTRATION UNITS:

Q

| 53-70-3Dibenzo(a,h)anthracene 48<br>191-24-2Benzo(g,h,i)perylene 46 |
|---|
|---|

FORM I SV-1

### U.S. EPA - CLP

|                 |            | SPIKI      | 5A<br>E SAMPLE RI |          | EPA SAMPL                              |           |         |  |
|-----------------|------------|------------|-------------------|----------|--|-----------|---------|--|
| Lab Name:       | MITKEM CO  | PRPORATION | Contra            | ct:      |  | RPMW-17DS | 5       |  |
| Lau Name.       | WITKEWI_CC |            |                   |          | · ···································· |           |         |  |
| Lab Code:       | MITKEM     | Case No.:  |                   | SAS No.: |  | SDG No.:  | A1379 _ |  |
| Matrix (soil/wa | ater):     | WATER      |                   |          | Level (lo                              | ow/med):  | MED     |  |
| % Solids for S  | ample:     | 0.0        |                   |          |  |           |         |  |

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

Control Spiked Sample Sample Spike Limit Added (SA) Q M Result (SR) С %R С %R Result (SSR) Analyte NR Aluminum\_ NR Antimony\_ NR Arsenic\_ NR \_Barium\_ NR Beryllium\_ NR Cadmium\_ NR Calcium\_\_\_ NR Chromium\_ NR Cobalt\_\_\_\_ NR Copper\_\_\_ NR Iron\_ NR Lead\_\_\_\_ NR Magnesium\_ NR Manganese\_ NR Mercury\_\_\_\_ NR Nickel\_ NR Potassium\_\_\_\_ NR Selenium\_\_\_\_ NR Silver\_\_\_\_ NR Sodium\_\_\_\_ NR Thallium\_ NR Vanadium\_ NR Zinc\_\_\_ 5.2020\_ **B**. 100.00\_ 83.8 CA 88.9955\_ Cyanide\_\_\_\_ \_75-125\_

### Comments:

Form V (Part 1) - IN

UG/L

#### 1A

EPA SAMPLE NO.

| VOLATILE ORGANICS A | ANALYSIS I | DATA | SHEET |
|---------------------|------------|------|-------|
|---------------------|------------|------|-------|

RPMW-17DMSD Lab Name: MITKEM CORPORATION Contract: SAS No.: Lab Code: MITKEM SDG No.: A1379 Case No.: Matrix: (soil/water) WATER Lab Sample ID: A1379-12AMSD Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V3A6601 Level: (low/med) LOW Date Received: 09/20/02 % Moisture: not dec. Date Analyzed: 09/29/02 GC Column: RTX-502.2 ID: 0.53 (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 0 71-43-2----Benzene 11 108-88-3-----Toluene 10 100-41-4----Ethylbenzene 10 1330-20-7-----Xylene (Total) 30

COMPOUND

CAS NO.

- · - ·

RPMW-17DMSD Lab Name: MITKEM CORPORATION Contract: SAS No.: SDG No.: A1379 Lab Code: MITKEM Case No.: Lab Sample ID: A1379-12CMSD Matrix: (soil/water) WATER 1000 (g/mL) ML Sample wt/vol: Lab File ID: S1D1113 Level: (low/med) LOW Date Received: 09/20/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:09/23/02 1000 (uL) Concentrated Extract Volume: Date Analyzed: 09/26/02 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

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

0

|                                    | <u> </u> |
|------------------------------------|----------|
| 91-20-3Naphthalene                 | 40       |
| 91-57-62-Methylnaphthalene         | 45       |
| 208-96-8Acenaphthylene             | 43       |
| 83-32-9Acenaphthene                | 44       |
| 132-64-9Dibenzofuran               | 46       |
| 86-73-7Fluorene                    | 44       |
| 85-01-8Phenanthrene                | 44       |
| 120-12-7Anthracene                 | 44       |
| 206-44-0Fluoranthene               | 47       |
| 129-00-0Pyrene                     | 40       |
| 56-55-3Benzo(a)anthracene          | 47       |
| 218-01-9Chrysene                   | 43       |
| 205-99-2Benzo(b) fluoranthene      | 44       |
| 207-08-9Benzo(k) fluoranthene      | 41       |
| 50-32-8Benzo (a) pyrene            | 44       |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 46       |
| 53-70-3Dibenzo(a,h)anthracene      | 47       |
| 191-24-2Benzo(g,h,i)perylene       | 45       |
|                                    |          |

| U.S. EPA - C | LP |
|--------------|----|
|--------------|----|

|                |           |            | 6<br>DUPLICATES |           |             | EPA SAMPLE NO. |          |       |
|----------------|-----------|------------|-----------------|-----------|-------------|----------------|----------|-------|
| Lab Name:      | MITKEM CO | PRPORATION |                 | Contract: |             |                | RPMW-17  | DD    |
| Lab Code:      | MITKEM    | Case No.:  |                 |           | SAS No.:    |                | SDG No.: | A1379 |
| Matrix (soil/w | vater):   | WATER      |                 |           |             | Level (low     | /med):   | MED   |
| % Solids for S | Sample:   | 0.0        |                 |           | % Solids fo | or Duplicate:  |          | 0.0   |

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

UG/L\_\_\_

| Analyte   | Control<br>Limit | Sample (S) | c | Duplicate (D)                          | c       | RPD | Q   | м    |
|-----------|------------------|------------|---|--|---------|-----|---|------|
| Aluminum  |                  |            |   |  |         |     |   | NR   |
| Antimony  |                  |            |   |  | ····    |     | ₋├───   | NR   |
| Arsenic   |                  |            |   |  |         |     |   | NR   |
| Barium    |                  |            |   |  |         |     | <u> </u>                                      | LNR. |
| Beryllium |                  |            |   |  |         |     |   | LNR. |
| Cadmium   |                  |            |   |  |         |     |   | NR.  |
| Calcium   |                  |            |   |  |         |     |   | NR   |
| Chromium  |                  |            |   |  | !!!     |     | $\square$                                     | NR   |
| Cobalt    |                  |            |   |  |         |     |   | NR   |
| Copper    |                  |            |   |  |         |     | <u>     </u>                                  | _NR  |
| Iron      |                  |            |   | <u></u>                                | <u></u> |     | <u>                                      </u> | LNR. |
| Lead      |                  |            |   |  |         |     |   | _NR. |
| Magnesium |                  |            |   |  |         |     | _ <b> </b>                                    | NR   |
| Manganese |                  |            |   |  |         |     | <u> </u>                                      | NR   |
| Mercury   |                  |            |   |  |         |     |   | _NR. |
| Nickel    |                  |            |   | ······································ |         |     |   | NR   |
| Potassium |                  |            |   | ·····                                  | .  . _  |     | Ll  | NR   |
| Selenium  |                  |            |   |  |         |     | <u> </u>                                      | NR   |
| Silver    |                  |            |   |  |         |     | <u> </u>                                      | NR   |
| Sodium    |                  |            |   |  |         |     | <b>.</b>                                      | NR   |
| Thallium  |                  |            |   |  |         |     |   | _NR  |
| Vanadium  |                  |            |   |  |         |     |   | _NR  |
| Zinc      |                  |            |   |  |         |     | -   | NR   |
| Cyanide   |                  | 5.2020     | B | 5.3910                                 | B       | 3.6 | <b>     </b>                                  | CA   |

#### U.S. EPA - CLP

|                 |            | SPIK      | 5A<br>E SAMPLE REC | OVERY    |           | EPA SAMPLE N |       |  |
|-----------------|------------|-----------|--------------------|----------|-----------|--------------|-------|--|
| Lab Name:       | MITKEM_COF | PORATION  |                    |          | -/ -      | RPMW-06IS    | 5     |  |
| Lab Code:       | MITKEM     | Case No.: |                    | SAS No.: | <u></u>   | SDG No.:     | A1379 |  |
| Matrix (soil/wa | ater):     | WATER     |                    |          | Level (le | ow/med):     | MED.  |  |
| % Solids for Sa | ample:     | 0.0       |                    |          |           |              |       |  |

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

Control

Spike Sample Spiked Sample Limit QM Added (SA) %R С Result (SR) С Result (SSR) Analyte %R Aluminum Antimony\_ Barium\_\_\_ .Beryllium\_ Cadmium\_ .Chromium\_ Copper\_\_\_ 76.0 U 4550.00\_ 35.0000 75-125\_ 3455.9225 Iron Magnesium\_ 78.3 \_20.4020\_ B 2270.00 1798.7335\_ 75-125\_ Manganese\_\_\_ Mercury\_\_\_\_ Potassium\_ Selenium\_\_\_ Sodium\_\_

Comments:

Cyanide\_

Arsenic\_

\_Calcium\_

Cobalt\_

Lead\_\_\_

Nickel\_

Silver

Zinc\_

Thallium\_

Vanadium\_

Form V (Part 1) - IN

JUG/L

NR

Ρ

NR

NR

P\_

NR

|                |           |           | U.S. EPA - C    | LP         |               |          |          |
|----------------|-----------|-----------|-----------------|------------|---------------|----------|----------|
|                |           |           | 6<br>DUPLICATES |            |               | EPA SA   | MPLE NO. |
| Lab Name:      | MITKEM CO | RPORATION | Contr           | ract:      |               | RPMW-06  | SID      |
| Lab Code:      | MITKEM    | Case No.: |                 | SAS No.:   |               | SDG No.: | A1379    |
| Matrix (soil/w | vater):   | WATER     |                 |            | Level (low    | /med):   | MED      |
| % Solids for S | Sample:   | 0.0       |                 | % Solids f | or Duplicate: |          | 0.0.     |

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

UG/L\_

| Analyte    | Control<br>Limit | Sample (S) | С | Duplicate (D) | с | RPD                                    | Q   | м   |
|------------|------------------|------------|---|---------------|---|--|---|-----|
| Aluminum   |                  |            |   |               |   |  |   | NR  |
| Antimony   |                  |            |   | ·····         |   |  |   | _NR |
| Arsenic    |                  | <u>   </u> |   |               |   |  |   | _NR |
| Barium     |                  |            |   |               |   |  | <u>                                      </u> | _NR |
| Beryllium  |                  | <u> </u>   |   |               |   |  |   | _NR |
| Cadmium    |                  |            |   |               |   |  | <u> </u>                                      | _NR |
| Calcium    |                  |            |   |               |   |  |   | _NR |
| Chromium   |                  |            |   |               |   | ······································ | ·   | NR  |
| Cobalt     |                  |            |   |               |   |  |   | NR  |
| Copper     |                  |            |   |               |   |  |   | NR  |
| lron       |                  | 35.0000    | U | 35.0000       | U |  |   | _P  |
| Lead       |                  | <u>   </u> |   |               |   |  |   | _NR |
| Magnesium  |                  |            |   |               |   |  |   | _NR |
| Manganese. |                  | 20.4020    | B | 19.6580       | B | 3.7                                    |   | _P  |
| Mercury    |                  |            |   |               |   |  |   | _NR |
| Nickel     |                  | ] ]        |   |               |   |  |   | _NR |
| Potassium  |                  |            |   |               |   | <u></u>                                |   | NR  |
| Selenium   |                  | · · · · ·  |   |               |   |  |   | _NR |
| Silver     |                  |            |   |               |   |  |   | NR  |
| Sodium     |                  |            |   |               |   |  |   | NR  |
| Thallium   |                  |            |   |               |   | ···                                    |   | NR  |
| Vanadium   |                  |            |   |               |   |  |   | _NR |
| Zinc       |                  |            |   |               |   |  |   | NR  |
| Cyanide    | 1                |            | i |               |   |  |   | _NR |

#### 1A

EPA SAMPLE NO.

| VOLATILE             | ORGANICS ANALYS | IS DATA SHEET | 1-         |            |
|----------------------|-----------------|---------------|------------|------------|
| Lab Name: MITKEM COR | PORATION        | Contract:     |            | RPFB091902 |
| Lab Code: MITKEM     | Case No.:       | SAS No.:      | SDG 1      | No.: A1379 |
| Matrix: (soil/water) | WATER           | Lab           | Sample ID: | A1379-15A  |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab           | File ID:   | V3A6606    |
| Level: (low/med)     | LOW             | Date          | Received:  | 09/20/02   |

Level: (low/med) LOW

% Moisture: not dec.

GC Column: RTX-502.2 ID: 0.53 (mm)

Soil Extract Volume: (uL)

CAS NO. COMPOUND

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

Date Analyzed: 09/30/02

Soil Aliquot Volume: (uL)

Dilution Factor: 1.0

Q

| 71-43-2Benzene          | 1 | บ |
|-------------------------|---|---|
| 108-88-3Toluene         | 1 | บ |
| 100-41-4Ethylbenzene    | 1 | บ |
| 1330-20-7Xylene (Total) | 1 | บ |

FORM I VOA

|  | EPA SAMPLE NO.           |
|--|--------------------------|
| SEMIVOLATILE ORGANICS ANALYSIS DATA    | RPFB091902               |
| Lab Name: MITKEM CORPORATION Contract  |                          |
| Lab Code: MITKEM Case No.: SAS No.     | .: SDG No.: A1379        |
| Matrix: (soil/water) WATER             | Lab Sample ID: A1379-15C |
| Sample wt/vol: 1000 (g/mL) ML          | Lab File ID: S1D1090     |
| Level: (low/med) LOW                   | Date Received: 09/20/02  |
| <pre>% Moisture: decanted: (Y/N)</pre> | Date Extracted:09/23/02  |
| Concentrated Extract Volume: 1000(uL)  | Date Analyzed: 09/25/02  |
| Injection Volume: 1.0(uL)              | Dilution Factor: 1.0     |
| GPC Cleanup: (Y/N) N pH: 7.0           |                          |

CAS NO. COMPOUND

\_\_\_\_\_

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

Q

|   | 10   | I<br>I TT |
|---|------|-----------|
| 91-20-3Naphthalene                      | 10   | -         |
| 91-57-62-Methylnaphthalene              |      |           |
| 208-96-8Acenaphthylene                  | 10   | U         |
| 83-32-9Acenaphthene                     | 10   | U         |
| 132-64-9Dibenzofuran                    | 10   | U         |
|   | 10   | Π –       |
| 86-73-7Fluorene                         | 10   | -         |
| 85-01-8Phenanthrene                     |      | -         |
| 120-12-7Anthracene                      | 10   | -         |
| 206-44-0Fluoranthene                    | 10   | -         |
| 129-00-0Pyrene                          | 10   | U         |
| 56-55-3Benzo (a) anthracene             | 10   | U         |
|   | 10   | -         |
| 218-01-9Chrysene                        | 10   | -         |
| 205-99-2Benzo (b) fluoranthene          |      | -         |
| 207-08-9Benzo(k)fluoranthene            | 10   | -         |
| 50-32-8Benzo (a) pyrene                 | 10   | U         |
| 193-39-5Indeno(1,2,3-cd)pyrene          | 10   | U         |
| 133-33-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3- | 10   | U         |
| 53-70-3Dibenzo(a,h)anthracene           |      | Ŭ         |
| 191-24-2Benzo(g,h,i)perylene            | 1 10 | U I       |
|   | I    |           |

# U.S. EPA - CLP

|                |           | INOR      | 1<br>INORGANIC ANALYSIS DATA SHEET |           |                | EPA SAMPLE NO. |       |  |
|----------------|-----------|-----------|------------------------------------|-----------|----------------|----------------|-------|--|
| Lab Name:      | MITKEM_CO | RPORATION |                                    | Contract: |                | RPFB09         | 01902 |  |
| Lab Code:      | MITKEM    | Case No.: |                                    | SAS No.   | :              | SDG No.:       | A1379 |  |
| Matrix (soil/w | ater):    | WATER .   |                                    |           | Lab Sample ID: | A1379-         | 15D   |  |
| Level (low/me  | :d):      | MED       |                                    |           | Date Received: | 09/20/02       | 2     |  |
|                |           |           |                                    |           |                |                |       |  |

% 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  |               |   | <del></del> | _NR   |
| 7440-48-4 | Cobalt    |               |   |             | NR    |
| 7440-50-8 | Copper    |               |   |             | NR    |
| 7439-89-6 | Iron      |               |   |             | NR    |
| 7439-92-1 | Lead      |               |   |             |       |
| 7439-95-4 |           |               |   |             | _  NR |
| 7439-96-5 | Manganese |               |   |             | NR    |
| 7439-97-6 |           |               |   |             | NR    |
| 7440-02-0 | Nickel    |               |   |             | _ NR  |
| 7440-09-7 | Potassium |               |   |             | NR    |
| 7782-49-2 | Selenium  |               |   | <u>.</u>    | _NR   |
| 7440-22-4 | Silver    |               |   |             | NR    |
| 7440-23-5 | Sodium    |               |   |             | NR    |
| 7440-28-0 | Thallium  |               |   |             | NR    |
| 7440-62-2 | Vanadium  |               |   | <u> </u>    | NR    |
| 7440-66-6 | Zinc      |               |   |             | _NR   |
|           |           | 5.8           | B |             | CA    |

| Color Before: |  | Clarity Before: | ······································ | Texture:   |         |
|---------------|--|-----------------|--|------------|---------|
| Color After:  |  | Clarity After:  |  | Artifacts: |         |
| Comments:     |  |                 |  |            |         |
|               | ······································ |                 | -                                      |            |         |
| · _ 10 + +    |  | *****           |  |            |         |
|               |  |                 |  |            | <u></u> |

FORM I - IN

SW846

| VOLATILE C                     | EPA SAMPLE NO.  |  |                      |
|--------------------------------|-----------------|--|----------------------|
| Lab Name: MITKEM CORPO         | DRATION (       | Contract:                                    | RPMW-15IMS           |
| Lab Code: MITKEM Ca            | ase No.:        | SAS No.: SDG                                 | No.: A1383           |
| Matrix: (soil/water) W         | ATER            | Lab Sample ID                                | : A1383-07AMS        |
| Sample wt/vol: 5               | 5.000 (g/mL) ML | Lab File ID:                                 | V3A6645              |
| Level: (low/med) I             | WO              | Date Received                                | : 09/21/02           |
| <pre>% Moisture: not dec</pre> |                 | Date Analyzed                                | 10/01/02             |
| GC Column: RTX-502.2 I         | ID: 0.53 (mm)   | Dilution Facto                               | pr: 1.0              |
| Soil Extract Volume:           | (uL)            | Soil Aliquot V                               | Volume:(uL)          |
| CAS NO.                        | COMPOUND        | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/I |                      |
|                                |                 |  | 11<br>31<br>11<br>40 |

EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-15IMS Contract: Lab Name: MITKEM CORPORATION SDG No.: A1383 Case No.: SAS No.: Lab Code: MITKEM Lab Sample ID: A1383-07EMS Matrix: (soil/water) WATER Lab File ID: S2C9505 1000 (g/mL) ML Sample wt/vol: Date Received: 09/21/02 Level: (low/med) LOW Date Extracted:09/23/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 09/27/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N рн: \_\_\_\_

CAS NO.

— · ·

COMPOUND

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

Q

**~** 1

| 91-20-3Naphthalene             | 36                                |  |
|--------------------------------|-----------------------------------|--|
| 91-57-62-Methylnaphthalene     | 37                                |  |
| 208-96-8Acenaphthylene         | 41                                |  |
| 83-32-9Acenaphthene            | 41                                |  |
| 132-64-9Dibenzofuran           | 42                                |  |
| 86-73-7Fluorene                | 41                                |  |
| 85-01-8Phenanthrene            | 42                                |  |
|                                | 41                                |  |
| 120-12-7Anthracene             | 39                                |  |
| 206-44-0Fluoranthene           | 46                                |  |
| 129-00-0Pyrene                 | 43                                |  |
| 56-55-3Benzo(a)anthracene      | 43                                |  |
| 218-01-9Chrysene               |                                   |  |
| 205-99-2Benzo (b) fluoranthene | 43                                |  |
| 207-08-9Benzo(k)fluoranthene   | 42                                |  |
| 50-32-8Benzo(a)pyrene          | 41                                |  |
| 193-39-5Indeno(1,2,3-cd)pyrene | 34                                |  |
| 53-70-3Dibenzo(a,h)anthracene  | 33                                |  |
| 191-24-2Benzo(q,h,i)perylene   | 34                                |  |
|                                |                                   |  |
|                                | · · · · · · · · · · · · · · · · · |  |

FORM I SV-1

- \_\_\_\_

EPA SAMPLE NO.

#### 5A SPIKE SAMPLE RECOVERY

RPMW-15IS

UG/L

| Lab Name:        | MITKEM_CORP | ORATION   | _ Contract: |          |              |          |       |
|------------------|-------------|-----------|-------------|----------|--------------|----------|-------|
| Lab Code:        | MITKEM      | Case No.: |             | SAS No.: | ~ · ·        | SDG No.: | A1383 |
| Matrix (soil/wat | ter):       | WATER     |             |          | Level (low/1 | ned):    | MED   |
| % Solids for Sa  | mole:       | 0.0       |             |          |              |          |       |

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

#### Control Spike Spiked Sample Sample Limit С Added (SA) %R Q M С Result (SR) Result (SSR) %R Analyte NR Aluminum\_ NR Antimony\_\_\_\_ NR Arsenic\_\_\_\_ NR Barium NR Beryllium NR Cadmium NR Calcium\_\_\_ NR Chromium \_\_\_\_ NR Cobalt\_\_\_\_ NR Copper\_\_\_\_ P... 4550.00\_\_\_ 90.1 1102.8325\_\_\_ 75-125 5203.1130 Iron\_\_\_\_ NR Lead NR Magnesium \_\_ \_\_\_2270.00\_\_\_ .89.5 P\_ 136.0330\_ 2166.8830\_ 75-125\_ Manganese\_\_\_\_ NR Mercury\_\_\_\_ NR Nickel\_\_\_\_ NR Potassium NR Selenium NR Silver\_\_\_\_ NR Sodium NR Thallium NR Vanadium\_ NR Zinc\_ .CA 7.2690\_ B 100.00\_ 99.9. \_107.1590\_\_\_ 75-125 Cyanide\_\_\_\_

#### Comments:

Form V (Part 1) - IN

SW846

#### U.S. EPA - CLP

EPA SAMPLE NO.

. . .

### 5A SPIKE SAMPLE RECOVERY

|                |           |                    |         |          | RPMW-15IS |          |       |  |
|----------------|-----------|--------------------|---------|----------|-----------|----------|-------|--|
| Lab Name:      | MITKEM_CO | MITKEM_CORPORATION |         |          |           |          |       |  |
| Lab Code:      | MITKEM    | Case No.:          | • • • • | SAS No.: |           | SDG No.: | A1383 |  |
| Matrix (soil/w | vater):   | WATER              |         |          | Level (lo | w/med):  | MED   |  |
| % Solids for S | Sample:   | 0.0                |         |          |           |          |       |  |

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

Control Sample Spike Limit Spiked Sample QM Added (SA) %R Result (SR) C Result (SSR) С %R Analyte NR Aluminum NR Antimony\_ NR Arsenic\_ NR \_Barium\_\_\_ NR Beryllium \_\_\_\_ NR .Cadmium\_ NR Calcium\_ NR Chromium\_ NR Cobalt\_\_\_\_ NR Copper\_\_\_\_ P\_AL 78.2 U 35.0000\_ \_\_\_\_ 4550.00 .75-125\_\_\_ 3558.1045\_ Iron\_ NR solido Lead\_\_ NR Magnesium\_\_ \_2270.00\_ 80.4 P.\_\_\_ 138.8795\_ 1964.7685\_\_ Manganese\_\_\_\_ 75-125\_ NR Mercury\_\_\_ NR Nickel\_ NR Potassium NR. Selenium\_\_\_ NR. Silver\_\_\_ NR Sodium\_\_\_\_ NR Thallium\_\_\_\_ NR Vanadium\_ NR Zinc\_ NR Cyanide\_

#### Comments:

Form V (Part 1) - IN

SW846

0230

UG/L

#### U.S. EPA - CLP

EPA SAMPLE NO.

••

#### 5B POST DIGEST SPIKE SAMPLE RECOVERY

|                 |           |            |   |           |     |          | RPMW-15IA |       |
|-----------------|-----------|------------|---|-----------|-----|----------|-----------|-------|
| Lab Name:       | MITKEM_CO | RPORATION, | - | Contract: | · - |          | • • • • • |       |
| Lab Code:       | MITKEM    | Case No.:  |   | SAS No.:  |     | -        | SDG No.:  | A1383 |
| Matrix (soil/wa | ter):     | WATER      |   |           | L   | evel (lo | ow/med):  | MED   |

### Concentration Units: ug/L

| Analyte   | Control<br>Limit<br>%R | Spiked Sample<br>Result (SSR)         | с   | Sample<br>Result (SR) | С | Spike<br>Added (SA) | %R         | Q     | М  |
|-----------|------------------------|---------------------------------------|-----|-----------------------|---|---------------------|------------|-------|----|
| Aluminum  |                        |                                       |     |                       |   |                     |            |       | NI |
| Antimony  |                        |                                       |     |                       |   |                     |            |       | NI |
| Arsenic   |                        |                                       | 1 1 |                       |   |                     |            |       | NI |
| Barium    |                        |                                       |     |                       |   |                     |            |       | N  |
| Beryllium |                        |                                       |     |                       |   |                     |            | ····· | N  |
|           |                        |                                       |     |                       |   |                     |            |       | N  |
|           |                        |                                       |     |                       |   |                     |            |       | N  |
| Chromium  |                        |                                       |     |                       |   |                     | · <u> </u> |       | N  |
| Cobalt    |                        | · · · · · · · · · · · · · · · · · · · |     |                       |   |                     |            |       | NI |
| Copper    |                        |                                       |     |                       |   |                     |            |       | N  |
| Iron      |                        |                                       |     | 35.00                 | U | 4550.0              | 81.9       |       | P  |
| Lead      |                        |                                       |     |                       |   |                     |            |       | NI |
| Magnesium | i                      |                                       |     |                       |   |                     |            |       | N  |
|           |                        |                                       |     |                       |   | ······              | ·          |       | N  |
| Mercury   |                        |                                       |     |                       |   |                     |            |       | NŦ |
|           |                        |                                       |     |                       |   |                     |            |       | NF |
| Potassium |                        |                                       |     |                       |   |                     |            |       | NF |
| Selenium  |                        |                                       |     |                       |   |                     |            |       | N  |
| Silver    |                        |                                       |     |                       |   |                     |            |       | NF |
| Sodium    |                        |                                       |     |                       |   |                     |            |       | NF |
| Thailium  |                        |                                       |     |                       |   |                     |            |       | NF |
| Vanadium  |                        |                                       |     | ·                     |   |                     |            |       | NF |
| Zinc      |                        |                                       |     |                       |   |                     |            |       | NF |
| Cyanide   |                        |                                       |     |                       |   |                     |            |       | NF |

#### Comments:

- -

Form V (Part 2) - IN

SW846

| 1A<br>VOLATILE ORGANICS ANALYS   | EPA SAMPLE NO.<br>IS DATA SHEET                |
|--|--|
| Lab Name: MITKEM CORPORATION   | RPMW-15IMSD                                    |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1383                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1383-07AMSD                    |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6646                           |
| Level: (low/med) LOW   | Date Received: 09/21/02                        |
| % Moisture: not dec.   | Date Analyzed: 10/01/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) |  |

#### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-15IMSD Lab Name: MITKEM CORPORATION Contract: SDG No.: A1383 SAS NO.: Lab Code: MITKEM Case No.: Lab Sample ID: A1383-07EMSD Matrix: (soil/water) WATER Lab File ID: S2C9506 1000 (g/mL) ML Sample wt/vol: Date Received: 09/21/02 Level: (low/med) LOW Date Extracted:09/23/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/27/02 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene               | 33 | I |
|----------------------------------|----|---|
| 91-57-62-Methylnaphthalene       | 36 |   |
| 208-96-8Acenaphthylene           | 40 |   |
| 83-32-9Acenaphthene              | 40 |   |
| 132-64-9Dibenzofuran             | 41 |   |
| 86-73-7Fluorene                  | 41 |   |
| 85-01-8Phenanthrene              | 42 |   |
| 120-12-7Anthracene               | 42 |   |
| 206-44-0Fluoranthene             | 40 |   |
| 129-00-0Pyrene                   | 48 |   |
| 56-55-3Benzo (a) anthracene      | 44 |   |
| 218-01-9Chrysene                 | 45 |   |
| 205-99-2Benzo(b) fluoranthene    | 44 |   |
| 207-08-9Benzo(k) fluoranthene    | 42 |   |
| 50-32-8Benzo (a) pyrene          | 41 |   |
| 193-39-5Indeno(1,2,3-cd)pyrene   | 34 |   |
| 53-70-3Dibenzo (a, h) anthracene | 33 |   |
| 191-24-2Benzo(g,h,i)perylene     | 34 |   |
|                                  |    |   |
|                                  |    |   |

# U.S. EPA - CLP

|                |           |              | DL | 6<br>IPLICATES |             |               | EPA SA   | MPLE 1 | ۰.<br>  |
|----------------|-----------|--------------|----|----------------|-------------|---------------|----------|--------|---------|
|                |           |              |    |                |             |               | RPMW-15  | ID     |         |
| Lab Name:      | MITKEM_CO | DRPORATION . |    | Contract:      |             |               |          |        |         |
| Lab Code:      | MITKEM    | Case No.:    |    | SA             | S No.:      | · ·           | SDG No.: | A13    | 83      |
| Matrix (soil/v | vater):   | WATER_       |    |                |             | Level (low    | /med):   | MEI    | D       |
| % Solids for S | Sample:   | 0.0          |    | %              | 6 Solids fo | or Duplicate: |          | 0.0    | <b></b> |

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

UG/L\_.

| Analyte   | Control<br>Limit | Sample (S) | c  | Duplicate (D) | c | RPD       | Q        | м           |
|-----------|------------------|------------|----|---------------|---|-----------|----------|-------------|
| Aluminum  |                  |            |    |               |   |           |          | NR          |
| Antimony  |                  |            |    |               |   |           | . -      | LNR         |
| Arsenic   |                  |            |    |               |   |           |          | NR          |
| Barium    |                  |            |    |               |   |           | ┦┥╍╍     | NR          |
| Beryllium |                  |            |    |               |   |           |          | NR          |
| Cadmium   |                  |            |    |               |   |           |          | NR          |
| Calcium   |                  |            |    |               |   |           |          | NR          |
| Chromium  |                  |            |    |               |   |           |          | _NR         |
| Cobalt    |                  |            |    |               |   |           |          | NR          |
| Copper    |                  |            |    |               |   |           | -        | NR          |
| Iron      |                  | 1102.8325  |    | 1185.5060     |   | 7.2       |          | _P          |
| Lead      |                  |            |    |               |   |           | <u> </u> | _NR         |
| Magnesium |                  |            |    | ··            |   | • <u></u> |          | NR          |
| Manganese | 50.0             | 136.0330   |    | 148.0740      |   | 8.5       | <u> </u> | _P          |
| Mercury   |                  |            |    |               |   | ·····     |          | NR          |
| Nickel    |                  |            |    |               |   |           | -        | <u>_</u> NR |
| Potassium |                  |            |    |               |   |           | <u> </u> | _NR         |
| Selenium  |                  |            |    |               |   |           |          | NR          |
| Silver    |                  |            |    | ·             |   |           |          | NR          |
| Sodium    |                  |            |    |               |   |           | ļ        | NR          |
| Thallium  |                  |            |    |               |   |           |          | NR          |
| Vanadium  |                  |            |    |               |   |           |          | _NR         |
| Zinc      |                  |            |    |               |   | ····      | -        | NR          |
| Cyanide   |                  | 7.2690     | B_ | 6.6590        | B |           |          | .CA         |

| FΡΔ | SAMPLE   | NO   |
|-----|----------|------|
|     | SHIMI LE | 140. |

|                |           |           | 6<br>DUPLIC |             |               | EPA SA   | MPLE NO. |
|----------------|-----------|-----------|-------------|-------------|---------------|----------|----------|
|                |           |           |             |             |               | RPMW-15  | ID       |
| Lab Name:      | MITKEM_CC | RPORATION | Con         | tract:      | • • • -       |          | -        |
| Lab Code:      | MITKEM    | Case No.: |             | SAS No.:    |               | SDG No.: | A1383    |
| Matrix (soil/w | ater):    | WATER     |             |             | Level (low/   | /med):   | MED      |
| % Solids for S | Sample:   | 0.0.      |             | % Solids fo | or Duplicate: |          | 0.0      |

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

# UG/L\_

| Analyte   | Control<br>Limit                      | Sample (S)                                   | c | Duplicate (D)                         | C         | RPD | Q         | м   |
|-----------|---------------------------------------|--|---|---------------------------------------|-----------|-----|-----------|-----|
| Aluminum  |                                       | · · · · · · · · · · · · · · · · · · ·        |   |                                       |           |     |           | NR  |
| Antimony  |                                       | <u> </u>                                     |   |                                       |           |     |           | NR  |
|           | <u> </u>                              |  |   |                                       |           |     |           | NR  |
| Barium    |                                       |  |   |                                       |           |     |           | NR  |
|           |                                       |  |   |                                       |           |     |           | _NR |
| Cadmium   |                                       |  |   |                                       |           |     | <u> </u>  | NR  |
| Calcium   |                                       |  |   |                                       | •         |     |           | NR  |
| Chromium  |                                       | ]  |   |                                       | //        |     |           | NR  |
|           |                                       |  |   |                                       |           |     | -         | _NR |
| Copper    |                                       |  |   |                                       | <b></b>   |     | -{        | NR  |
|           | · · · · · · · · · · · · · · · · · · · | 35.0000                                      | U | 35.0000                               | U         |     | ╶┟╌╽╌╼╍── | P   |
| Lead      |                                       |  |   |                                       |           |     |           | NR  |
| Magnesium | <br>                                  | <u>                                     </u> |   |                                       |           |     |           | NR  |
| Manganese | 50.0                                  | 138.8795                                     |   | 136.3175                              | ┉╾┼┅╾┼╌╸╴ | 1.9 |           | P   |
|           |                                       |  |   |                                       |           |     |           | NR  |
| Nickel    |                                       |  |   |                                       |           |     |           | NR  |
| Potassium |                                       |  |   |                                       |           |     | ┥┽╼╼╵     | NR  |
| Selenium  |                                       |  |   | · · · · · · · · · · · · · · · · · · · |           |     |           | NR  |
| Silver    |                                       |  |   |                                       |           |     | .         | _NR |
| Sodium    |                                       |  |   |                                       |           |     | ┽┤╍╍╌┘    | NR  |
| Thallium  |                                       |  |   |                                       |           |     |           | NR  |
|           |                                       |  |   |                                       |           |     | -         | NR  |
| Zinc      | · · · · · · · · · · · · · · · · · · · |  |   |                                       |           |     | ┨╂╼╶┤     | NR  |
|           |                                       |  |   |                                       |           |     | ·         | NR  |

EPA SAMPLE NO.

17

| Lab Name: MITKEM CORPORATION Contract:                 |            |
|--|------------|
| Lab Code: MITKEM Case No.: SAS No.: SDG N              | No.: A1383 |
| Matrix: (soil/water) WATER Lab Sample ID:              | A1383-10B  |
| Sample wt/vol: 1000 (g/mL) ML Lab File ID:             | S2C9657    |
| Level: (low/med) LOW Date Received:                    | 09/21/02   |
| <pre>% Moisture: decanted: (Y/N) Date Extracted:</pre> | :09/23/02  |
| Concentrated Extract Volume: 1000(uL) Date Analyzed:   | 10/03/02   |
| Injection Volume: 1.0(uL) Dilution Factor              | : 1.0      |
| GPC Cleanup: (Y/N) N pH:                               |            |

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene                 | 10 |            |
|------------------------------------|----|------------|
| 91-57-62-Methylnaphthalene         | 10 | ט ו        |
| 208-96-8Acenaphthylene             | 10 | U          |
| 83-32-9Acenaphthene                | 10 | ש (        |
| 132-64-9Dibenzofuran               | 10 | ט          |
| 86-73-7Fluorene                    | 10 | υ          |
| 85-01-8Phenanthrene                | 10 | υ          |
| 120-12-7Anthracene                 | 10 | υ          |
| 206-44-0Fluoranthene               | 10 | υ          |
| 129-00-0Pyrene                     | 10 | ប          |
| 56-55-3Benzo (a) anthracene        | 10 | ש (        |
| 218-01-9Chrysene                   | 10 | ט          |
| 205-99-2Benzo(b) fluoranthene      | 10 | ט ו        |
| 207-08-9Benzo(k)fluoranthene       | 10 | υ          |
| 50-32-8Benzo (a) pyrene            | 10 | U          |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 10 | υ          |
| 53-70-3Dibenzo(a,h)anthracene      | 10 | υ          |
| 191-24-2Benzo(g,h,i)perylene       | 10 | <b>υ</b> ( |
|                                    |    |            |

FORM I SV-1

## U.S. EPA - CLP

#### 1 INORGANIC ANALYSIS DATA SHEET

**RPFB092002** MITKEM\_CORPORATION\_ Contract: Lab Name: SAS No.: SDG No.: A1383\_\_\_ Lab Code: MITKEM Case No.: Lab Sample ID: A1383-10A\_\_\_\_\_ WATER\_ Matrix (soil/water): Date Received: 09/21/02 Level (low/med): MED\_\_\_\_

% Solids:

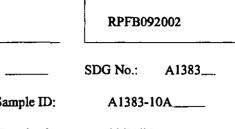
Concentration Units (ug/L or mg/kg dry weight):

С М Concentration Q CAS No. Analyte NR 7429-90-5 Aluminum NR 7440-36-0\_ Antimony\_ NR Arsenic\_\_\_ 7440-38-2\_ NR Barium 7440-39-3 NR Beryllium \_7440-41-7\_ NR Cadmium\_ 7440-43-9 NR \_7440-70-2\_ Calcium\_ NR Chromium 7440-47-3 NR 7440-48-4 Cobalt\_ NR 7440-50-8 Copper\_\_\_ NR Iron\_ 7439-89-6\_ NR Lead 7439-92-1 NR 7439-95-4\_ Magnesium NR 7439-96-5\_ Manganese\_ NR 7439-97-6\_ Mercury\_ NR Nickel 7440-02-0 NR 7440-09-7\_ Potassium\_ NR Selenium\_ 7782-49-2\_ NR Silver\_ \_7440-22**-4**\_ NR 7440-23-5\_ Sodium NR \_7440-28-0\_ Thallium\_ NR 7440-62-2\_ Vanadium NR Zinc 7440-66-6 U CA 5.0\_ Cyanide\_

| Color Before: | <u></u> | Clarity Before: | ······································ | Texture:   | <del></del> |
|---------------|---------|-----------------|--|------------|-------------|
| Color After:  |         | Clarity After.  |  | Artifacts: | . <u></u> _ |
| Comments:     |         |                 |  |            |             |
|               |         |                 |  |            |             |
|               |         |                 |  |            |             |
|               |         |                 |  |            |             |

SW846

0043



EPA SAMPLE NO.

UG/L

EPA SAMPLE NO.

1 -

| Lab Name: MITKEM CORPORAT                            | 'ION Contrac        |                                   | TRIPBLANK                       |      |
|--|---------------------|-----------------------------------|---------------------------------|------|
| Hand Mande: MITTHEN CONFORMI                         |                     | - •                               | I                               |      |
| Lab Code: MITKEM Case                                | No.: SAS No         | .: SDG                            | No.: A1383                      |      |
| Matrix: (soil/water) WATE                            | IR                  | Lab Sample ID:                    | : A1383-11A                     |      |
| Sample wt/vol: 5.00                                  | 00 (g/mL) ML        | Lab File ID:                      | V3A6630                         |      |
| Level: (low/med) LOW                                 |                     | Date Received:                    | : 09/21/02                      |      |
| % Moisture: not dec                                  |                     | Date Analyzed:                    | : 09/30/02                      |      |
| GC Column: RTX-502.2 ID:                             | 0.53 (mm)           | Dilution Facto                    | or: 1.0                         |      |
| Soil Extract Volume:                                 | (uL)                | Soil Aliquot V                    | Volume:                         | (uL) |
| CAS NO. CO   |                     | NTRATION UNITS:<br>or ug/Kg) UG/I |                                 |      |
| 71-43-2Be<br>108-88-3To<br>100-41-4Et<br>1330-20-7Xy | luene<br>hylbenzene |                                   | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |      |

.

\_

••

EPA SAMPLE NO.

|                                 |                 |  | I I                             |
|---------------------------------|-----------------|--|---------------------------------|
| Lab Name: MITKEM COR            | PORATION        | Contract:                                  | RPTB092302                      |
| Lab Code: MITKEM                | Case No.:       | SAS No.: SDG                               | No.: A1390                      |
| Matrix: (soil/water)            | WATER           | Lab Sample ID                              | : A1390-10A                     |
| Sample wt/vol:                  | 5.000 (g/mL) ML | Lab File ID:                               | V3A6658                         |
| Level: (low/med)                | LOW             | Date Received                              | : 09/24/02                      |
| <pre>% Moisture: not dec.</pre> |                 | Date Analyzed                              | : 10/02/02                      |
| GC Column: RTX-502.2            | ID: 0.53 (mm)   | Dilution Fact                              | or: 1.0                         |
| Soil Extract Volume:            | (uL)            | Soil Aliquot                               | Volume:(uL)                     |
| CAS NO.                         | COMPOUND        | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/ | -                               |
|                                 |                 |  | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |

.

\_ ...

|                          |               |                                    |         | RPMW-10SMS  |     |
|--------------------------|---------------|------------------------------------|---------|-------------|-----|
| Lab Name: MITKEM CORPORA | ATION C       | Contract:                          |         | ,           |     |
| Lab Code: MITKEM Case    | e No.:        | SAS No.:                           | SDG N   | o.: A1398   |     |
| Matrix: (soil/water) WAT | FER           | Lab Samp                           | le ID:  | A1398-03AMS |     |
| Sample wt/vol: 5.0       | 000 (g/mL) ML | Lab File                           | ID:     | V3A6743     |     |
| Level: (low/med) LOW     | W             | Date Rece                          | eived:  | 09/25/02    |     |
| % Moisture: not dec      |               | Date Ana                           | lyzed:  | 10/04/02    |     |
| GC Column: RTX-502.2 ID: | : 0.53 (mm)   | Dilution                           | Factor  | : 1000.0    |     |
| Soil Extract Volume:     | (uL)          | Soil Alio                          | quot Vo | lume:(1     | uL) |
| CAS NO.                  | COMPOUND      | CONCENTRATION (<br>(ug/L or ug/Kg) |         | Q           |     |
| 71-43-2                  |               |                                    |         | 8000        |     |

| 108-88-3Toluene         |       |
|-------------------------|-------|
| 108-88-3101uene         | 48000 |
| 100-41-4Ethylbenzene    | 15000 |
| 1330-20-7Xylene (Total) | 38000 |
|                         |       |

. í

EPA SAMPLE NO.

#### 1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-10SMS

Lab Name: MITKEM CORPORATION Contract: SAS No.: SDG No.: A1398 Lab Code: MITKEM Case No.: Matrix: (soil/water) WATER Lab Sample ID: A1398-03HMS Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1D1195 Level: (low/med) LOW Date Received: 09/25/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:09/25/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/01/02 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N рН:\_\_\_\_

CAS NO. COMPOUND

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

Q

| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Fluorene         85-01-8Phenanthrene         120-12-7Anthracene         206-44-0Pluoranthene         129-00-0Pyrene         56-55-3Benzo (a) anthracene         218-01-9Benzo (b) fluoranthene         205-99-2 | 740<br>86<br>41<br>48<br>44<br>47<br>54<br>40<br>42<br>36<br>37<br>33<br>35<br>35<br>35<br>34<br>28<br>31 | B |
|--|---|---|
|  |   |   |

FORM I SV-1

|       |        | 5A   | •    |
|-------|--------|------|------|
| SPIKE | SAMPLE | RECC | VERY |

EPA SAMPLE NO.

UG/L

|                 |             |           | Garaterati |          |            | RPMW-10SS |       |
|-----------------|-------------|-----------|------------|----------|------------|-----------|-------|
| Lab Name:       | MITKEM_CORF | PORATION  | Contract:  |          |            |           |       |
| Lab Code:       | MITKEM      | Case No.: |            | SAS No.: |            | SDG No.:  | A1398 |
| Matrix (soil/wa | ter):       | WATER     |            |          | Level (low | //med):   | MED   |
| % Solids for Sa | mple:       | 0.0       |            |          |            |           |       |

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

Control Spike Sample Spiked Sample Limit QM Result (SR) С Added (SA) %R С Result (SSR) Analyte %R NR Aluminum\_ NR Antimony\_\_\_\_ NR Arsenic\_\_\_ NR Barium\_\_\_ NR Beryllium\_ NR Cadmium\_ NR Calcium NR Chromium\_ NR Cobalt\_ NR Copper\_\_\_ 81.1\_ P\_ 2597.1780\_ 4550.00\_ 75-125 6286.5325\_ lron\_\_\_ NR Lead\_ NR Magnesium\_ 80.1 P.\_ \_2270.00\_ 75-125\_ \_1987.9025\_ \_170.7585\_ Manganese\_\_\_ NR Mercury\_\_\_ NR Nickel\_ NR Potassium NR Selenium\_\_\_ NR Silver NR Sodium\_ NR Thallium NR \_Vanadium\_\_ NR Zinc NR Cyanide\_

#### Comments:

Form V (Part 1) - IN

SW846

\_\_\_\_\_

. 1

| VOLATILE ORGANICS ANALYSIS DATA S  | HEET                                |
|--|-------------------------------------|
| Lab Name: MITKEM CORPORATION Contract  | RPMW-10SMSD                         |
| Lab Code: MITKEM Case No.: SAS No.   | : SDG No.: A1398                    |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1398-03AMSD         |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6744                |
| Level: (low/med) LOW   | Date Received: 09/25/02             |
| * Moisture: not dec.   | Date Analyzed: 10/04/02             |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1000.0             |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)            |
|  | NTRATION UNITS:<br>or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 65000<br>45000<br>14000<br>36000    |

FORM I VOA

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: MITKEM COR  | PORATION   | Contract: |           | RPMW-10SMSD  |
|---|--|-----------|-----------|--|
| Lab Code: MITKEM (  | Case No.:  | SAS No.:  | SDG       | No.: A1398   |
| Matrix: (soil/water)  | WATER  | Lab Sa    | ample ID: | A1398-03HMSD   |
| Sample wt/vol:  | 1000 (g/mL) ML   | Lab F     | ile ID:   | S1D1196  |
| Level: (low/med)  | TOM  | Date I    | Received: | 09/25/02   |
| <pre>% Moisture:</pre>  | decanted: (Y/N)  | Date I    | Extracted | :09/25/02  |
| Concentrated Extract  | Volume: 1000(1   | L) Date A | Analyzed: | 10/01/02   |
| Injection Volume:   | 1.0(uL)  | Diluti    | ion Facto | r: 1.0   |
| GPC Cleanup: (Y/N)  | N pH:  |           |           |  |
| $\begin{array}{c} 208-96-8\\ 83-32-9\\ 132-64-9\\ 86-73-7\\ 85-01-8\\ 120-12-7\\ 206-44-0\\ 129-00-0\\ 56-55-3\\ 218-01-9\\ 205-99-2\\ 207-08-9\\ 50-32-8\end{array}$ | 2-Methylnaphtha<br>Acenaphthylene<br>Dibenzofuran<br>Fluorene<br>Phenanthrene<br>Phenanthrene<br>Pyrene<br>Benzo (a) anthrac<br>Chrysene<br>Benzo (b) fluoran<br>Benzo (k) fluoran<br>Benzo (a) pyrene | ene       |           | Q 760 E 100 46 57 50 51 63 46 51 46 49 44 51 46 46 46 46 |
| 193-39-5  | Indeno(1,2,3-cd<br>Dibenzo(a,h)ant<br>Benzo(g,h,i)per  | hracene   |           | 35<br>37<br>35   |

6 DUPLICATES EPA SAMPLE NO.

UG/L\_

|                 |            |           |         |             |               | RPMW-10  | SD    |   |
|-----------------|------------|-----------|---------|-------------|---------------|----------|-------|---|
| Lab Name:       | MITKEM_COR | PORATION  | Contrac | t:          |               |          |       |   |
| Lab Code:       | MITKEM     | Case No.: |         | SAS No.:    |               | SDG No.: | A1398 |   |
| Matrix (soil/wa | iter):     | WATER_    |         |             | Level (low    | /med):   | MED   | - |
| % Solids for Sa | imple:     | 0.0       |         | % Solids fo | or Duplicate: |          | 0.0   | - |

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

---

Control С Duplicate (D) С RPD Q Μ Sample (S) Analyte Limit NR Aluminum\_ NR Antimony\_ NR Arsenic\_\_ NR Barium\_\_\_ NR Beryllium\_ NR. Cadmium\_ NR Calcium\_\_\_\_ NR Chromium NR Cobalt\_\_\_\_ NR Copper\_\_\_ \_8.2\_ P\_ 2392.5780\_\_\_ 2597.1780\_ Iron\_ NR Lead\_ NR Magnesium\_ \_7.9\_ P\_ 157.7085\_ 170.7585\_ 50.0\_ Manganese\_ NR Mercury\_ NR Nickel\_ NR Potassium\_ NR Selenium\_\_\_ NR Silver\_\_\_\_ NR Sodium\_ NR Thallium\_\_\_ NR Vanadium\_ NR Zinc\_ ł. NR t Cyanide\_

|          | _        | LA       |      |       |
|----------|----------|----------|------|-------|
| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |

\_\_\_\_

| EPA | SAMPLE | NO. |
|-----|--------|-----|
|-----|--------|-----|

| VOLATING ORG                   | MALCO ALADIOIC          |               | I                    |       |         |      |
|--------------------------------|-------------------------|---------------|----------------------|-------|---------|------|
| Lab Name: MITKEM CORPORA       | ATION C                 | ontract:      |                      | RPFI  | 3092402 |      |
| Lab Code: MITKEM Case          | e No.:                  | SAS No.:      | SDG N                | o.: / | 1398    |      |
| Matrix: (soil/water) WAT       | TER                     | Lab Sar       | mple ID:             | A1398 | 3-12A   |      |
| Sample wt/vol: 5.0             | 000 (g/mL) ML           | Lab Fi        | le ID:               | V3A66 | 591     |      |
| Level: (low/med) LOW           | 4                       | Date Re       | eceived:             | 09/25 | 5/02    |      |
| <pre>% Moisture: not dec</pre> |                         | Date A        | nalyzed:             | 10/03 | /02     |      |
| GC Column: RTX-502.2 ID:       | : 0.53 (mm)             | Dilutio       | on Factor            | : 1.0 | )       |      |
| Soil Extract Volume:           | (uL)                    | Soil A        | liquot Vo            | lume: |         | (uL) |
| CAS NO.                        | COMPOUND                | CONCENTRATION | N UNITS:<br>Kg) UG/L |       | Q       |      |
| 71-43-2<br>108-88-3            | Foluene<br>Ethylbenzene |               |                      | 1     | U       |      |

, i

#### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPFB092402 Contract: Lab Name: MITKEM CORPORATION SDG No.: A1398 SAS No.: Lab Code: MITKEM Case No.: Lab Sample ID: A1398-12H Matrix: (soil/water) WATER Lab File ID: S1D1169 1000 (g/mL) ML Sample wt/vol: Date Received: 09/25/02 LOW Level: (low/med) Date Extracted:09/25/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 09/30/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene               | 1  | J |
|----------------------------------|----|---|
| 91-57-62-Methylnaphthalene       | 10 | U |
| 208-96-8Acenaphthylene           | 10 | U |
| 83-32-9Acenaphthene              | 10 | U |
|                                  | 10 | U |
| 132-64-9Dibenzofuran             | 10 | U |
| 86-73-7Fluorene                  | 10 | U |
| 85-01-8Phenanthrene              | 10 | Ū |
| 120-12-7Anthracene               | 10 | - |
| 206-44-0Fluoranthene             | 10 |   |
| 129-00-0Pyrene                   | 10 |   |
| 56-55-3Benzo (a) anthracene      | 10 |   |
| 218-01-9Chrysene                 |    |   |
| 205-99-2Benzo(b)fluoranthene     | 10 |   |
| 207-08-9Benzo(k)fluoranthene     | 10 |   |
| 50-32-8Benzo(a) pyrene           | 10 |   |
| 193-39-5Indeno(1,2,3-cd)pyrene   | 10 | U |
| 53-70-3Dibenzo (a, h) anthracene | 10 | U |
| 191-24-2Benzo(g,h,i) perylene    | 10 | υ |
| 191-24-2Benzo(g, n, 1) peryrene  |    |   |
|                                  | I  |   |

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

| Lab Name:       | MITKEM CORP | OR A TION | Contract:   |       |            | RPFB092  | 2402  |  |
|-----------------|-------------|-----------|-------------|-------|------------|----------|-------|--|
| Lab Code:       | MITKEM      | Case No.: | <br>SAS No. | .:    |            | SDG No.: | A1398 |  |
| Matrix (soil/wa | ter):       | WATER_    |             | Lab S | Sample ID: | A1398-1  | 2E    |  |
| Level (low/med  | i):         | MED       |             | Date  | Received:  | 09/25/02 |       |  |
| % Solids:       |             |           |             |       |            |          |       |  |

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

UG/L

ſ

| CAS No.    | Analyte   | Concentration | C  | Q           | м           |
|------------|-----------|---------------|----|-------------|-------------|
| 7429-90-5  | Aluminum  |               |    |             | NR          |
| 7440-36-0  | Antimony  |               |    |             | NR          |
| 7440-38-2  | Arsenic   |               |    |             | NR          |
| _7440-39-3 | Barium    |               |    | <del></del> | 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    |               |    | . <u></u>   | NR          |
| 7440-50-8  | Copper    |               |    |             | NR          |
| _7439-89-6 | Iron      | 35.0          | U_ |             | P           |
| _7439-92-1 |           |               |    |             | NR          |
| _7439-95-4 | Magnesium |               |    |             | NR          |
| _7439-96-5 | Manganese | 2.0           | U_ | E           | P           |
| _7439-97-6 |           |               |    |             | $_{\rm NR}$ |
| _7440-02-0 |           |               |    |             | NR          |
| _7440-09-7 | Potassium |               |    | <u> </u>    | NR          |
| _7782-49-2 | Selenium  |               |    |             | $_{\rm NR}$ |
| _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          |
|            | Cyanide   |               |    |             | NR          |

| Color Before:       | <u> </u>        | Clarity Before:                        | * | Texture:   |  |
|---------------------|-----------------|--|---|------------|--|
| Color After:        |                 | Clarity After:                         |   | Artifacts: |  |
| Comments:<br>TOTAL_ | METALS_FOR_SAMP | LE_RPFB092402                          |   |            |  |
|                     |                 | ······································ |   | ·····      |  |

SW846

0064111

| 1                         |       |
|---------------------------|-------|
| INORGANIC ANALYSIS DATA S | SHEET |

EPA SAMPLE NO.

|                  |                    |                               |           |                | RPFB092   | 402      |
|------------------|--------------------|-------------------------------|-----------|----------------|-----------|----------|
| Lab Name:        | MITKEM_CORPO       | DRATION                       | Contract: |                |           |          |
| Lab Code:        | MITKEM             | Case No.:                     | SAS No.   | :              | SDG No.:  | A1398    |
| Matrix (soil/wat | ter):              | WATER_                        |           | Lab Sample ID: | A1398-12  | 2F       |
| Level (low/med   | ):                 | MED                           |           | Date Received: | 09/25/02_ | <u> </u> |
| % Solids:        |                    |                               |           |                |           |          |
|                  | Concentration Unit | s (ug/L or mg/kg dry weight): |           |                | UG/L      |          |

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

С Μ Q Concentration CAS No. Analyte NR . . . . . . . 7429-90-5\_ Aluminum\_ NR \_7440-36-0\_ Antimony\_ NR Arsenic \_7440-38-2\_ NR Barium 7440-39-3 NR Beryllium\_ \_7440-41-7\_ NR Cadmium\_ \_7440-43-9\_ NR Calcium\_ \_7440-70-2\_ NR Chromium\_ \_7440-47-3\_ NR 7440-48-4\_ Cobalt\_ NR 7440-50-8 Copper\_ U. P\_ \_35.0\_ 7439-89-6 Iron NR Lead\_ \_7439-92-1\_ NR \_7439-95-4\_ Magnesium 2.1\_ **B**\_ P\_ Manganese 7439-96-5 NR \_7439-97-6\_ Mercury\_ NR 7440-02-0 Nickel\_ NR Potassium. \_7440-09-7\_ NR Selenium 7782-49-2 NR Silver\_ 7440-22-4 NR 7440-23-5 Sodium\_ NR Thallium 7440-28-0 NR \_7440-62-2\_ Vanadium\_ NR \_7440-66-6\_ Zinc\_ NR Cyanide\_\_\_

| Color Before:        |                  | Clarity Before: | ······ | Texture:   |          |
|----------------------|------------------|-----------------|--------|------------|----------|
| Color After:         | <del></del>      | Clarity After:  |        | Artifacts: |          |
| Comments:<br>DISSOLV | /ED_METALS_FOR_S | AMPLE_RPFB09402 |        |            | ··       |
|                      |                  |                 |        |            | <u>_</u> |

SW846

000412

# **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPFB092402Lab ID:A1398-12

# Project: Keyspan Collection Date: 09/24/02 16:45 Matrix: AQUEOUS

| Analyses                     | Result       | Qual     | Limit   | Units   | <u>    .    .                           </u> | DF | Date Analyzed  |
|------------------------------|--------------|----------|---------|---------|--|----|----------------|
| NITROGEN (NITRATE) BY AUTON  | ATED CD REDI | J E353.2 | NO3     |         |  |    |                |
| Nitrate-N                    | ND           |          | 0.050   | mg/L    |  | 1  | 09/25/02 14:54 |
| LIKALINITY BY TITRATION MET  | HOD          | SM2320   | _w      |         |  |    |                |
| Alkalinity, Total (As CaCO3) | ND           |          | 20      | mg/L Ca | CO3  | 1  | 09/25/02 12:00 |
| ERROUS IRON BY PHENANTHR     | OLINE METHOD | SM3500   | D FE2 W | r       |  |    |                |
| Ferric Iron - Dissolved      | ND           |          | 50      | mg/L    |  | 5  | 09/25/02 11:10 |
| Ferric Iron                  | ND           |          | 50      | mg/L    |  | 5  | 09/25/02 11:10 |
| ERROUS IRON BY PHENANTHR     | OLINE METHOD | SM3500   | D FE3 W | r       |  |    |                |
| Ferrous Iron - Dissolved     | ND           |          | 50      | mg/L    | UJ   | 5  | 09/25/02 11:10 |
| Ferrous Iron                 | ND           |          | 50      | mg/L    | UJ   | 5  | 09/25/02 11:10 |
| SULFATE BY TURBIDIMETRIC MI  | ETHOD        | SM4500   | _\$04_W |         |  |    |                |
| Sulfate                      | ND           |          | 7.0     | mg/L    |  | 1  | 09/26/02 13:47 |
| OTAL CYANIDE                 |              | SW9012   | 8_W     |         |  |    |                |
| Cyanide                      | ND           |          | 0.020   | mg/L    |  | 1  | 09/30/02 14:00 |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quanititation limits
- B Analyte detected in the associated Method Blank
- DF Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

#### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

-

EPA SAMPLE NO.

| Lab Name: MITKEM CORPORATIO                                  | N Contract:      | RPTB092402           |
|--|------------------|----------------------|
| Lab Code: MITKEM Case No                                     | SAS No.:         | SDG No.: A1398       |
| Matrix: (soil/water) WATER                                   | Lab :            | Sample ID: A1398-13A |
| Sample wt/vol: 5.000   | (g/mL) ML Lab    | File ID: V3A6659     |
| Level: (low/med) LOW   | Date             | Received: 09/25/02   |
| <pre>% Moisture: not dec</pre>                               | Date             | Analyzed: 10/02/02   |
| GC Column: RTX-502.2 ID: 0.                                  | 53 (mm) Dilut    | tion Factor: 1.0     |
| Soil Extract Volume:   | _(uL) Soil       | Aliquot Volume:(uL)  |
| CAS NO. COMP   | OUND (ug/L or ug |                      |
| 71-43-2Benz<br>108-88-3Tolu<br>100-41-4Ethy<br>1330-20-7Xyle | ene<br>1benzene  |                      |

000070

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

|  | RPTB092502                                     |
|--|--|
| Lab Name: MITKEM CORPORATION   | Contract:                                      |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1409                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1409-07A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6750                           |
| Level: (low/med) LOW   | Date Received: 09/26/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 10/05/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>1 U<br>1 U                |

-

# Groundwater Validated Form I Analytical Data

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

· \_ \_ ·

EPA SAMPLE NO.

| Lab Name: MITKEM COR | PORATION        | Contract:                                  | MW-A                          |      |
|----------------------|-----------------|--|-------------------------------|------|
| Lab Code: MITKEM     | Case No.:       | SAS No.: SDG                               | No.: A1379                    | I    |
| Matrix: (soil/water) | WATER           | Lab Sample II                              | ): A1379-07A                  |      |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File ID:                               | V3A6594                       |      |
| Level: (low/med)     | LOW             | Date Received                              | l: 09/20/02                   |      |
| % Moisture: not dec. |                 | Date Analyzed                              | l: 09/29/02                   |      |
| GC Column: RTX-502.2 | : ID: 0.53 (mm) | Dilution Fact                              | or: 20.0                      |      |
| Soil Extract Volume: | (uL)            | Soil Aliquot                               | Volume:                       | (uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/ | -                             |      |
|                      |                 |  | 6000 E<br>20 U<br>1600<br>630 |      |

FORM I VOA

EPA SAMPLE NO.

1

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: MITKEM COR | PORATION        | Contract:                                  | MW-ADL                             |
|----------------------|-----------------|--|------------------------------------|
| Lab Code: MITKEM     | Case No.:       | SAS No.: SDG                               | No.: A1379                         |
| Matrix: (soil/water) | WATER           | Lab Sample II                              | : A1379-07ADL                      |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File ID:                               | V3A6636                            |
| Level: (low/med)     | LOW             | Date Received                              | : 09/20/02                         |
| * Moisture: not dec. | <u> </u>        | Date Analyzed                              | : 10/01/02                         |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution Fact                              | or: 100.0                          |
| Soil Extract Volume: | (uL)            | Soil Aliquot                               | Volume:(uL)                        |
| CAS NO.              | COMPOUND        | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/ | -                                  |
|                      |                 |  | 4700 D<br>100 U<br>1200 D<br>520 D |

-----

-

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-A Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS NO.: SDG No.: A1379 Matrix: (soil/water) WATER Lab Sample ID: A1379-07H 1000 (q/mL) ML Sample wt/vol: Lab File ID: S1D1131 Level: (low/med) LOW Date Received: 09/20/02 % Moisture: decanted: (Y/N) Date Extracted:09/23/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/27/02 Injection Volume: 1.0(uL) Dilution Factor: 20.0 GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO. CON

- - --

COMPOUND

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

Q

|                                | <u> </u> | T        |
|--------------------------------|----------|----------|
| 91-20-3Naphthalene             | 3000     |          |
| 91-57-62-Methylnaphthalene     | - 160    | J        |
| 208-96-8Acenaphthylene         | 200      | U        |
| 83-32-9Acenaphthene            | - 220    |          |
| 132-64-9Dibenzofuran           | 200      | <u> </u> |
| 86-73-7Fluorene                | - 56     | J        |
| 85-01-8Phenanthrene            | - 60     | J        |
| 120-12-7Anthracene             | - 200    | U        |
| 206-44-0Fluoranthene           | 200      | U        |
| 129-00-0Pyrene                 | - 200    | U        |
| 56-55-3Benzo(a) anthracene     | 200      | U        |
| 218-01-9Chrysene               | 200      | U        |
| 205-99-2Benzo(b) fluoranthene  | - 200    | υ        |
| 207-08-9Benzo(k) fluoranthene  | - 200    | Ū I      |
| 50-32-8Benzo(a)pyrene          | -  200   | υ        |
| 193-39-5Indeno(1,2,3-cd)pyrene | - 200    | Ū I      |
| 53-70-3Dibenzo(a,h)anthracene  | - 200    | -        |
| 191-24-2Benzo(g,h,i)perylene   | 200      | -        |
|                                | -        | -        |
|                                |          | I        |

FORM I SV-1

---. ......

|                 |           | INORG   | GANIC ANA | ALYSIS DATA | SHEET          | EPA SAI  | MPLE NO. | • ; |
|-----------------|-----------|---|-----------|-------------|----------------|----------|----------|-----|
| Lab Name:       | MITKEM_CO | RPORATION_  |           | Contract:   | ···· • ··· ·   | MW-      | A<br>    | !   |
| Lab Code:       | MITKEM    | Case No.:   |           | SAS No.:    |                | SDG No.: | A1379    |     |
| Matrix (soil/wa | ater):    | WATER   |           |             | Lab Sample ID: | A1379-   | 07D      |     |
| Level (low/med  | d):       | MED   |           |             | Date Received: | 09/20/0  | 2        |     |
| % Solids:       |           | and the second |           |             |                |          |          |     |

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

UG/L

| CAS No.   | Analyte   | Concentration                         | C | Q              | М           |
|-----------|-----------|---------------------------------------|---|----------------|-------------|
| 7429-90-5 | Aluminum  |                                       | 1 |                |             |
| 7440-36-0 | Antimony  |                                       |   |                | NR          |
| 7440-38-2 |           |                                       |   |                | NR          |
| 7440-39-3 |           |                                       |   |                | <u>_ NR</u> |
| 7440-41-7 | Beryllium |                                       |   |                | _NR         |
| 7440-43-9 | Cadmium   | · · · · · · · · · · · · · · · · · · · |   |                | _NR         |
| 7440-70-2 | Calcium   |                                       |   |                | NR          |
| 7440-47-3 | Chromium  |                                       |   | - <del>n</del> | NR          |
| 7440-48-4 | Cobalt    |                                       |   |                | NR          |
| 7440-50-8 | Copper    |                                       |   |                | NR          |
| 7439-89-6 | Iron      | 4530                                  |   |                | P           |
| 7439-92-1 | Lead      |                                       |   |                | NR          |
| 7439-95-4 | Magnesium |                                       |   |                | _[.NR       |
| 7439-96-5 | Manganese | 291                                   |   |                | P           |
| 7439-97-6 | Mercury   |                                       |   |                | NR          |
| 7440-02-0 |           |                                       |   |                | 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          |
|           | Cyanide   | 104                                   |   |                | CA          |

| Color Before:          |                   | Clarity Before: | lexture:       |  |
|------------------------|-------------------|-----------------|----------------|--|
| Color After:           |                   | Clarity After:  | <br>Artifacts: |  |
| Comments:<br>TOTAL_MET | TALS_FOR_SAMPLE_N | 1W-A            | <br>           |  |

FORM I - IN

SW846

\_\_\_\_

|                 | INORGANIC A |           | 1<br>C ANALYSIS DATA SHEET | EPA SAMPLE NO. |  |  |
|-----------------|-------------|-----------|----------------------------|----------------|--|--|
| Lab Name:       | MITKEM_CO   | PRORATION | Contract:                  | MW-A           |  |  |
| Lab Code:       | MITKEM      | Case No.: | SAS No.:                   | SDG No.: A1379 |  |  |
| Matrix (soil/wa | iter):      | WATER_    | Lab Sample ID:             | A1379-07F      |  |  |
| Level (low/med  | <b>l</b> ): | MED       | Date Received:             | 09/20/02       |  |  |
|                 |             |           |                            |                |  |  |

% Solids:

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

\_\_\_\_

UG/L

| Analyte   | Concentration  | C   | Q   | M  |
|-----------|--|---|---|--|
|           |  |   |   | NR   |
| Antimony  |  |   |   | NR   |
| Arsenic   |  |   |   | NR   |
|           |  |   |   | NR   |
| Beryllium |  |   |   | _NR  |
| Cadmium   |  |   |   | NR   |
| Calcium   |  |   |   | _ NR   |
| Chromium  |  |   |   | NR   |
| Cobalt    |  |   | ·   | NR   |
| Copper    |  |   |   | NR   |
| Iron      | 1420   |   |   | P  |
| Lead      |  |   |   | _ NR   |
| Magnesium |  |   |   | NR   |
| Manganese | 277  |   |   | P  |
|           |  |   |   | NR   |
| Nickel    |  |   |   | NR   |
| Potassium |  |   |   | NR   |
|           |  |   |   | NR   |
|           |  |   |   | NR   |
|           |  |   |   | NR   |
| Thallium  |  |   |   | NR   |
| Vanadium  |  |   |   | NR   |
| Zinc      |  |   |   | NR   |
| Cyanide   |  |   |   | _NR  |
|           | Aluminum<br>Antimony<br>Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Calcium<br>Chromium<br>Cobalt<br>Copper<br>Iron<br>Lead<br>Magnesium<br>Manganese<br>Mercury<br>Nickel<br>Potassium<br>Selenium<br>Silver<br>Sodium<br>Thallium<br>Vanadium<br>Zinc | Aluminum         Antimony         Arsenic         Barium         Beryllium         Cadmium         Calcium         Calcium         Chromium         Cobalt         Copper         Iron         Iron         Magnesium         Manganese         277 | Aluminum   Antimony   Arsenic   Barium   Beryllium   Cadmium   Cadmium   Calcium   Calcium   Chromium   Cobalt   Copper   Iron   1420   Lead   Magnesium   Magnese   277   Mercury   Nickel   Potassium   Silver   Sodium   Thallium   Zinc | Aluminum   Antimony   Arsenic   Barium   Beryllium   Cadmium   Cadmium   Calcium   Calcium   Calcium   Calcium   Cobalt   Cobalt   Copper   Iron   Iron   Iron   Magnesium   Magnese   Nickel   Potassium   Silver   Sodium   Thallium   Vanadium   Zinc |

Color After: \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_ Comments: \_\_\_\_\_\_ DISSOLVED\_METALS\_FOR\_SAMPLE\_MW-A \_\_\_\_\_\_

FORM I - IN

SW846

**CLIENT:** GEI Consultants, Inc. Client Sample ID: MW-A Lab ID: A1379-07

# **Mitkem Corporation**

| Project: Keyspan                |  |  |  |  |  |  |
|---------------------------------|--|--|--|--|--|--|
| Collection Date: 09/19/02 14:29 |  |  |  |  |  |  |
| Matrix: AQUEOUS                 |  |  |  |  |  |  |

Date: 27-Sep-02

| Analyses                        | Result | Qual     | Limit    | Units   | DF | Date Analyzed  |
|---------------------------------|--------|----------|----------|---|----|----------------|
| NITROGEN (NITRATE) BY AUTOMATED | CD RED | J E353.2 | _NO3     |   |    |                |
| Nitrate-N                       | ND     |          | 1.0      | mg/L  | 20 | 09/20/02 12:00 |
| ALKALINITY BY TITRATION METHOD  |        | SM232    | 0_W      |   |    |                |
| Alkalinity, Total (As CaCO3)    | 290    |          | 20       | mg/L CaCO3  | 1  | 09/25/02 12:00 |
| FERROUS IRON BY PHENANTHROLINE  | METHOD | SM350    | 0D_FE2_W | 1   |    |                |
| Ferric Iron - Dissolved         | ND     |          | 250      | mg/L  | 25 | 09/20/02 11:40 |
| Ferric Iron                     | ND     |          | 250      | mg/L  | 25 | 09/20/02 11:40 |
| FERROUS IRON BY PHENANTHROLINE  | METHOD | SM350    | D_FE3_W  | I Contraction of the second |    |                |
| Ferrous Iron – Dissolved        | ND     |          | 250      | mg/L  | 25 | 09/20/02 11:40 |
| Ferrous Iron                    | ND     |          | 250      | mg/L  | 25 | 09/20/02 11:40 |
| SULFATE BY TURBIDIMETRIC METHOD | 1      | SM450    | 0_SO4_W  |   |    |                |
| Sulfate                         | ND     |          | 7.0      | mg/L  | 1  | 09/23/02 13:41 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Limit - Reporting Limit

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

----

EPA SAMPLE NO.

|                                 |                 |  |          | 1                       | MW-01 |      |
|---------------------------------|-----------------|--|----------|-------------------------|-------|------|
| Lab Name: MITKEM CORP           | ORATION         | Contract:                              | Í        |                         |       |      |
| Lab Code: MITKEM C              | Case No.:       | SAS No.:                               | SDG      | No.: 2                  | A1369 |      |
| Matrix: (soil/water)            | WATER           | Lab Sar                                | mple ID: | A136                    | 9-11A |      |
| Sample wt/vol:                  | 5.000 (g/mL) ML | Lab Fil                                | le ID:   | V3A6                    | 507   |      |
| Level: (low/med)                | LOW             | Date Re                                | eceived: | 09/19                   | 9/02  |      |
| <pre>% Moisture: not dec.</pre> |                 | Date Ar                                | nalyzed: | 09/20                   | 5/02  |      |
| GC Column: RTX-502.2            | ID: 0.53 (mm)   | Dilutio                                | on Facto | r: 2.0                  | 0     |      |
| Soil Extract Volume:_           | (uL)            | Soil Al                                | liquot V | olume                   | :     | (uL) |
| CAS NO.                         | COMPOUND        | CONCENTRATION<br>(ug/L or ug/H         |          |                         | Q     |      |
|                                 |                 | ······································ |          | 3300<br>2<br>1400<br>48 | U     |      |

FORM I VOA

.

0000**32** 

EPA SAMPLE NO.

| VOLATILE ORGANICS ANALYSIS DATA SHEE | VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |
|--------------------------------------|----------|----------|----------|------|-------|
|--------------------------------------|----------|----------|----------|------|-------|

| Lab Name: MITKEM COR | PORATION        | Contract:                                  | M                       | W-01DL  |       |
|----------------------|-----------------|--|-------------------------|---------|-------|
| Lab Code: MITKEM     | Case No.:       | SAS No.: SDG                               | No.:                    | A1369   |       |
| Matrix: (soil/water) | WATER           | Lab Sample II                              | : A136                  | 9-11ADL |       |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File ID:                               | <b>V3A</b> 6            | 513     |       |
| Level: (low/med)     | LOW             | Date Received                              | 1: 09/1                 | 9/02    |       |
| % Moisture: not dec. |                 | Date Analyzed                              | : 09/2                  | 6/02    |       |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution Fact                              | or: 50                  | .0      |       |
| Soil Extract Volume: | (uL)            | Soil Aliquot                               | Volume                  | :       | _(uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/ | -                       | Q       |       |
|                      |                 |  | 2500<br>50<br>980<br>57 | U<br>D  |       |

-

••

----

.\_\_\_\_ . .\_\_\_ . .\_\_\_\_

#### EPA SAMPLE NO.

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-01

Contract: Lab Name: MITKEM CORPORATION SDG No.: A1369 SAS NO.: Case No.: Lab Code: MITKEM Lab Sample ID: A1369-11C Matrix: (soil/water) WATER Lab File ID: S1D1151 1000 (g/mL) ML Sample wt/vol: Date Received: 09/19/02 Level: (low/med) LOW Date Extracted:09/19/02 decanted: (Y/N)\_\_\_ \_----% Moisture: Date Analyzed: 09/28/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 10.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N рн: \_\_\_\_ CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene             | 1600 |     |
|--------------------------------|------|-----|
| 91-57-62-Methylnaphthalene     | 53   | J   |
| 208-96-8Acenaphthylene         | 100  | U   |
| 83-32-9Acenaphthene            | 120  |     |
| 132-64-9Dibenzofuran           | 100  | Ū   |
| 86-73-7Fluorene                | 56   | J   |
| 85-01-8Phenanthrene            | 65   | J   |
| 120-12-7Anthracene             | 100  | υ   |
|                                | 100  | υ   |
| 206-44-0Fluoranthene           | 100  | -   |
| 129-00-0Pyrene                 | 100  |     |
| 56-55-3Benzo (a) anthracene    | 100  | - 1 |
| 218-01-9Chrysene               |      | -   |
| 205-99-2Benzo (b) fluoranthene | 100  | -   |
| 207-08-9Benzo(k)fluoranthene   | 100  |     |
| 50-32-8Benzo(a)pyrene          | 100  | -   |
| 193-39-5Indeno(1,2,3-cd)pyrene | 100  | _   |
| 53-70-3Dibenzo(a,h)anthracene  | 100  | U J |
| 191-24-2Benzo (g,h,i) perylene | 100  | U I |
|                                |      |     |
|                                | ·    |     |

----

# 1 INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

| Lab Name:        | MITKEM_CORPO | RATION    |   | Contract: |       |           | MW-0      | )1    |
|------------------|--------------|-----------|---|-----------|-------|-----------|-----------|-------|
| Lab Code:        | MITKEM       | Case No.: | · | SAS No.   | .:    |           | SDG No.:  | A1369 |
| Matrix (soil/wat | er):         | WATER_    |   |           | Lab S | ample ID: | A1369-1   | 1B    |
| Level (low/med)  | ):           | MED       |   |           | Date  | Received: | 09/19/02. |       |
|                  |              |           |   |           |       |           |           |       |

% Solids:

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

С Q Μ Concentration CAS No. Analyte NR \_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 Calcium \_7440-70-2 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\_ Silver\_ NR 7440-22-4 NR 7440-23-5 Sodium\_ NR \_7440-28-0\_ Thallium NR 7440-62-2 Vanadium NR \_7440-66-6\_ Zinc CA Cyanide 268

| Color Before |  | Clarity Before | : | Texture:   |         |
|--------------|--|----------------|---|------------|---------|
| Color After: |  | Clarity After; |   | Artifacts: | <u></u> |
| Comments:    |  |                |   |            |         |
|              | ······································ |                |   |            |         |
|              |  |                |   |            |         |
| •••••        |  |                |   |            |         |

FORM I - IN

SW846

000387

UG/L

EPA SAMPLE NO.

| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |
|----------|----------|----------|------|-------|
|----------|----------|----------|------|-------|

|                      |                 |  | 1                           | ,    |
|----------------------|-----------------|--|-----------------------------|------|
| Lab Name: MITKEM CON | PORATION        | Contract:                              | MV                          | 1-02 |
| Lab Code: MITKEM     | Case No.:       | SAS No.:                               | SDG No.: Al                 | .369 |
| Matrix: (soil/water) | WATER           | Lab Sample                             | ID: A1369-                  | ·12A |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File II                            | ): V3A651                   | .4   |
| Level: (low/med)     | LOW             | Date Receiv                            | red: 09/19/                 | '02  |
| * Moisture: not dec. | ·               | Date Analyz                            | ed: 09/26/                  | '02  |
| GC Column: RTX-502.2 | 2 ID: 0.53 (πm) | Dilution Fa                            | actor: 10.0                 | )    |
| Soil Extract Volume: | (uL)            | Soil Alique                            | ot Volume:                  | (uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION UNI<br>(ug/L or ug/Kg) U |                             | Q    |
|                      |                 |  | 2400 E<br>350<br>780<br>710 |      |

.

. .

EPA SAMPLE NO.

| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |
|----------|----------|----------|------|-------|
|          |          |          |      |       |

MW-02DL Contract: Lab Name: MITKEM CORPORATION Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1369 Lab Sample ID: A1369-12ADL Matrix: (soil/water) WATER 5.000 (g/mL) ML Sample wt/vol: Lab File ID: V3A6520 Level: (low/med) LOW Date Received: 09/19/02 Date Analyzed: 09/26/02 % Moisture: not dec. Dilution Factor: 40.0 GC Column: RTX-502.2 ID: 0.53 (mm) Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: \_\_\_\_\_(uL) CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L CAS NO. COMPOUND Q 71-43-2----Benzene 3000 D 380 D

 108-88-3-----Toluene
 380 D

 100-41-4-----Ethylbenzene
 890 D

 1330-20-7----Xylene (Total)
 870 D

FORM I VOA

#### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-02 Lab Name: MITKEM CORPORATION Contract: SDG No.: A1369 Lab Code: MITKEM Case No.: SAS No.: Lab Sample ID: A1369-12C Matrix: (soil/water) WATER Lab File ID: S1D1152 1000 (g/mL) ML Sample wt/vol: Date Received: 09/19/02 Level: (low/med) LOW Date Extracted:09/19/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 09/28/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 5.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

COMPOUND

CAS NO.

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

Q

|                                | 1   |           |
|--------------------------------|-----|-----------|
| 91-20-3Naphthalene             | 500 |           |
| 91-57-62-Methylnaphthalene     | 38  | J         |
| 208-96-8Acenaphthylene         | 50  | ע         |
| 83-32-9Acenaphthene            | 50  | U         |
| 83-32-9Acenaphichene           | 50  | U         |
| 132-64-9Dibenzofuran           | 50  |           |
| 86-73-7Fluorene                | 50  | _         |
| 85-01-8Phenanthrene            | 50  | -         |
| 120-12-7Anthracene             | 50  |           |
| 206-44-0Fluoranthene           |     | · · · · · |
| 129-00-0Pyrene                 | 50  |           |
| 56-55-3Benzo (a) anthracene    | 50  |           |
| 218-01-9Chrysene               | 50  | - 1       |
| 205-99-2Benzo (b) fluoranthene | 50  | ט ו       |
| 207-08-9Benzo (k) fluoranthene | 50  | U         |
| 50-32-8Benzo (a) pyrene        | 50  | υ         |
| 193-39-5Indeno(1,2,3-cd)pyrene | 50  | U         |
| 53-70-3Dibenzo(a,h)anthracene  | 50  |           |
| 53 - 70 - 3 - 2                | 50  |           |
| 191-24-2Benzo(g,h,i)perylene   |     | -         |
|                                | li  | ·I        |

\_\_\_\_\_

| 1                             |   |
|-------------------------------|---|
| INORGANIC ANALYSIS DATA SHEET | Г |

EPA SAMPLE NO.

|                |               | INC               | RUANIC ANAL I     | 313 DA I A | SHEET    |         |          | ]     |
|----------------|---------------|-------------------|-------------------|------------|----------|---------|----------|-------|
| Lab Name:      | MITKEM_CO     | RPORATION         | Co                | ontract:   |          |         | MW       | -02   |
| Lab Code:      | MITKEM        | Case No.:         |                   | SAS No     | •        |         | SDG No.: | A1369 |
| Matrix (soil/w | vater):       | WATER_            |                   |            | Lab Samp | ole ID: | A1369-3  | 12B   |
| Level (low/mo  | ed):          | MED               |                   |            | Date Rec | eived:  | 09/19/02 | 2     |
| % Solids:      |               |                   |                   |            |          |         |          |       |
|                | Concentration | Units (ug/L or mg | g/kg dry weight): |            |          |         | UG/L     |       |
|                | CAS No.       | Analyte           | Concentration     | С          | Q        | м       |          |       |
|                |               |                   |                   |            |          |         |          |       |

| 0/10/100   |           | •••• |                   |            |
|------------|-----------|------|-------------------|------------|
| 7429-90-5  | Aluminum  |      | <br>              | NR         |
| 7440-36-0  |           |      |                   | NR         |
| 7440-38-2  | Arsenic   |      |                   | NR         |
| 7440-39-3  |           |      |                   | NR         |
| 7440-41-7  |           |      |                   | NR         |
| 7440-43-9  | Cadmium   |      |                   | NR         |
| 7440-70-2  |           |      |                   | NR         |
| 7440-47-3  | Chromium  |      | -                 | NR         |
| 7440-48-4  | Cobalt    |      |                   | NR         |
| 7440-50-8  |           |      |                   | NR         |
| 7439-89-6  |           |      | <br>              | NR         |
| 7439-92-1  | Lead      | <br> |                   | NR.        |
| 7439-95-4  | Magnesium |      |                   | NR.        |
| 7439-96-5  | Manganese |      | <br>              | NR         |
| 7439-97-6  | Mercury   |      | <br>              | NR         |
| 7440-02-0  | Nickel    |      | <br>              | NR         |
| 7440-09-7  | Potassium |      | <br><b></b>       | <b>↓NR</b> |
| 7782-49-2  | Selenium  |      | <br>              | NR         |
| _7440-22-4 | Silver    |      | <br><b>,</b> ,,,, | NR         |
| _7440-23-5 | Sodium    |      | <br>              | ↓NR        |
| _7440-28-0 | Thallium  |      | <br>              | NR.        |
| 7440-62-2  | Vanadium  |      | <br>              | NR         |
| 7440-66-6  | Zinc      |      | <br>              | LNR        |
|            | Cyanide   | 105  | <br>              | LCA_       |

| Color Before: |         | Clarity Before: | ······································  | Texture:   |             |
|---------------|---------|-----------------|---|------------|-------------|
| Color After:  | <b></b> | Clarity After:  |   | Artifacts: | <del></del> |
| Comments:     |         |                 |   |            |             |
| <u></u>       |         |                 |   |            |             |
| <u></u>       |         |                 |   |            |             |
|               |         |                 | ••••••••••••••••••••••••••••••••••••••• |            | - <u>-</u>  |

FORM I - IN

SW846

EPA SAMPLE NO.

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: MITKEM CORPORATION       | Contract: MW-03                                |
|------------------------------------|--|
| Lab Code: MITKEM Case No.:         | SAS No.: SDG No.: A1369                        |
| Matrix: (soil/water) WATER         | Lab Sample ID: A1369-13A                       |
| Sample wt/vol: 5.000 (g/mL) ML     | Lab File ID: V3A6515                           |
| Level: (low/med) LOW               | Date Received: 09/19/02                        |
| % Moisture: not dec.               | Date Analyzed: 09/26/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm) | Dilution Factor: 20.0                          |
| Soil Extract Volume:(uL)           | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND                   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
|                                    |  |

| 71-43-2Benzene          | 29000 | Е |
|-------------------------|-------|---|
| 108-88-3Toluene         | 20000 | Е |
| 100-41-4Ethylbenzene    | 4200  |   |
| 1330-20-7Xylene (Total) | 40000 | Е |
|                         |       |   |

FORM I VOA

•

. .

\_----

. .

-

EPA SAMPLE NO.

| VOLATILE ORGANICS ANALYSIS   | DATA SHEET   |
|--|--|
| Lab Name: MITKEM CORPORATION   | Ontract:   |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1369  |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1369-13ADL   |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6528   |
| Level: (low/med) LOW   | Date Received: 09/19/02  |
| % Moisture: not dec.   | Date Analyzed: 09/27/02  |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 500.0   |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)   |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q   |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 35000         D           22000         D           3900         D           41000         D |

- -

\_

000047

EPA SAMPLE NO.

MW-03 Contract: Lab Name: MITKEM CORPORATION Lab Code: MITKEM Case No.: SAS NO.: SDG No.: A1369 Matrix: (soil/water) WATER Lab Sample ID: A1369-13A Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1D1212 Level: (low/med) LOW Date Received: 09/19/02 % Moisture: decanted: (Y/N) Date Extracted:09/19/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/01/02 Injection Volume: 1.0(uL) Dilution Factor: 40.0 GPC Cleanup: (Y/N) N pH: \_\_\_\_ CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene             | 5700 |          |
|--------------------------------|------|----------|
| 91-57-62-Methylnaphthalene     | 220  | J        |
| 208-96-8Acenaphthylene         | 400  | U        |
| 83-32-9Acenaphthene            | 400  | U        |
| 132-64-9Dibenzofuran           | 400  | U        |
| 86-73-7Fluorene                | 400  | U        |
| 85-01-8Phenanthrene            | 400  | U        |
| 120-12-7Anthracene             | 400  | U        |
| 206-44-0Fluoranthene           | 400  | U        |
| 129-00-0Pyrene                 | 400  | U (      |
| 56-55-3Benzo (a) anthracene    | 400  | υ        |
| 218-01-9Chrysene               | 400  | U        |
| 205-99-2Benzo (b) fluoranthene | 400  | U        |
| 207-08-9Benzo(k) fluoranthene  | 400  | U        |
| 50-32-8Benzo (a) pyrene        | 400  | υ        |
| 193-39-5Indeno(1,2,3-cd)pyrene | 400  | <b>U</b> |
| 53-70-3Dibenzo(a,h)anthracene  | 400  | υ        |
| 191-24-2Benzo(g,h,i)perylene   | 400  | υ Ι      |
|                                |      |          |

FORM I SV-1

| 1                      |         |
|------------------------|---------|
| INORGANIC ANALYSIS DAT | A SHEET |

EPA SAMPLE NO.

| Lab Name: MITKEM_CORPORATION |        | Contract: |  |         | MW-   | 03         |          |       |
|------------------------------|--------|-----------|--|---------|-------|------------|----------|-------|
| Lab Code:                    | MITKEM | Case No.: |  | SAS No. | :     | <u> </u>   | SDG No.: | A1369 |
| Matrix (soil/wat             | er):   | WATER_    |  |         | Lab S | Sample ID: | A1369-1  | 3B    |
| Level (low/med)              | ):     | MED       |  |         | Date  | Received:  | 09/19/02 | ·     |
|                              |        |           |  |         |       |            |          |       |

% Solids:

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

Ç Q Μ Concentration CAS No. Analyte NR Aluminum 7429-90-5 NR \_7440-36-0\_ Antimony\_ NR \_7440-38-2\_ Arsenic\_ NR 7440-39-3 Barium NR Beryllium 7440-41-7 NR Cadmium 7440-43-9 NR Calcium \_7440-70-2\_ NR Chromium .7440-47-3. NR 7440-48-4 Cobalt\_ NR \_7440-50-8 Copper\_ NR \_7439-89-6 Iron NR Lead\_ 7439-92-1 NR Magnesium. 7439-95-4 NR \_7439-96-5\_ Manganese NR 7439-97-6 Mercury\_ NR \_7440-02-0\_ Nickel\_ NR Potassium\_ 7440-09-7\_ NR Selenium\_ 7782-49-2 NR Silver\_ \_7440-22-4\_ NR Sodium 7440-23-5 NR Thallium\_ 7440-28-0\_ NR 7440-62-2 Vanadium NR 7440-66-6\_ Zinc CA 115\_ Cyanide.

| Color Before: | <br>Clarity Before: | <br>Texture:   |  |
|---------------|---------------------|----------------|--|
| Color After:  | <br>Clarity After:  | <br>Artifacts: |  |
| Comments:     |                     |                |  |
|               | <br>                | <del></del>    |  |
|               | <br>                | <br>           |  |
|               |                     |                |  |

FORM 1 - IN

SW846

000**389** 

UG/L

EPA SAMPLE NO.

4400

|--|

1330-20-7-----Xylene (Total)

PZ-02 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1379 Matrix: (soil/water) WATER Lab Sample ID: A1379-09A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V3A6596 (low/med) Level: LOW Date Received: 09/20/02 % Moisture: not dec. Date Analyzed: 09/29/02 GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 200.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 71-43-2----Benzene 12000 108-88-3----Toluene 200 0 100-41-4----Ethylbenzene 4200

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHERT

PZ-02 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1379 Matrix: (soil/water) WATER Lab Sample ID: A1379-09C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1D1132 Level: (low/med) LOW Date Received: 09/20/02 % Moisture: decanted: (Y/N) Date Extracted:09/23/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/27/02 Dilution Factor: 50.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_ CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

| 01 20 2 Nonhthalana            | 7600 |      |
|--------------------------------|------|------|
| 91-20-3Naphthalene             |      |      |
| 91-57-62-Methylnaphthalene     | 1000 |      |
| 208-96-8Acenaphthylene         | 500  | U    |
| 83-32-9Acenaphthene            | 220  | J    |
| 132-64-9Dibenzofuran           | 500  | U    |
| 86-73-7Fluorene                | 51   | J    |
| 85-01-8Phenanthrene            | 500  | U    |
| 120-12-7Anthracene             | 500  | U    |
| 206-44-0Fluoranthene           | 500  | U    |
| 129-00-0Pyrene                 | 500  | ับ [ |
| 56-55-3Benzo(a)anthracene      | 500  | U    |
| 218-01-9Chrysene               | 500  | U I  |
| 205-99-2Benzo(b) fluoranthene  | 500  | U    |
| 207-08-9Benzo(k) fluoranthene  | 500  | U    |
| 50-32-8Benzo (a) pyrene        | 500  | U    |
| 193-39-5Indeno(1,2,3-cd)pyrene | 500  | U    |
| 53-70-3Dibenzo(a,h)anthracene  | 500  | U    |
| 191-24-2Benzo(g,h,i)perylene   | 500  | U    |
|                                |      | Ì    |
|                                |      |      |

|                 |           | INORG     | l<br>INORGANIC ANALYSIS DATA SHEET |           | EPA SAMPLE NO. |          | ,     |  |
|-----------------|-----------|-----------|------------------------------------|-----------|----------------|----------|-------|--|
| Lab Name:       | MITKEM_CO | RPORATION | • •                                | Contract: |                | PZ       | -02   |  |
| Lab Code:       | MITKEM    | Case No.: |                                    | SAS No.:  |                | SDG No.: | A1379 |  |
| Matrix (soil/wa | iter):    | WATER     |                                    | I         | Lab Sample ID: | A1379-   | 09D   |  |
| Level (low/med  | i):       | MED       |                                    | I         | Date Received: | 09/20/0  | 2     |  |
| % Solids:       |           |           |                                    |           |                |          |       |  |

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

\_\_\_\_\_

UG/L

|              |            | 1         |                 |         | Q | М   |          |
|--------------|------------|-----------|-----------------|---------|---|-----|----------|
|              | 7429-90-5  |           |                 |         |   | NR  |          |
|              | 7440-36-0  | Antimony  |                 |         |   | NR  |          |
|              | _7440-38-2 |           |                 |         |   | NR  |          |
|              | _7440-39-3 |           |                 |         |   | NR  |          |
|              | _7440-41-7 | Beryllium |                 |         |   |     |          |
|              | _7440-43-9 | Cadmium   |                 |         |   | NR  |          |
|              | _7440-70-2 | Calcium   |                 |         |   | NR  |          |
|              | 7440-47-3  | Chromium  |                 |         |   | NR  |          |
|              | _7440-48-4 | Cobalt    |                 |         |   | NR  |          |
|              | 7440-50-8  |           |                 |         |   | NR  |          |
|              | 7439-89-6  | Iron      |                 |         |   | NR  |          |
|              | _7439-92-1 | Lead      |                 |         |   | NR  |          |
|              | 7439-95-4  | Magnesium |                 |         |   |     |          |
|              | _7439-96-5 | 1 -       |                 |         |   | NR  |          |
|              | _7439-97-6 | Mercury   | <del></del>     |         |   | NR  |          |
|              | _7440-02-0 | Nickel    |                 |         |   | NR  |          |
|              | 7440-09-7  |           |                 | + +     |   | NR  |          |
|              | 7782-49-2  | Selenium  |                 |         |   | NR  |          |
|              | 7440-22-4  |           |                 |         |   |     |          |
|              | 7440-23-5  |           |                 |         |   | NR  |          |
|              | 7440-28-0  |           |                 |         |   | NR  |          |
|              | 7440-62-2  |           |                 |         |   | _NR |          |
|              | 7440-66-6  |           |                 |         |   |     |          |
|              |            | Cyanide   | 142             |         |   |     |          |
|              |            |           |                 |         |   |     |          |
| olor Before: |            |           | Clarity Before: | <b></b> |   |     | Texture  |
| olor After:  |            |           | Clarity After:  |         |   |     | Artifact |

Comments:

\_

| s: |  |
|----|--|
|    |  |
|    |  |
|    |  |
|    |  |

FORM I - IN

SW846

\_\_\_\_\_

\_---

EPA SAMPLE NO.

| VOLATILE O | RGANICS | ANALYSIS | DATA | SHEET |
|------------|---------|----------|------|-------|
|------------|---------|----------|------|-------|

|  |                 | -                             |       |
|--|-----------------|-------------------------------|-------|
| Lab Name: MITKEM CORPORAT:                               | ION Contract:   |                               | PZ-03 |
| Lab Code: MITKEM Case M                                  | No.: SAS No.:   | SDG No.: 2                    | A1390 |
| Matrix: (soil/water) WATER                               | R Lai           | b Sample ID: A1390            | A10-0 |
| Sample wt/vol: 5.000                                     | ) (g/mL) ML Lai | b File ID: V3A60              | 637   |
| Level: (low/med) LOW                                     | Dat             | te Received: 09/24            | 4/02  |
| * Moisture: not dec.                                     | Da:             | te Analyzed: 10/01            | 1/02  |
| GC Column: RTX-502.2 ID: (                               | ).53 (mm) Di    | lution Factor: 20             | .0    |
| Soil Extract Volume:                                     | (uL) So         | il Aliquot Volume:            | :(uL) |
| CAS NO. CON  |                 | ATION UNITS:<br>ug/Kg) UG/L   | Q     |
| 71-43-2Ber<br>108-88-3Tol<br>100-41-4Eth<br>1330-20-7Xyl | luene           | 34<br>17000<br>18000<br>18000 | Ē     |

.

. .

EPA SAMPLE NO.

| VOLATILE ORC | JANICS ANA | LYSIS DATA | SHEET |
|--------------|------------|------------|-------|
|--------------|------------|------------|-------|

|                      | •               |                                | ·            |          |      |
|----------------------|-----------------|--------------------------------|--------------|----------|------|
| Lab Name: MITKEM COR | PORATION        | Contract:                      |              | PZ-03DL  |      |
| Lab Code: MITKEM (   | Case No.:       | SAS No.:                       | SDG No.:     | A1390    |      |
| Matrix: (soil/water) | WATER           | Lab San                        | mple ID: A13 | 90-01ADI |      |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab Fil                        | le ID: V3F   | 6648     |      |
| Level: (low/med)     | LOW             | Date Re                        | eceived: 09/ | 24/02    |      |
| % Moisture: not dec. |                 | Date Ar                        | nalyzed: 10/ | /01/02   |      |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilutic                        | on Factor: 2 | 250.0    |      |
| Soil Extract Volume: | (uL)            | Soil Al                        | liquot Volum | ne:      | (uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION<br>(ug/L or ug/F |              | Q        |      |
|                      |                 |                                | 2200         | 0 D      |      |

. .

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

PZ-03 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM SAS NO.: SDG No.: A1390 Case No.: Matrix: (soil/water) WATER Lab Sample ID: A1390-01H Lab File ID: Sample wt/vol: 1000 (g/mL) ML S1D1158 Level: (low/med) LOW Date Received: 09/24/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:09/24/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/28/02 Injection Volume: 1.0 (uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH:

CAS NO. CON

COMPOUND

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

Q

| 91-20-3Naphthalene                 | 220     | EB  |
|------------------------------------|---------|-----|
| 91-57-62-Methylnaphthalene         | - 11    | រ   |
| 208-96-8Acenaphthylene             | -) 10   | UJ  |
| 83-32-9Acenaphthene                | - 10    | UT  |
| 132-64-9Dibenzofuran               |         |     |
| 86-73-7Fluorene                    | - 10    |     |
| 85-01-8Phenanthrene                | - 10    | UJ  |
| 120-12-7Anthracene                 | - 1     |     |
| 206-44-0Fluoranthene               | -1 1    | บรั |
| 129-00-0Pyrene                     |         | បភ្ |
| 56-55-3Benzo (a) anthracene        | - 1     | υŢ  |
| 218-01-9Chrysene                   |         | υĴ  |
| 205-99-2Benzo (b) fluoranthene     |         | UJ  |
| 207-08-9Benzo (k) fluoranthene     |         | ŪJ  |
| 50-32-8Benzo (a) pyrene            |         | UT  |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | - 1     | UT  |
| 53-70-3Dibenzo(a,h)anthracene      | -       | UJ  |
| 191-24-2Benzo(g,h,i)perylene       | -1 1    | UJ  |
| (j),,,,_,                          | -       |     |
|                                    | - I I - | I   |

FORM I SV-1

0154

# 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

EPA SAMPLE NO.

| Lab Name: MITKEM COR   | PORATION         | Contract:           | PZ-03DL     |
|------------------------|------------------|---------------------|-------------|
|                        |                  | 1                   |             |
| Lab Code: MITKEM       | Case No.:        | SAS No.: SDG        | No.: A1390  |
| Matrix: (soil/water)   | WATER            | Lab Sample ID:      | A1390-01HDL |
| Sample wt/vol:         | 1000 (g/mL) ML   | Lab File ID:        | S1D1174     |
| Level: (low/med)       | LOW              | Date Received:      | 09/24/02    |
| <pre>% Moisture:</pre> | decanted: (Y/N)_ | Date Extracted      | :09/24/02   |
| Concentrated Extract   | Volume: 1000(u   | 1L) Date Analyzed:  | 09/30/02    |
| Injection Volume:      | 1.0(uL)          | Dilution Facto      | r: 5.0      |
| GPC Cleanup: (Y/N)     | N pH:            |                     |             |
|                        |                  | CONCENTRATION UNTES |             |

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

Q

|                                | 1   | 1  |
|--------------------------------|-----|----|
| 91-20-3Naphthalene             | 300 | DB |
| 91-57-62-Methylnaphthalene     | 12  | IJ |
| 208-96-8Acenaphthylene         | 50  | U  |
| 83-32-9Acenaphthene            | 50  | U  |
| 132-64-9Dibenzofuran           | 50  | U  |
| 86-73-7Fluorene                | 50  | U  |
| 85-01-8Phenanthrene            | 50  | U  |
| 120-12-7Anthracene             | 50  | U  |
| 206-44-0Fluoranthene           | 50  | U  |
| 129-00-0Pyrene                 | 50  | U  |
| 56-55-3Benzo (a) anthracene    | 50  | U  |
| 218-01-9Chrysene               | 50  | U  |
| 205-99-2Benzo(b) fluoranthene  | 50  | U  |
| 207-08-9Benzo(k)fluoranthene   | 50  | U  |
| 50-32-8Benzo (a) pyrene        | 50  | U  |
| 193-39-5Indeno(1,2,3-cd)pyrene | 50  | U  |
| 53-70-3Dibenzo(a,h)anthracene  | 50  | U  |
| 191-24-2Benzo(g,h,i)perylene   | 50  | U  |
| <u> </u>                       |     |    |
|                                |     |    |

FORM I SV-1

# U.S. EPA - CLP

# 1 INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

|                  |              | INDIKC    |               | GILL  | - 1        | <u> </u> |          |
|------------------|--------------|-----------|---------------|-------|------------|----------|----------|
| Lab Name:        | MITKEM_CORPO | DRATION   | <br>Contract: |       |            | PZ-      | 03       |
| Lab Code:        | MITKEM       | Case No.: | <br>SAS No.   | .:    |            | SDG No.: | A1390    |
| Matrix (soil/wat | er):         | WATER_    |               | Lab S | Sample ID: | A1390-0  | 1E       |
| Level (low/med   | ):           | MED       |               | Date  | Received:  | 09/24/02 | <u> </u> |
|                  |              |           |               |       |            |          |          |

% Solids:

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

\_\_\_\_\_

UG/L

| CAS No.    | Analyte   | Concentration | C | Q        | M    |
|------------|-----------|---------------|---|----------|------|
| _7429-90-5 | Aluminum  |               |   |          |      |
| _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      | 75700         |   |          | P    |
| _7439-92-1 | Lead      |               |   |          | NR   |
| _7439-95-4 | Magnesium |               |   |          | NR   |
| _7439-96-5 | Manganese | 132           |   |          | _P_  |
| 7439-97-6  | Mercury   |               |   |          | NR   |
|            | 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      |               |   | <u>-</u> | _NR  |
|            | Cyanide   |               |   |          | NR   |

| Color Before:        |                | Clarity Before: | <br>Texture:   |  |
|----------------------|----------------|-----------------|----------------|--|
| Color After:         |                | Clarity After:  | <br>Artifacts: |  |
| Comments:<br>TOTAL_M | ETALS_FOR_SAMP | LE_PZ-03        | <br>           |  |
| <del></del>          |                |                 | <br>           |  |

SW846

## U.S. EPA - CLP

## 1 INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

UG/L

| Lab Name:       | MITKEM_CORP | ORATION   | <br>Contract; |       |            | PZ-      | 03    |  |
|-----------------|-------------|-----------|---------------|-------|------------|----------|-------|--|
| Lab Code:       | MITKEM      | Case No.: | <br>SAS No.   | .:    |            | SDG No.: | A1390 |  |
| Matrix (soil/wa | iter):      | WATER_    |               | Lab S | Sample ID: | A1390-0  | IF    |  |
| Level (low/med  | i):         | MED       |               | Date  | Received:  | 09/24/02 |       |  |
| % Solids:       |             |           |               |       |            |          |       |  |

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

CAS No. С Q Μ Analyte Concentration NR \_7429-90-5\_ Aluminum 7440-36-0\_ NR Antimony\_ \_7440-38-2\_ NR Arsenic\_ NR \_7440-39-3\_ Barium\_ 7440-41-7\_ Beryllium NR Cadmium NR \_7440-43-9\_ \_7440-70-2\_ Calcium. NR 7440-47-3 Chromium NR \_7440-48-4\_ NR Cobalt\_ .7440-50-8 NR Copper\_ \_7439-89-6\_ 62100\_ **P**\_ Iron NR \_7439-92-1 Lead 7439-95-4 NR Magnesium \_7439-96-5\_ 130\_ Р Manganese NR \_7439-97-6\_ Mercury NR \_7440-02-0\_ NickeL \_7440-09-7\_ Potassium. NR \_7782-49-2\_ Selenium NR NR \_7440-22-4\_ Silver\_ \_7440-23-5\_ Sodium NR \_7440-28-0\_ Thallium NR 7440-62-2 Vanadium NR NR \_7440-66-6\_ Zinc Cyanide\_ NR

| Color Before:         |                 | Clarity Before: | <br>Texture:   |  |
|-----------------------|-----------------|-----------------|----------------|--|
| Color After:          |                 | Clarity After:  | <br>Artifacts: |  |
| Comments:<br>DISSOLVI | ED_METALS_FOR_S | AMPLE_PZ-03     | <br>           |  |
|                       |                 |                 | <br>           |  |

FORM I - IN

SW846

# **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:PZ-03Lab ID:A1390-01

Project: Keyspan Collection Date: 09/23/02 10:15 Matrix: AQUEOUS

| Analyses                         | Result  | Qual      | Limit      | Units      | DF  | Date Analyzed  |
|----------------------------------|---------|-----------|------------|------------|-----|----------------|
| ITROGEN (NITRATE) BY AUTOMATED ( | CD REDI | J E353.2_ | NO3        |            |     |                |
| Nitrate-N                        | ND      |           | 1.3        | mg/L       | 25  | 09/24/02 14:04 |
| LKALINITY BY TITRATION METHOD    |         | SM2320    | _ <b>w</b> |            |     |                |
| Alkalinity, Total (As CaCO3)     | 170     |           | 40         | mg/L CaCO3 | 2   | 09/25/02 12:00 |
| OTAL DISSOLVED SOLIDS            |         | SM2540    | TDS        |            |     |                |
| Total Dissolved Solids           | 580     |           | 10         | mg/L       | 1   | 09/25/02 17:50 |
| ERROUS IRON BY PHENANTHROLINE    | METHOD  | SM3500    | D_FE2_W    | 1          |     |                |
| Ferric Iron – Dissolved          | ND      |           | 5000       | mg/L       | 500 | 09/24/02 10:25 |
| Ferric Iron                      | ND      |           | 5000       | mg/L       | 500 | 09/24/02 10:25 |
| ERROUS IRON BY PHENANTHROLINE    | METHOD  | SM3500    | D_FE3_W    | ,          |     |                |
| Ferrous Iron Dissolved           | 7000    |           | 5000       | mg/L       | 500 | 09/24/02 10:25 |
| Ferrous Iron                     | 7000    |           | 5000       | mg/L       | 500 | 09/24/02 10:25 |
| ULFATE BY TURBIDIMETRIC METHOD   |         | SM4500    | SO4. W     |            |     |                |
| Sulfate                          | 300     |           | 70         | mg/L       | 10  | 10/02/02 12:45 |
| OTAL CYANIDE                     |         | SW9012    | BW         |            |     |                |
| Cyanide                          | 0.35    | J         | 0.020      | mg/L       | 1   | 09/25/02 7:00  |

Qualifiers: ND - Not Detected

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Limit - Reporting Limit

032**8** 

## 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

| ·  | DZ   |      |
|--|--|------|
| Lab Name: MITKEM CORPORATION   | Contract:                                      |      |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A13                          | 83   |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1383-03                        | la   |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6607                           |      |
| Level: (low/med) LOW   | Date Received: 09/21/02                        | 2    |
| % Moisture: not dec.   | Date Analyzed: 09/30/02                        | 2    |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 50.0                          |      |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:                           | (uL) |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L ( | 2    |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) |  |      |

•

## 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

PZ-04 Lab Name: MITKEM CORPORATION Contract: SDG No.: A1383 SAS NO.: Case No.: Lab Code: MITKEM Lab Sample ID: A1383-01C Matrix: (soil/water) WATER Lab File ID: S2C9633 1000 (g/mL) ML Sample wt/vol: Date Received: 09/21/02 Level: (low/med) LOW Date Extracted:09/23/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/02/02 Dilution Factor: 6.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_ CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

\_\_\_ . \_ .

Q

| 91-20-3Naphthalene               | 910 |              |
|----------------------------------|-----|--------------|
| 91-57-62-Methylnaphthalene       | 30  | J            |
| 208-96-8Acenaphthylene           | 60  | U            |
| 83-32-9Acenaphthene              | 11  | J            |
| 132-64-9Dibenzofuran             | 60  | U            |
| 86-73-7Fluorene                  | 6   | J            |
| 85-01-8Phenanthrene              | 14  | J            |
| 120-12-7Anthracene               | 60  | ן <b>ט</b> ו |
| 206-44-0Fluoranthene             | 60  | U            |
| 129-00-0Pyrene                   | 60  | U            |
| 56-55-3Benzo (a) anthracene      | 60  | υ            |
| 218-01-9Chrysene                 | 60  | U            |
| 205-99-2Benzo (b) fluoranthene   | 60  | υ            |
| 205-99-2Benzo (k) fluoranthene   | 60  | U            |
| 50-32-8Benzo (a) pyrene          | 60  | U            |
| 193-39-5Indeno(1,2,3-cd)pyrene   | 60  | Ū            |
| 53-70-3Dibenzo (a, h) anthracene | 60  |              |
| 191-24-2Benzo (g,h,i) perylene   | 60  | -            |
| 191-24-2Benzo (g, n, 1) peryrene |     | -            |
|                                  | [   | ·            |

FORM I SV-1

# U.S. EPA - CLP

#### 1 INORGANIC ANALYSIS DATA SHEET

PZ-04 Lab Name: MITKEM\_CORPORATION\_\_\_\_\_ Contract: SAS No.: SDG No.: A1383\_\_\_ Lab Code: MITKEM Case No.: \_\_<u>\_</u>\_\_\_ Lab Sample ID: A1383-01B\_\_\_\_\_ Matrix (soil/water): WATER\_ Date Received: 09/21/02\_\_\_\_ Level (low/med): MED\_\_\_\_

% Solids:

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

| CAS No.    | Analyte   | Concentration | c | Q          | м       |
|------------|-----------|---------------|---|------------|---------|
| 7429-90-5  | Aluminum  |               |   |            |         |
| 7440-36-0  | Antimony  |               |   |            | NR      |
| _7440-38-2 | Arsenic   | <u></u>       |   |            | NR      |
| _7440-39-3 | Barium    |               |   |            | NR      |
| _7440-41-7 | Beryllium |               |   | <b>_</b> _ | 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      |               |   | <b></b>    | $_{NR}$ |
| · · ·      | Cyanide   | 23.4          |   |            | CA      |
|            |           | <u> </u>      |   |            |         |

| Color Before: | <br>Clarity Before: | ; | Texture:   |  |
|---------------|---------------------|---|------------|--|
| Color After.  | <br>Clarity After:  |   | Artifacts: |  |
| Comments:     |                     |   |            |  |
|               |                     |   |            |  |
|               | <br>                |   |            |  |
|               | <br>                |   |            |  |

.

EPA SAMPLE NO.

UG/L

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

|  |  |   |  | ·                      |
|--|--|---|--|------------------------|
| PRATION  | Contract:  |   | PZ-05  |                        |
| se No.:  | SAS No.:   | SDG   | No.: A1383   |                        |
| IATER  | Lab S  | ample ID:   | A1383-06A  |                        |
| .000 (g/mL) ML   | Lab F  | ile ID:   | V3A6647  |                        |
| WQ   | Date   | Received:   | 09/21/02   |                        |
|  | Date   | Analyzed:   | 10/01/02   |                        |
| D: 0.53 (mm)   | Dilut  | ion Facto   | r: 4.0   |                        |
| (uL)   | Soil   | Aliquot V   | olume:   | (uL)                   |
| COMPOUND   |  |   | Q  |                        |
| -Benzene<br>-Toluene<br>-Ethylbenzene<br>-Xylene (Total) |  |   | 210<br>5<br>160<br>410   |                        |
|  | se No.:<br>ATER<br>.000 (g/mL) ML<br>OW<br>D: 0.53 (mm)<br>(uL)<br>COMPOUND<br>-Benzene<br>-Toluene<br>-Ethylbenzene | se No.: SAS No.:<br>ATER Lab S<br>.000 (g/mL) ML Lab F<br>OW Date<br>Date<br>Date Date<br>Date Date<br>Date Date<br>Date Date Date<br>Date Date Date Date Date Date Date Date | se No.: SAS No.: SDG<br>ATER Lab Sample ID:<br>.000 (g/mL) ML Lab File ID:<br>OW Date Received:<br>Date Analyzed:<br>D: 0.53 (mm) Dilution Facto<br>(uL) Soil Aliquot V<br>CONCENTRATION UNITS:<br>COMPOUND (ug/L or ug/Kg) UG/L<br>-Benzene | RATION       Contract: |

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

PZ-05 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM SAS No.: SDG No.: A1383 Case No.: Matrix: (soil/water) WATER Lab Sample ID: A1383-06C (g/mL) ML Lab File ID: Sample wt/vol: 1000 S2C9635 Level: (low/med) LOW Date Received: 09/21/02 % Moisture: decanted: (Y/N) Date Extracted:09/23/02 Concentrated Extract Volume: 1000(uL)Date Analyzed: 10/02/02 Dilution Factor: 5.0 Injection Volume: 1.0(uL)GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

 91-20-3------Naphthalene

 91-57-6-----2-Methylnaphthalene

 208-96-8------Acenaphthylene

 83-32-9-----Acenaphthene

 132-64-9-----Dibenzofuran

 86-73-7-----Fluorene

 85-01-8------Phenanthrene

 120-12-7------Anthracene

 206-44-0------Pluoranthene

 129-00-0------Pyrene

 56-55-3-------Benzo (a) anthracene

 218-01-9-------Benzo (b) fluoranthene

 205-99-2------Benzo (k) fluoranthene

 207-08-9-------Benzo (a) pyrene

COMPOUND

193-39-5-----Indeno (1, 2, 3-cd) pyrene

53-70-3-----Dibenzo(a,h)anthracene

191-24-2----Benzo(g,h,i)perylene

CAS NO.

Q

710

130

50 U

48 J

50 U

25 J

42 J

50 U

14 J

7 J J

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

# U.S. EPA - CLP

|             | 1       |      |       |
|-------------|---------|------|-------|
| INORGANIC A | NALYSIS | DATA | SHEET |

PZ-05 Lab Name: MITKEM\_CORPORATION\_ Contract: Lab Code: SAS No.: SDG No.: A1383\_\_\_\_ MITKEM Case No.: Lab Sample ID: A1383-06B\_\_\_\_\_ Matrix (soil/water): WATER\_ Date Received: 09/21/02\_\_\_\_ Level (low/med): MED\_\_\_\_

% Solids:

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

С М Q CAS No. Analyte Concentration NR 7429-90-5 Aluminum NR 7440-36-0\_ Antimony\_ NR Arsenic\_ \_7440-38-2\_ NR \_Barium\_ \_7440-39-3\_ NR \_7440-41-7\_ \_Beryllium\_ NR Cadmium\_ 7440-43-9 NR 7440-70-2 Calcium\_ NR Chromium \_7440-47-3\_ NR \_Cobalt\_ 7440-48-4\_ NR \_Copper\_ \_7440-50-8\_ NR Iron\_ \_7439-89-6\_ NR \_7439-92-1 Lead NR Magnesium \_7439-95-4\_ NR 7439-96-5 Manganese\_ NR Mercury\_ 7439-97-6 NR Nickel 7440-02-0 NR Potassium\_ 7440-09-7 NR 7782-49-2\_ Selenium\_ NR 7440-22-4\_ Silver NR Sodium\_ 7440-23-5 NR Thallium 7440-28-0\_ NR Vanadium\_ 7440-62-2 NR .7440-66-6\_ \_Zinc\_ CA 26.1 Cyanide\_ rin Defore Texture:

| Color Bell | ore: | ·        | Clarity Belore: | <u> </u> |   | Texture.   |  |
|------------|------|----------|-----------------|----------|---|------------|--|
| Color Afte | ert  | <u> </u> | Clarity After:  |          |   | Artifacts: | <u>.                                    </u> |
| Comment    | 5:   |          |                 |          |   |            |  |
| -          |      | ····     | <br>            | <br>     |   |            |  |
| -          |      | <u>.</u> | <br>            | <br>     | · |            |  |
|            |      |          |                 | <br>     |   |            |  |

SW846

EPA SAMPLE NO.

UG/L

## 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

|                      |                 |                                |                  |                            | -1   |
|----------------------|-----------------|--------------------------------|------------------|----------------------------|------|
| Lab Name: MITKEM COR | PORATION        | Contract:                      |                  | (092002<br><u>5 (</u> ひいP) |      |
| Lab Code: MITKEM     | Case No.:       | SAS No.:                       | SDG No.:         | A1383                      |      |
| Matrix: (soil/water) | WATER           | Lab San                        | ple ID: A138     | 3~09A                      |      |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab Fil                        | e ID: V3A6       | 5610                       |      |
| Level: (low/med)     | LOW             | Date Re                        | ceived: 09/2     | 21/02                      |      |
| % Moisture: not dec. |                 | Date An                        | alyzed: 09/3     | 0/02                       |      |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilutic                        | n Factor: 1.     | 0                          |      |
| Soil Extract Volume: | (uL)            | Soil Al                        | iquot Volume     | ::                         | (uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION<br>(ug/L or ug/K |                  | Q                          |      |
|                      |                 |                                | 1<br>1<br>1<br>1 | U<br>U                     |      |

# 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

EPA SAMPLE NO.

RPMWXX092002 PZ OS (PUP) Contract: Lab Name: MITKEM CORPORATION SDG No.: A1383 SAS NO.: Lab Code: MITKEM Case No.: Lab Sample ID: A1383-09C Matrix: (soil/water) WATER 1000 (g/mL) ML Lab File ID: S2C9636 Sample wt/vol: Date Received: 09/21/02 Level: (low/med) LOW Date Extracted:09/23/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/02/02 Dilution Factor: 4.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_ CONCENTRATION UNITS:

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

Q

| 91-20-3Naphthalene               | 540                               |   |
|----------------------------------|-----------------------------------|---|
| 91-57-62-Methylnaphthalene       | 91                                |   |
| 208-96-8Acenaphthylene           | 40                                | <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> |
| 83-32-9Acenaphthene              | 44                                |   |
| 132-64-9Dibenzofuran             | - 40                              | U   |
| 86-73-7Fluorene                  | 22                                | J   |
| 85-01-8Phenanthrene              | - 30                              | J   |
| 120-12-7Anthracene               | - 6                               | J   |
| 206-44-0Fluoranthene             | -<br>-<br>                        | J   |
| 129-00-0Pyrene                   | 13                                | J   |
| 56-55-3Benzo (a) anthracene      | 40                                | ן ט   |
| 218-01-9Chrysene                 | 40                                | U   |
| 205-99-2Benzo (b) fluoranthene   | 40                                | U   |
| 207-08-9Benzo(k) fluoranthene    | - 40                              | υ   |
| 50-32-8Benzo (a) pyrene          | 40                                | υ   |
| 193-39-5Indeno(1,2,3-cd)pyrene   | 40                                | υ   |
| 53-70-3Dibenzo(a,h)anthracene    | 40                                | υ   |
| 191-24-2Benzo (g, h, i) perylene | 40                                | υ   |
| 191-24-2 Damo (9,11,1/per/idae   |                                   |   |
|                                  | • I · · · · · · · · · · · · · · · |   |

FORM I SV-1

# U.S. EPA - CLP

| 1                       |       |
|-------------------------|-------|
| INORGANIC ANALYSIS DATA | SHEET |

XX092002 PZ 05 (DUP) Lab Name: MITKEM\_CORPORATION\_ Contract: SAS No.: SDG No.: Lab Code: MITKEM Case No.: A1383\_\_\_ Matrix (soil/water): WATER\_ Lab Sample ID: A1383-09B\_\_\_\_ Level (low/med): Date Received: 09/21/02\_\_\_\_ MED\_\_\_\_

% Solids:

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

Concentration С Q М CAS No. Analyte NR \_7429-90-5\_ Aluminum\_ NR 7440-36-0\_ Antimony\_ NR Arsenic\_ 7440-38-2\_ NR Barium \_7440-39-3\_ NR \_7440-41-7\_ Beryllium NR 7440-43-9 Cadmium NR Calcium\_ \_7440-70-2\_ 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 Silver\_ \_7440-22-4\_ NR 7440-23-5 Sodium NR \_7440-28-0\_ Thallium NR 7440-62-2 Vanadium\_ Zinc\_ NR \_7440-66-6\_ 26.8 CA Cyanide

| Color Before: | <b></b> | Clarity Before: | <br>Texture:   |         |
|---------------|---------|-----------------|----------------|---------|
| Color After:  |         | Clarity After.  | <br>Artifacts: |         |
| Comments:     |         |                 |                |         |
| - <u>-</u>    |         |                 | <br>           | <u></u> |
|               |         | ······          | <br>           |         |
| <u> </u>      |         |                 | <br>           |         |

FORM I - IN

SW846

EPA SAMPLE NO.

UG/L

#### 1A

VOLATILE ORGANICS ANALYSIS DATA SHEET PZ-06 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1361 Matrix: (soil/water) WATER Lab Sample ID: A1361-01A Sample wt/vol: 5.000 (q/mL) ML Lab File ID: V3A6477 Level: (low/med) LOW Date Received: 09/18/02 Date Analyzed: 09/25/02 % Moisture: not dec. Dilution Factor: 1.0 GC Column: RTX-502.2 ID: 0.53 (mm) Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L CAS NO. COMPOUND Q 71-43-2----Benzene 1 108-88-3-----Toluene 18 100-41-4----Ethylbenzene 1 0 1330-20-7-----Xylene (Total) 220

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PZ-06 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS NO.: SDG No.: A1361 Matrix: (soil/water) WATER Lab Sample ID: A1361-01C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1D1173 Level: (low/med) LOW Date Received: 09/18/02 % Moisture: decanted: (Y/N) Date Extracted:09/18/02 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/30/02 Injection Volume: 1.0(uL) Dilution Factor: 20.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

· · · · - · \_\_\_\_

COMPOUND

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

Q

| <br>J<br>U |
|------------|
| -          |
| -          |
| U          |
|            |
| U          |
| U          |
| U I        |
| υ          |
| σ          |
| σ          |
| ן ט        |
| ט ו        |
| ט דו       |
| U          |
| ן נ        |
| J          |
| υ          |
| J          |
| 1          |
|            |

FORM I SV-1

# U.S. EPA - CLP

| 1                            |
|------------------------------|
| INORGANIC ANALYSIS DATA SHEE |

EPA SAMPLE NO.

|                 |             |           |               |       |            | PZ-      | 06    |
|-----------------|-------------|-----------|---------------|-------|------------|----------|-------|
| Lab Name:       | MITKEM_CORF | ORATION   | <br>Contract: |       |            | L        |       |
| Lab Code:       | MITKEM      | Case No.: | <br>SAS No.   | .:    | <u> </u>   | SDG No.: | A1361 |
| Matrix (soil/wa | ter):       | WATER     |               | Lab S | Sample ID: | A1361-0  | 1B    |
| Level (Iow/med  | l):         | MED       |               | Date  | Received:  | 09/18/02 |       |
| % Solids:       |             |           |               |       |            |          |       |
|                 |             |           |               |       |            | 110/7    |       |

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

\_ \_

- ----

UG/L

ſ

| CAS No.    | Analyte   | Concentration | С | Q             | М   |
|------------|-----------|---------------|---|---------------|-----|
| _7429-90-5 | Aluminum  |               |   |               | NR  |
| _7440-36-0 | Antimony  |               |   |               | NR  |
| 7440-38-2  |           |               |   |               | NR  |
| 7440-39-3  |           |               |   |               | NR  |
| _7440-41-7 | Beryllium |               |   |               | NR  |
|            | -         |               |   |               | NR  |
| 7440-70-2  | Calcium   |               |   |               | INR |
| 7440-47-3  | Chromium  |               |   |               | NR  |
| 7440-48-4  | Cobalt    |               |   |               | INR |
| 7440-50-8  | Copper    |               |   |               | NR  |
| 7439-89-6  | Iron      |               |   |               | NR  |
| 7439-92-1  | Lead      |               |   |               | NR  |
| 7439-95-4  | Magnesium |               |   |               | NR  |
| 7439-96-5  |           |               |   |               | NR  |
| 7439-97-6  |           |               |   |               | NR  |
| 7440-02-0  | Nickel    |               |   |               | NR  |
| 7440-09-7  | Potassium |               |   |               | NR  |
| _7782-49-2 | Selenium  |               |   |               | NR  |
|            | Silver    | <u></u>       |   |               | NR  |
| 7440-23-5  | Sodium    |               |   |               | NR  |
|            | Thallium  |               |   |               | NR  |
| 7440-62-2  | Vanadium  |               |   |               | NR  |
| 7440-66-6  | Zinc      |               |   |               | NR  |
|            | Cyanide   | 340           |   | A + 0 1/2-1-4 | CA  |

| Color Before |  | Clarity Before: |       | Texture:   |  |
|--------------|--|-----------------|-------|------------|--|
| Color After: |  | Clarity After:  | 411-1 | Artifacts: |  |
| Comments:    |  |                 |       |            |  |
|              | <u> </u>                               |                 |       |            |  |
|              | ······································ |                 |       |            |  |
|              |  |                 |       |            |  |

SW846

\_\_\_\_\_

# 1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

|                      |                 |  | · · · · · · · · · · · · · · · · · · · |      |
|----------------------|-----------------|--|---------------------------------------|------|
| Lab Name: MITKEM COR | PORATION        | Contract:                                | GP25GW2024                            |      |
| Lab Code: MITKEM     | Case No.:       | SAS No.: S                               | DG No.: A1103                         |      |
| Matrix: (soil/water) | WATER           | Lab Sample                               | ID: A1103-01A                         |      |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File ID                              | : V4B2482                             | ,    |
| Level: (low/med)     | LOW             | Date Receiv                              | ed: 07/18/02                          |      |
| % Moisture: not dec. | <u> </u>        | Date Analyz                              | ed: 07/22/02                          |      |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution Fac                             | ctor: 1.0                             |      |
| Soil Extract Volume: | (uL)            | Soil Aliquo                              | Volume:                               | (uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION UNI:<br>(ug/L or ug/Kg) UG |                                       |      |
|                      |                 |  | 1 U<br>1 U<br>1 U<br>1 U<br>1 U       |      |

#### 1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

GP25GW2024 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: All03 Matrix: (soil/water) WATER Lab Sample ID: A1103-01B Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1C9938 Level: (low/med) LOW Date Received: 07/18/02 % Moisture: decanted: (Y/N) Date Extracted:07/19/02 Date Analyzed: 07/23/02 Concentrated Extract Volume: 1000 (uL) Injection Volume: 1.0(uL)Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH:

CAS NO. COMPOUND

CONCENTRATION UNITS:

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

Q

| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Fluorene         206-44-0Fluoranthene         129-00-0Phenanthrene         129-00-0 | 10<br>10<br>10<br>10<br>10<br>10<br>10 | <u>a</u> aaaaaaaaa<br>aaaaaaaa |
|--|--|--------------------------------|
| 50-32-8Benzo(a)pyrene  | 10                                     | Ŭ                              |
| 53-70-3Dibenzo(a,h)anthracene<br>191-24-2Benzo(g,h,i)perylene  | 10<br>10                               | U<br>U                         |

FORM I SV-1

| 1A<br>VOLATILE ORGANICS ANALYS   | IS DATA SHEET                                  |
|--|--|
| Lab Name: MITKEM CORPORATION   | GP25GW3640                                     |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1103                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1103-02A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V4B2483                           |
| Level: (low/med) LOW   | Date Received: 07/18/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 07/22/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) |  |

.

## 1B

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CAS NO. COMPOUND

÷.

EPA SAMPLE NO. .

| •                      |                    | GP25GW3640               |
|------------------------|--------------------|--------------------------|
| Lab Name: MITKEM COP   | RPORATION Contrac  |                          |
| Lab Code: MITKEM       | Case No.: SAS No   | D.: SDG No.: A1103       |
| Matrix: (soil/water)   | WATER              | Lab Sample ID: A1103-02B |
| Sample wt/vol:         | 1000 (g/mL) ML     | Lab File ID: S1C9939     |
| Level: (low/med)       | LOW                | Date Received: 07/18/02  |
| <pre>% Moisture:</pre> | decanted: (Y/N)    | Date Extracted:07/19/02  |
| Concentrated Extract   | : Volume: 1000(uL) | Date Analyzed: 07/23/02  |
| Injection Volume:      | 1.0(uL)            | Dilution Factor: 1.0     |
| GPC Cleanup: (Y/N)     | N pH:              |                          |
|                        |                    |                          |

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

Q

| 91-20-3  | Naphthalene            | 10    | υ  |
|----------|------------------------|-------|----|
| 91-57-6  | 2-Methylnaphthalene    | - 10  | ប  |
| 208-96-8 | Acenaphthylene         | - 10  | υ  |
| 83-32-9  | Acenaphthene           | - 10  | ש  |
| 132-64-9 | Dibenzofuran           | -) 10 | ່ບ |
| 86-73-7  | Fluorene               | - 10  | ש  |
| 85-01-8  | Phenanthrene           | - 10  | שו |
| 120-12-7 | Anthracene             | - 10  | U  |
| 206-44-0 | Fluoranthene           | - 10  | ש  |
| 129-00-0 | Pyrene                 | - 10  | שן |
|          | Benzo (a) anthracene   | - 10  | U  |
| 218-01-9 | Chrysene               | 10    | ប  |
| 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  |
|          | Dibenzo(a,h)anthracene | 10    | U  |
| 191-24-2 | Benzo(g,h,i)perylene   | 10    | ט  |
|          |                        |       |    |
|          |                        |       |    |

-

#### 1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GP25GW5256 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1106 Matrix: (soil/water) WATER Lab Sample ID: A1106-01A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V4B2493 Level: (low/med) LOW Date Received: 07/19/02 % Moisture: not dec. Date Analyzed: 07/23/02 GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: \_\_\_\_(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

| 71-43-2Benzene                                  | 1 | U           |
|---|---|-------------|
| 100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 | U<br>U<br>U |
|   |   |             |

FORM I VOA

\_\_\_\_

\_\_\_\_

-

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1

| Lab Name: MITKEM COR   | PORATION Contrac | GP25GW5256               |
|------------------------|------------------|--------------------------|
| help nume. mimusi core |                  |                          |
| Lab Code: MITKEM       | Case No.: SAS No | .: SDG No.: A1106        |
| Matrix: (soil/water)   | WATER            | Lab Sample ID: A1106-01B |
| Sample wt/vol:         | 1000 (g/mL) ML   | Lab File ID: S1C9942     |
| Level: (low/med)       | LOW              | Date Received: 07/19/02  |
| % Moisture:            | decanted: (Y/N)  | Date Extracted:07/19/02  |
| Concentrated Extract   | Volume: 1000(uL) | Date Analyzed: 07/23/02  |
| Injection Volume:      | 1.0(uL)          | Dilution Factor: 1.0     |
| GPC Cleanup: (Y/N)     | N pH:            |                          |
|                        |                  | ENTRATION UNITS:         |
| CAS NO.                | COMPOUND (ug/    | Lorug/Kg)UG/L Q          |

|                                |    | <u> </u> |
|--------------------------------|----|----------|
| 91-20-3Naphthalene             | 10 | U        |
| 91-57-62-Methylnaphthalene     | 10 | υ        |
| 208-96-8Acenaphthylene         | 10 | ប        |
| 83-32-9Acenaphthene            | 10 | U        |
| 132-64-9Dibenzofuran           | 10 | U        |
| 86-73-7Fluorene                | 10 | ប        |
| 85-01-8Phenanthrene            | 10 | U        |
| 120-12-7Anthracene             | 10 | -        |
| 206-44-0Fluoranthene           | 10 | U        |
| 129-00-0Pyrene                 | 10 | ប        |
| 56-55-3Benzo (a) anthracene    | 10 | U        |
| 218-01-9Chrysene               | 10 | U        |
| 205-99-2Benzo(b) fluoranthene  | 10 | U        |
| 207-08-9Benzo(k)fluoranthene   | 10 |          |
| 50-32-8Benzo (a) pyrene        | 10 | -        |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10 | -        |
| 53-70-3Dibenzo(a,h)anthracene  | 10 | -        |
| 191-24-2Benzo(g,h,i)perylene   | 10 | U        |
|                                |    |          |

-- -- -

\_\_ \_

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

\_\_\_\_\_

.. .\_\_\_

EPA SAMPLE NO.

| Lab Name: MITKEM CORPORATION       | GP25GW6064                                     |
|------------------------------------|--|
| Lab Code: MITKEM Case No.:         | SAS No.: SDG No.: A1106                        |
| Matrix: (soil/water) WATER         | Lab Sample ID: A1106-02A                       |
| Sample wt/vol: 5.000 (g/mL) ML     | Lab File ID: V4B2494                           |
| Level: (low/med) LOW               | Date Received: 07/19/02                        |
| * Moisture: not dec.               | Date Analyzed: 07/23/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm) | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)           | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND                   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
|                                    |  |

| 71-43-2Benzene          | 1   | <b>υ</b> |
|-------------------------|-----|----------|
| 108-88-3Toluene         | - 1 | υ        |
| 100-41-4Ethylbenzene    | 1   | ן סן     |
| 1330-20-7Xylene (Total) | - 1 | U        |
|                         |     |          |

۰.

....

1

ł

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CAS NO. COMPOUND

CONCENTRATION UNITS:

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

Q

|                                    |    | <u> </u> |
|------------------------------------|----|----------|
| 91-20-3Naphthalene                 | 10 | ប        |
| 91-57-62-Methylnaphthalene         | 10 | Ū        |
| 208-96-8Acenaphthylene             | 10 | U        |
| 83-32-9Acenaphthene                | 10 | U        |
| 132-64-9Dibenzofuran               | 10 | U        |
| 86-73-7Fluorene                    | 10 | -        |
| 85-01-8Phenanthrene                | 10 | -        |
| 120-12-7Anthracene                 | 10 | ÷        |
| 206-44-0Fluoranthene               | 10 | -        |
| 129-00-0Pyrene                     | 10 | -        |
| 56-55-3Benzo (a) anthracene        | 10 | , e      |
| 218-01-9Chrysene                   | 10 | -        |
| 205-99-2Benzo (b) fluoranthene     | 10 |          |
| 207-08-9Benzo(k)fluoranthene       | 10 | -        |
| 50-32-8Benzo(a)pyrene              | 10 | -        |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 10 | -        |
| 53-70-3Dibenzo(a,h)anthracene      | 10 |          |
| 191-24-2Benzo(g,h,i)perylene       | 10 | U        |
|                                    | i  |          |

. .. . .

1A

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-1

|                      |                 |  | I I                             |    |
|----------------------|-----------------|--|---------------------------------|----|
| Lab Name: MITKEM COR | PORATION        | Contract:                                | RPGP25GW7175                    |    |
| Lab Code: MITKEM     | Case No.:       | SAS No.: SE                              | G No.: A1111                    |    |
| Matrix: (soil/water) | WATER           | Lab Sample I                             | D: A1111-05A                    |    |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File ID:                             | V4B2499                         |    |
| Level: (low/med)     | LOW             | Date Receive                             | d: 07/20/02                     |    |
| % Moisture: not dec. |                 | Date Analyze                             | d: 07/23/02                     |    |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution Fac                             | tor: 1.0                        |    |
| Soil Extract Volume: | (uL)            | Soil Aliquot                             | Volume:(uI                      | L) |
| CAS NO.              | COMPOUND        | CONCENTRATION UNIT<br>(ug/L or ug/Kg) UG |                                 |    |
|                      |                 |  | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |    |

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

- ----

CAS NO.

RPGP25GW7175 Contract: Lab Name: MITKEM CORPORATION Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1111 Lab Sample ID: A1111-05B Matrix: (soil/water) WATER Sample wt/vol: 1000 (g/mL) ML S1C9974 Lab File ID: Date Received: 07/20/02 (low/med) LOW Level: % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:07/22/02 Date Analyzed: 07/24/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

COMPOUND

CONCENTRATION UNITS:

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

Q

| 91-20-3Naphthalene<br>91-57-62-Methylnaphthalene<br>208-96-8Acenaphthylene<br>83-32-9Acenaphthene<br>132-64-9Dibenzofuran  | 10<br>10<br>10<br>10<br>10                   | บ<br>บ<br>บ  |
|--|--|--|
| 86-73-7Fluorene         85-01-8Phenanthrene         120-12-7Phenanthrene         206-44-0Fluoranthene         129-00-0Pyrene         56-55-3Benzo (a) anthracene | 10<br>10<br>10<br>10<br>10<br>10<br>10<br>10 | ם<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ |
| 50-32-8Benzo (a) pyrene<br>193-39-5Indeno (1,2,3-cd) pyrene<br>53-70-3Dibenzo (a,h) anthracene<br>191-24-2Benzo (g,h,i) perylene                                 | 10<br>10<br>10                               | บ<br>บ   |

---

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

| VOLATILE ORGANICS ANALYSI  | S DATA SHEET                                   |
|--|--|
| Lab Name: MITKEM CORPORATION   | Contract:                                      |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1111                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1111-02A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V4B2497                           |
| Level: (low/med) LOW   | Date Received: 07/20/02                        |
| * Moisture: not dec.   | Date Analyzed: 07/23/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>2                         |

•

FORM I VOA

000030

;

\_\_\_\_

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ľ

| Lab Name: MITKEM COR   | PORATION        | Contract:            | RPGP26GW812                           |
|------------------------|-----------------|----------------------|---------------------------------------|
|                        |                 |                      | · · · · · · · · · · · · · · · · · · · |
| Lab Code: MITKEM       | Case No.:       | SAS No.: SDG         | No.: A1111                            |
| Matrix: (soil/water)   | WATER           | Lab Sample ID        | : A1111-02B                           |
| Sample wt/vol:         | 1000 (g/mL) ML  | Lab File ID:         | S1C9971                               |
| Level: (low/med)       | LOW             | Date Received        | : 07/20/02                            |
| <pre>% Moisture:</pre> | decanted: (Y/N) | _ Date Extracted     | 1:07/22/02                            |
| Concentrated Extract   | Volume: 1000(u  | L) Date Analyzed:    | 07/24/02                              |
| Injection Volume:      | 1.0 (uL)        | Dilution Facto       | or: 1.0                               |
| GPC Cleanup: (Y/N)     | N pH:           |                      |                                       |
|                        |                 | CONCENTRATION UNITS: |                                       |
| CAS NO.                | COMPOUND        | (ug/L or ug/Kg) UG/I | r Q                                   |

| 91-20-3Naphthalene             | 10 | υ |
|--------------------------------|----|---|
| 91-57-62-Methylnaphthalene     | 10 | υ |
| 208-96-8Acenaphthylene         | 10 | υ |
| 83-32-9Acenaphthene            | 10 | U |
| 132-64-9Dibenzofuran           | 10 | U |
| 86-73-7Fluorene                | 10 | U |
| 85-01-8Phenanthrene            | 10 | ប |
| 120-12-7Anthracene             | 10 | U |
| 206-44-0Fluoranthene           | 10 | U |
| 129-00-0Pyrene                 | 10 | U |
| 56-55-3Benzo (a) anthracene    | 10 | U |
| 218-01-9Chrysene               | 10 | U |
| 205-99-2Benzo (b) fluoranthene | 10 | U |
| 207-08-9Benzo(k)fluoranthene   | 10 | U |
| 50-32-8Benzo (a) pyrene        | 10 | U |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3Dibenzo(a,h)anthracene  | 10 | U |
| 191-24-2Benzo(g,h,i)perylene   | 10 | U |
|                                |    |   |
|                                |    |   |

FORM I SV-1

-----

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

| VOLATILE ORGANICS ANAL            | YSIS DATA SHEET                                |
|-----------------------------------|--|
| Lab Name: MITKEM CORPORATION      | RPGP26GW2024<br>Contract:                      |
| Lab Code: MITKEM Case No.:        | SAS No.: SDG No.: A1111                        |
| Matrix: (soil/water) WATER        | Lab Sample ID: A1111-03A                       |
| Sample wt/vol: 5.000 (g/mL)       | ML Lab File ID: V4B2498                        |
| Level: (low/med) LOW              | Date Received: 07/20/02                        |
| <pre>% Moisture: not dec</pre>    | Date Analyzed: 07/23/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm | ) Dilution Factor: 1.0                         |
| Soil Extract Volume:(uL)          | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND                  | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene                    | 1 U  |

| 71-43-2Benzene          | 1   | υ |
|-------------------------|-----|---|
| 108-88-3Toluene         | 1   | U |
| 100-41-4Ethylbenzene    | 1   | U |
| 1330-20-7Xylene (Total) | 1 1 | υ |
|                         |     |   |

FORM I VOA

\_\_\_\_\_

100024

EPA SAMPLE NO.

RPGP26GW2024 Lab Name: MITKEM CORPORATION Contract: SAS NO.: Lab Code: MITKEM Case No.: SDG No.: A1111 Lab Sample ID: A1111-03B Matrix: (soil/water) WATER Sample wt/vol: 1000 (q/mL) ML Lab File ID: S1C9972 Level: (low/med) Date Received: 07/20/02 LOW % Moisture: \_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:07/22/02 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/24/02 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) NpH: CONCENTRATION UNITS:

COMPOUND

CAS NO.

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

| ~  |  |
|----|--|
| [] |  |
| -  |  |

|                                | · · · · · · · · · · · · · · · · · · · | <u> </u> |
|--------------------------------|---------------------------------------|----------|
| 91-20-3Naphthalene             | 10                                    | U        |
| 91-57-62-Methylnaphthalene     | 10                                    | U        |
| 208-96-8Acenaphthylene         | 10                                    | U        |
| 83-32-9Acenaphthene            | 10                                    | U        |
| 132-64-9Dibenzofuran           | 10                                    | U        |
| 86-73-7Fluorene                | 10                                    | U        |
| 85-01-8Phenanthrene            | 10                                    | U        |
| 120-12-7Anthracene             | 10                                    | U        |
| 206-44-0Fluoranthene           | 10                                    | U        |
| 129-00-0Pyrene                 | 10                                    | U        |
| 56-55-3Benzo (a) anthracene    | 10                                    | U        |
| 218-01-9Chrysene               | 10                                    | U        |
| 205-99-2Benzo(b)fluoranthene   | 10                                    | U        |
| 207-08-9Benzo(k)fluoranthene   | 10                                    | U        |
| 50-32-8Benzo(a)pyrene          | 10                                    | U        |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10                                    | U        |
| 53-70-3Dibenzo(a,h)anthracene  | 10                                    | U        |
| 191-24-2Benzo(g,h,i)perylene   | 10                                    | U        |
|                                |                                       |          |

1A

- -----

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-1

,

-----

\_\_\_\_\_

1

| Lab Name: MITKEM CORPORATION   | Contract:                                      |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1111                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1111-04A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V4B2500                           |
| Level: (low/med) LOW   | Date Received: 07/20/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 07/23/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>1 U<br>1 U<br>1 U         |

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

- ----

EPA SAMPLE NO.

|                        |                      |             | RPGP26GW3640        |
|------------------------|----------------------|-------------|---------------------|
| Lab Name: MITKEM COR   | PORATION             | Contract:   |                     |
| Lab Code: MITKEM       | Case No.:            | SAS No.:    | SDG No.: A1111      |
| Matrix: (soil/water)   | WATER                | Lab Sa      | ample ID: A1111-04B |
| Sample wt/vol:         | 1000 (g/mL) ML       | Lab Fi      | ile ID: S1C9973     |
| Level: (low/med)       | LOW                  | Date F      | Received: 07/20/02  |
| <pre>% Moisture:</pre> | decanted: $(Y/N)_{}$ | Date H      | xtracted:07/22/02   |
| Concentrated Extract   | Volume: 1000(        | uL) Date A  | analyzed: 07/24/02  |
| Injection Volume:      | 1.0(uL)              | Diluti      | on Factor: 1.0      |
| GPC Cleanup: (Y/N)     | N pH:                |             |                     |
|                        |                      | CONCURATION |                     |

CAS NO. COMPOUND

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

| - |
|---|
|   |

| 91-20-3Naphthalene             | 10                  |     |
|--------------------------------|---------------------|-----|
|                                |                     | 1 - |
| 91-57-62-Methylnaphthalene     | 10                  | 1 - |
| 208-96-8Acenaphthylene         | 10                  | U   |
| 83-32-9Acenaphthene            | 10                  | U   |
| 132-64-9Dibenzofuran           | 10                  | U   |
| 86-73-7Fluorene                | 10                  | U   |
| 85-01-8Phenanthrene            | 10                  | U   |
| 120-12-7Anthracene             | 10                  | U   |
| 206-44-0Fluoranthene           | 10                  | U   |
| 129-00-0Pyrene                 | 10                  | U   |
| 56-55-3Benzo(a)anthracene      | 10                  | U   |
| 218-01-9Chrysene               | 10                  | U   |
| 205-99-2Benzo(b)fluoranthene   | 10                  | υ   |
| 207-08-9Benzo(k)fluoranthene   | 10                  | U   |
| 50-32-8Benzo (a) pyrene        | 10                  | U   |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10                  | U   |
| 53-70-3Dibenzo(a,h)anthracene  | 10                  | U   |
| 191-24-2Benzo(g,h,i)perylene   | 10                  | U   |
|                                |                     |     |
|                                | · · · · · / · / · / |     |

FORM I SV-1

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

\_\_\_\_\_

|                      | CIGHTED HELLIDI |                                 | I                        |          |       |
|----------------------|-----------------|---------------------------------|--------------------------|----------|-------|
| Lab Name: MITKEM COR | PORATION        | Contract:                       | RPG                      | P27GW812 |       |
| Lab Code: MITKEM     | Case No.:       | SAS No.:                        | SDG No.: A               | 41118    |       |
| Matrix: (soil/water) | WATER           | Lab Samp                        | le ID: All18             | 3-01A    |       |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File                        | ID: V4B2                 | 510      |       |
| Level: (low/med)     | LOW             | Date Rec                        | eived: 07/23             | 3/02     |       |
| % Moisture: not dec. | <del></del>     | Date Ana                        | lyzed: 07/24             | 1/02     |       |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution                        | Factor: 40               | . 0      |       |
| Soil Extract Volume: | (uL)            | Soil Ali                        | quot Volume:             | :        | _(uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION<br>(ug/L or ug/Kg |                          | Q        |       |
|                      |                 |                                 | 3400<br>40<br>770<br>100 | Ū        |       |

\_ -

-

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RPGP27GW81 Lab Name: MITKEM CORPORATION Contract: SDG No.: A1118 Lab Code: MITKEM Case No.: SAS No.: Matrix: (soil/water) WATER Lab Sample ID: A1118-01B 1000 (g/mL) ML Lab File ID: Sample wt/vol: S1D0045 Level: (low/med) Date Received: 07/23/02 LOW % Moisture: \_\_\_\_\_ decanted: (Y/N) Date Extracted:07/23/02 Date Analyzed: 07/26/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO. CO

COMPOUND

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

Q

|   | A CONTRACTOR OF |  |
|---|---|--|
| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Phenanthrene         120-12-7Anthracene         206-44-0Fluoranthene         129-00-0Pyrene         56-55-3Benzo (a) anthracene         218-01-9Benzo (b) fluoranthene         205-99-2Benzo (k) fluoranthene         207-08-9Benzo (a) pyrene | 79<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10  | U<br>U<br>J<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U |
| 205-99-2Benzo(b)fluoranthene<br>207-08-9Benzo(k)fluoranthene  | 10  | Ū  |
| 50-32-8Benzo (a) pyrene<br>193-39-5Indeno (1, 2, 3-cd) pyrene<br>53-70-3Dibenzo (a, h) anthracene<br>191-24-2Benzo (g, h, i) perylene   | 10<br>10  | บ<br>บ   |
| еристраниееристраниееристраниееристраниееристраниееристраниееристраниееристраниееристраниееристрание  | 10  | U  |

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

----

.

-----

\_\_\_\_

EPA SAMPLE NO.

L.

. .

| Lab Name: MITKEM COR            | POPATTON        | Contract:                    |          | RPGP27GW2024            |       |
|---------------------------------|-----------------|------------------------------|----------|-------------------------|-------|
| has hand. Himme con             | PORTION         | concrace.                    | I        |                         | _ I   |
| Lab Code: MITKEM                | Case No.:       | SAS No.:                     | SDG      | No.: A1118              |       |
| Matrix: (soil/water)            | WATER           | Lab Sa                       | mple ID: | A1118-02A               |       |
| Sample wt/vol:                  | 5.000 (g/mL) ML | Lab Fi                       | le ID:   | V4B2511                 |       |
| Level: (low/med)                | LOW             | Date R                       | eceived: | 07/23/02                |       |
| <pre>% Moisture: not dec.</pre> |                 | Date A                       | nalyzed: | 07/24/02                |       |
| GC Column: RTX-502.2            | ID: 0.53 (mm)   | Diluti                       | on Facto | r: 10.0                 |       |
| Soil Extract Volume:            | (uL)            | Soil A                       | liquot V | olume:                  | _(uL) |
| CAS NO.                         | COMPOUND        | CONCENTRATIO<br>(ug/L or ug/ |          | Q                       |       |
|                                 |                 |                              |          | 580<br>10 U<br>13<br>11 |       |

# 1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Ţ

| Lab Name: MITKEM COR   | PORATION          | Contract:          | RPGP27GW2024 |
|------------------------|-------------------|--------------------|--------------|
| Lab Code: MITKEM (     | Case No.:         | SAS No.: SDG       | NO.: A1118   |
| Matrix: (soil/water)   | WATER             | Lab Sample ID:     | A1118-02B    |
| Sample wt/vol:         | 1000 (g/mL) ML    | Lab File ID:       | S1D0046      |
| Level: (low/med)       | LOW               | Date Received:     | 07/23/02     |
| <pre>% Moisture:</pre> | decanted: $(Y/N)$ | Date Extracted     | :07/23/02    |
| Concentrated Extract   | Volume: 1000(u    | uL) Date Analyzed: | 07/26/02     |
| Injection Volume:      | 1.0 (uL)          | Dilution Factor    | r: 1.0       |
| GPC Cleanup: (Y/N)     | N рн:             |                    |              |

CAS NO. C

· COMPOUND

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

Q

|                                | T    | T1  |
|--------------------------------|------|-----|
| 91-20-3Naphthalene             | . 63 |     |
| 91-57-62-Methylnaphthalene     | 10   | U   |
| 208-96-8Acenaphthylene         | 10   | ט ו |
| 83-32-9Acenaphthene            | 3    | J   |
| 132-64-9Dibenzofuran           | 10   | U J |
| 86-73-7Fluorene                | 10   | U I |
| 85-01-8Phenanthrene            | 10   | U   |
| 120-12-7Anthracene             | 10   | U   |
| 206-44-0Fluoranthene           | 10   | U   |
| 129-00-0Pyrene                 | 10   | U   |
| 56-55-3Benzo (a) anthracene    | 10   | υ   |
| 218-01-9Chrysene               | 10   | U   |
| 205-99-2Benzo(b) fluoranthene  | 10   | U   |
| 207-08-9Benzo(k)fluoranthene   | 10   | U   |
| 50-32-8Benzo(a)pyrene          | 10   | U   |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10   | U   |
| 53-70-3Dibenzo(a,h)anthracene  | 10   | U   |
| 191-24-2Benzo(g,h,i)perylene   | 10   | U   |
|                                |      |     |
|                                |      |     |

## 1A

EPA SAMPLE NO.

\_\_\_\_\_

-1

|          | -        |          |      |       |
|----------|----------|----------|------|-------|
| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |

------

.

| Lab Name: MITKEM CORF                        | ORATION         | Contract:                              | RPGP27GW3640                  |     |
|--|-----------------|--|-------------------------------|-----|
| Lab Code: MITKEM (                           | ase No.:        | SAS No.:                               | SDG No.: All18                |     |
| Matrix: (soil/water)                         | WATER           | Lab Sample                             | ID: A1118-03A                 |     |
| Sample wt/vol:                               | 5.000 (g/mL) ML | Lab File II                            | D: V4B2528                    |     |
| Level: (low/med)                             | LOW             | Date Receiv                            | red: 07/23/02                 |     |
| % Moisture: not dec.                         |                 | Date Analyz                            | zed: 07/25/02                 |     |
| GC Column: RTX-502.2                         | ID: 0.53 (mm)   | Dilution Fa                            | actor: 1.0                    |     |
| Soil Extract Volume:_                        | (uL)            | Soil Alique                            | ot Volume:(u                  | uL) |
| CAS NO.                                      | COMPOUND        | CONCENTRATION UNI<br>(ug/L or ug/Kg) [ |                               |     |
| 71-43-2<br>108-88-3<br>100-41-4<br>1330-20-7 |                 |  | 2<br>1 U<br>1 U<br>1 U<br>1 U |     |

FORM I VOA

EPA SAMPLE NO.

1

| Lab Name: MITKEM CO    | RPORATION            | Contract:          | RPGP27GW3640 |
|------------------------|----------------------|--------------------|--------------|
| Lab Code: MITKEM       | Case No.:            | SAS No.: SDO       | NO.: A1118   |
| Matrix: (soil/water)   | WATER                | Lab Sample II      | : A1118-03B  |
| Sample wt/vol:         | 1000 (g/mL) ML       | Lab File ID:       | S1D0047      |
| Level: (low/med)       | LOW                  | Date Received      | : 07/23/02   |
| <pre>% Moisture:</pre> | decanted: $(Y/N)_{}$ | Date Extracte      | d:07/23/02   |
| Concentrated Extract   | Volume: 1000(        | (uL) Date Analyzed | : 07/26/02   |
| Injection Volume:      | 1.0 (uL)             | Dilution Fact      | or: 1.0      |
| GPC Cleanup: (Y/N)     | N рн:                | -                  |              |

CAS NO.

COMPOUND

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

Q

|                                | r                                      |     |
|--------------------------------|--|-----|
| 01 20 2 Northalana             | 10                                     |     |
| 91-20-3Naphthalene             | 10                                     | -   |
| 91-57-62-Methylnaphthalene     | 10                                     | טן  |
| 208-96-8Acenaphthylene         | 10                                     | U   |
| 83-32-9Acenaphthene            | 10                                     | U   |
| 132-64-9Dibenzofuran           | 10                                     | U   |
| 86-73-7Fluorene                | 10                                     | U   |
| 85-01-8Phenanthrene            | 10                                     | U   |
| 120-12-7Anthracene             | 10                                     | U   |
| 206-44-0Fluoranthene           | 10                                     | U   |
| 129-00-0Pyrene                 | 10                                     | U   |
| 56-55-3Benzo(a)anthracene      | 10                                     | U   |
| 218-01-9Chrysene               | 10                                     | U   |
| 205-99-2Benzo(b)fluoranthene   | 10                                     | U   |
| 207-08-9Benzo(k)fluoranthene   | 10                                     | U   |
| 50-32-8Benzo(a)pyrene          | 10                                     | U I |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10                                     | ט   |
| 53-70-3Dibenzo(a,h)anthracene  | 10                                     | υ   |
| 191-24-2Benzo(g,h,i)perylene   | 10                                     | ע   |
|                                |  |     |
|                                | ······································ |     |

\_\_\_\_ .

000084

\_\_\_\_

EPA SAMPLE NO.

| Lab Name: MITKEM CORPORATION  | RPGP27GW5256                                   |
|---|--|
| Lab Code: MITKEM Case No.:  | SAS No.: SDG No.: A1120                        |
| Matrix: (soil/water) WATER  | Lab Sample ID: A1120-01A                       |
| Sample wt/vol: 5.000 (g/mL) MI  | Lab File ID: V4B2520                           |
| Level: (low/med) LOW  | Date Received: 07/24/02                        |
| <pre>% Moisture: not dec</pre>  | Date Analyzed: 07/24/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)  | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)  | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND  | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total |  |

•

•

•

#### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPGP27GW5256 Lab Name: MITKEM CORPORATION Contract: SDG No.: A1120 Lab Code: MITKEM Case No.: SAS No.: Lab Sample ID: A1120-01B Matrix: (soil/water) WATER Lab File ID: S1D0105 Sample wt/vol: 1000 (g/mL) ML Date Received: 07/24/02 Level: (low/med) LOW Date Extracted:07/25/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 07/29/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO.

COMPOUND

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

Q

|          |                        | 10  |    |
|----------|------------------------|-----|----|
| 91-20-3  | Naphthalene            | 10  | -  |
| 91-57-6  | 2-Methylnaphthalene    | 10  | -  |
| 208-96-8 | Acenaphthylene         | 10  | U  |
| 200~200  | Acenaphthene           | 10  | U  |
| 122 64 0 | Dibenzofuran           | 10  | U  |
|          |                        | 10- | U  |
| 86-73-7  |                        | 10  | -  |
| 85-01-8  | Phenanthrene           | 10  |    |
| 120-12-7 | Anthracene             |     | -  |
| 206-44-0 | Fluoranthene           | 10  |    |
| 129-00-0 | Pyrene                 |     | UJ |
| 56-55-3  | Benzo(a)anthracene     | 10  | 1  |
| 218-01-9 |                        | 10  | U  |
| 210-01 2 | Benzo(b) fluoranthene  | 10  | U  |
| 203-33-2 | Benzo (k) fluoranthene | 10  | U  |
| 207-08-9 |                        | 10  | U  |
| 50-32-8  | Benzo (a) pyrene       | 10  | U. |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 10  | -  |
| 53-70-3  | Dibenzo(a,h)anthracene | 10  | _  |
| 191-24-2 | Benzo(g,h,i)perylene   | 10  | 0  |
|          |                        |     |    |

| VOLATILE                        | 1A<br>ORGANICS ANALYSI | IS DATA SHEET                            | EPA SAMPLE NO.                      |
|---------------------------------|------------------------|--|-------------------------------------|
| Lab Name: MITKEM CORI           | PORATION               | Contract:                                | RPGPXX0723021<br>RPGPZ7GW5Z56 (DYP) |
| Lab Code: MITKEM                | Case No.:              | SAS No.: SI                              | G No.: A1120                        |
| Matrix: (soil/water)            | WATER                  | Lab Sample 1                             | D: A1120-03A                        |
| Sample wt/vol:                  | 5.000 (g/mL) ML        | Lab File ID:                             | V4B2522                             |
| Level: (low/med)                | LOW                    | Date Receive                             | ed: 07/24/02                        |
| <pre>% Moisture: not dec.</pre> |                        | Date Analyze                             | d: 07/25/02                         |
| GC Column: RTX-502.2            | ID: 0.53 (mm)          | Dilution Fac                             | tor: 1.0                            |
| Soil Extract Volume:            | (uL)                   | Soil Aliquot                             | Volume:(uL)                         |
| CAS NO.                         | COMPOUND               | CONCENTRATION UNIT<br>(ug/L or ug/Kg) UG |                                     |
|                                 |                        |  | 1 U<br>1 U<br>1 U<br>1 U<br>1 U     |

\_\_\_\_

-

\_\_\_\_

EPA SAMPLE NO.

1

| Lab Name: MITKEM COR   | PORATION          | Contract:         | RPGPXX0723021<br>RPGPZ76w5256 (WP) |
|------------------------|-------------------|-------------------|------------------------------------|
| Lab Code: MITKEM       | Case No.:         | SAS NO.: SD       | G No.: A1120                       |
| Matrix: (soil/water)   | WATER             | Lab Sample II     | D: A1120-03B                       |
| Sample wt/vol:         | 1000 (g/mL) ML    | Lab File ID:      | S1D0107                            |
| Level: (low/med)       | LOW               | Date Received     | 1: 07/24/02                        |
| <pre>% Moisture:</pre> | decanted: $(Y/N)$ | Date Extracte     | ed:07/25/02                        |
| Concentrated Extract   | Volume: 1000(     | uL) Date Analyzed | 1: 07/29/02                        |
| Injection Volume:      | 1.0(uL)           | Dilution Fact     | cor: 1.0                           |
| GPC Cleanup: (Y/N)     | N рН:             |                   |                                    |

CAS NO. COMI

COMPOUND

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

Q

|                                    | 1  |          |
|------------------------------------|----|----------|
| 91-20-3Naphthalene                 | 10 | υ        |
| 91-57-62-Methylnaphthalene         | 10 | U        |
| 208-96-8Acenaphthylene             | 10 | U        |
| 83-32-9Acenaphthene                | 10 | U        |
| 132-64-9Dibenzofuran               | 10 | U        |
| 86-73-7Fluorene                    | 10 | U        |
| 85-01-8Phenanthrene                | 10 | U        |
| 120-12-7Anthracene                 | 10 | U        |
| 206-44-0Fluoranthene               | 10 | U        |
| 129-00-0Pyrene                     | 10 | υJ       |
| 56-55-3Benzo (a) anthracene        | 10 | υÌ       |
| 218-01-9Chrysene                   | 10 | U        |
| 205-99-2Benzo (b) fluoranthene     | 10 | U U      |
| 207-08-9Benzo(k)fluoranthene       | 10 | U        |
| 50-32-8Benzo (a) pyrene            | 10 | υ        |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 10 | <b>υ</b> |
| 53-70-3Dibenzo(a,h)anthracene      | 10 | υ        |
| 191-24-2Benzo(g,h,i)perylene       | 10 | ע        |
|                                    |    |          |
|                                    | •  |          |

|          | -        | LA       |      |       |  |
|----------|----------|----------|------|-------|--|
| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |  |

-----

EPA SAMPLE NO.

| VOLATILE ORGANICS ANALIS.  | IS DATA SHEET                                  |
|--|--|
| Lab Name: MITKEM CORPORATION   | Contract:                                      |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1120                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1120-02A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V4B2521                           |
| Level: (low/med) LOW   | Date Received: 07/24/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 07/25/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>1 U<br>1 U<br>1 U         |

\_\_\_\_

EPA SAMPLE NO.

|                      |                   | -                 |                                       |
|----------------------|-------------------|-------------------|---------------------------------------|
| Lab Name: MITKEM COR | PORATION          | Contract:         | RPGP27GW7175                          |
|                      |                   |                   | · · · · · · · · · · · · · · · · · · · |
| Lab Code: MITKEM     | Case No.:         | SAS No.: SDG      | No.: A1120                            |
| Matrix: (soil/water) | WATER             | Lab Sample ID:    | A1120-02B                             |
| Sample wt/vol:       | 1000 (g/mL) ML    | Lab File ID:      | S1D0106                               |
| Level: (low/med)     | LOW               | Date Received:    | 07/24/02                              |
| % Moisture:          | decanted: $(Y/N)$ | Date Extracted    | :07/25/02                             |
| Concentrated Extract | Volume: 1000(u    | L) Date Analyzed: | 07/29/02                              |
| Injection Volume:    | 1.0(uL)           | Dilution Facto    | r: 1.0                                |
| GPC Cleanup: (Y/N)   | N pH:             |                   |                                       |

CAS NO.

COMPOUND

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

Q

|                                |    | T   |
|--------------------------------|----|-----|
| 91-20-3Naphthalene             | 10 | υ   |
| 91-57-62-Methylnaphthalene     | 10 |     |
| 208-96-8Acenaphthylene         | 10 | U   |
| 83-32-9Acenaphthene            | 10 | U   |
| 132-64-9Dibenzofuran           | 10 | U   |
| 86-73-7Fluorene                | 10 | U   |
| 85-01-8Phenanthrene            | 10 | U   |
| 120-12-7Anthracene             | 10 | U   |
| 206-44-0Fluoranthene           | 10 | U   |
| 129-00-0Pyrene                 | 10 | UT  |
| 56-55-3Benzo (a) anthracene    | 10 | υ   |
| 218-01-9Chrysene               | 10 | U U |
| 205-99-2Benzo (b) fluoranthene | 10 | ט   |
| 207-08-9Benzo(k)fluoranthene   | 10 | U   |
| 50-32-8Benzo (a) pyrene        | 10 | υ΄  |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10 | υ   |
| 53-70-3Dibenzo(a,h)anthracene  | 10 | ע ( |
| 191-24-2Benzo(g,h,i)perylene   | 10 | U   |
|                                |    |     |
|                                |    |     |

\_\_\_\_ \_ \_ \_ \_ \_

- - - - -

1330-20-7-----Xylene (Total)

1 0

RPGP28AGW812 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1128 Matrix: (soil/water) WATER Lab Sample ID: A1128-01A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V4B2531 Level: (low/med) LOW Date Received: 07/25/02 % Moisture: not dec. Date Analyzed: 07/25/02 GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 71-43-2----Benzene 1 U 108-88-3----Toluene 1 U 100-41-4----Ethylbenzene 1 U

EPA SAMPLE NO.

RPGP28AGW812 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1128 Matrix: (soil/water) WATER Lab Sample ID: Al128-01B Sample wt/vol: 500.0 (g/mL) ML Lab File ID: S1D0131 Level: (low/med) LOW Date Received: 07/25/02 % Moisture: decanted: (Y/N) Date Extracted:07/25/02 Concentrated Extract Volume: 500 (uL) Date Analyzed: 07/30/02 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N рн: \_\_\_\_ CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L CAS NO. COMPOUND Q

|                                | 1  | r        |
|--------------------------------|----|----------|
| 91-20-3Naphthalene             | 10 | υ        |
| 91-57-62-Methylnaphthalene     | 10 | U        |
| 208-96-8Acenaphthylene         | 10 | U.       |
| 83-32-9Acenaphthene            | 10 | U        |
| 132-64-9Dibenzofuran           | 10 | U        |
| 86-73-7Fluorene                | 10 | U        |
| 85-01-8Phenanthrene            | 10 | U        |
| 120-12-7Anthracene             | 10 | U        |
| 206-44-0Fluoranthene           | 10 | U        |
| 129-00-0Pyrene                 | 10 | U        |
| 56-55-3Benzo (a) anthracene    | 10 | U        |
| 218-01-9Chrysene               | 10 | U        |
| 205-99-2Benzo (b) fluoranthene | 10 | U        |
| 207-08-9Benzo(k)fluoranthene   | 10 | U        |
| 50-32-8Benzo (a) pyrene        | 10 | υ        |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10 | υ        |
| 53-70-3Dibenzo(a,h)anthracene  | 10 | υ        |
| 191-24-2Benzo(g,h,i)perylene   | 10 | <b>ບ</b> |
|                                |    | [        |
|                                |    |          |

FORM I SV-1

|                 |           | INOR      | 1<br>INORGANIC ANALYSIS I |           | SHEET          | EPA SAMPLE NO. |       |
|-----------------|-----------|-----------|---------------------------|-----------|----------------|----------------|-------|
| Lab Name:       | MITKEM_CO | RPORATION |                           | Contract: |                | RPGP28A(       | GW812 |
| Lab Code:       | MITKEM    | Case No.: |                           | SAS No.:  |                | SDG No.:       | A1128 |
| Matrix (soil/wa | ater):    | WATER_    |                           |           | Lab Sample ID: | A1128-         | 01B   |
| Level (low/med  | d):       | MED       |                           |           | Date Received: | 07/25/0        | 2     |
| % Solids:       |           |           |                           |           |                |                |       |

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

| CAS No.    | Analyte   | Concentration | C | Q | м           |
|------------|-----------|---------------|---|---|-------------|
| _7429-90-5 | Aluminum  |               |   |   | NR          |
| _7440-36-0 | Antimony  |               |   |   | NR          |
| 7440-38-2  | Arsenic   |               |   |   | NR          |
| _7440-39-3 | Barium    |               |   |   | NR          |
| _7440-41-7 | Beryllium |               |   |   | LNR         |
| 7440-43-9  | Cadmium   |               |   |   | <u>I</u> 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      |               |   |   | <b>NR</b>   |
| 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          |
|            | Cyanide   | 4670          | T |   | CA          |

| Color Before: | <br>Clarity Before: |  | Texture:   |  |
|---------------|---------------------|--|------------|--|
| Color After:  | <br>Clarity After:  |  | Artifacts: |  |
| Comments:     |                     |  |            |  |
|               | <br>                | ······································ |            |  |
|               | <br>                |  |            |  |

FORM I - IN

\_ . . . \_ . . .

. .....

UG/L

| 1A<br>VOLATILE ORGANICS ANALYSIS   | EPA SAMPLE NO.                               |                                 |
|--|--|---------------------------------|
| Lab Name: MITKEM CORPORATION   | Contract:                                    | RPGP28AGW2428                   |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG                                 | No.: A1128                      |
| Matrix: (soil/water) WATER   | Lab Sample ID:                               | A1128-02A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID:                                 | V4B2532                         |
| Level: (low/med) LOW   | Date Received:                               | 07/25/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed:                               | 07/25/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Facto                               | or: 1.0                         |
| Soil Extract Volume:(uL)   | Soil Aliquot V                               | 'olume:(uL)                     |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L |                                 |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) |  | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |

---

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPGP28AGW2428 Contract: Lab Name: MITKEM CORPORATION SDG No.: A1128 Case No.: SAS No.: Lab Code: MITKEM Lab Sample ID: A1128-02B Matrix: (soil/water) WATER Sample wt/vol: 500.0 (g/mL) ML Lab File ID: S1D0129 Date Received: 07/25/02 Level: (low/med) LOW % Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_ Date Extracted:07/25/02 Date Analyzed: 07/30/02 Concentrated Extract Volume: 500 (uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) рН: \_\_\_\_ GPC Cleanup: (Y/N) N

CAS NO. COMPOUND

CONCENTRATION UNITS:

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

Q

|                                | }  | r  |
|--------------------------------|----|----|
| 91-20-3Naphthalene             | 10 | U  |
| 91-57-62-Methylnaphthalene     | 10 | ט  |
| 208-96-8Acenaphthylene         | 10 | U  |
| 83-32-9Acenaphthene            | 10 | U  |
| 132-64-9Dibenzofuran           | 10 | U  |
| 86-73-7Fluorene                | 10 | υ  |
| 85-01-8Phenanthrene            | 10 | lυ |
| 120-12-7Anthracene             | 10 | υ  |
| 206-44-0Fluoranthene           | 10 | 1  |
|                                | 10 | Ū  |
| 129-00-0Pyrene                 | 10 |    |
| 56-55-3Benzo(a)anthracene      | 10 | -  |
| 218-01-9Chrysene               | 10 |    |
| 205-99-2Benzo(b)fluoranthene   |    | -  |
| 207-08-9Benzo(k)fluoranthene   |    | -  |
| 50-32-8Benzo(a)pyrene          | 10 | -  |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10 | -  |
| 53-70-3Dibenzo(a,h)anthracene  | 10 | -  |
| 191-24-2Benzo(g,h,i)perylene   | 10 | ט  |
|                                |    |    |

FORM I SV-1

— ··

|                 |           | INORGANIC A | I<br>NALYSIS DATA SHEET | EPA SAMPLE NO. |
|-----------------|-----------|-------------|-------------------------|----------------|
| Lab Name:       | MITKEM_CO | RPORATION   | Contract:               | RPGP28AGW2428  |
| Lab Code:       | MITKEM    | Case No.:   | SAS No.:                | SDG No.: A1128 |
| Matrix (soil/wa | ater):    | WATER_      | Lab Sample ID:          | AI128-02B      |
| Level (low/me   | d):       | MED         | Date Received:          | 07/25/02       |
| % Solids:       |           | <u></u>     |                         |                |

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

----

Concentration С Q Μ CAS No. Analyte NR \_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 Cadmium .7440-43-9\_ NR \_7440-70-2. Calcium. NR Chromium\_ \_7440-47-3\_ NR \_7440-48-4\_ Cobalt\_ NR Copper\_\_\_ \_7440-50-8\_ NR Iron\_ \_7439-89-6\_ NR Lead\_ \_7439-92-1\_ NR Magnesium \_7439-95-4\_ NR Manganese \_7439-96-5\_ NR Mercury\_ \_7439-97-6\_ NR Nickel\_ \_7440-02-0\_ NR Potassium. 7440-09-7 NR Selenium \_7782-49-2\_ NR Silver\_ \_7440-22-4\_ NR 7440-23-5 Sodium\_ NR Thallium\_ \_7440-28-0\_ NR Vanadium 7440-62-2 NR \_7440-66-6\_ \_Zinc\_ CA 40.7\_\_\_\_ Cyanide\_

| Color Before: | <br>Clarity Before: | <br>Texture:   |  |
|---------------|---------------------|----------------|--|
| Color A fter: | <br>Clarity After:  | <br>Artifacts: |  |
| Comments:     |                     |                |  |
|               |                     |                |  |
|               | <br>                | <br>           |  |

SW846

UG/L

#### 1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

\_\_\_\_

RPGP28AGW3640

| Lab Name: MITKEM CORPORATION   | Contract:                                      |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1128                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1128-03A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V4B2533                           |
| Level: (low/med) LOW   | Date Received: 07/25/02                        |
| % Moisture: not dec.   | Date Analyzed: 07/25/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>1 U<br>1 U<br>1 U         |

FORM I VOA

EPA SAMPLE NO.

RPGP28AGW3640 Lab Name: MITKEM CORPORATION Contract: SDG No.: A1128 Lab Code: MITKEM Case No.: SAS No.: Matrix: (soil/water) WATER Lab Sample ID: A1128-03B Lab File ID: Sample wt/vol: 500.0 (g/mL) ML S1D0130 Date Received: 07/25/02 Level: (low/med) LOW % Moisture: decanted: (Y/N) Date Extracted:07/25/02 Concentrated Extract Volume: 500(uL) Date Analyzed: 07/30/02 Injection Volume: Dilution Factor: 1.0 1.0(uL)GPC Cleanup: (Y/N) Nрн: \_\_\_\_ CONCENTRATION UNITS:

CAS NO. COMPOUND

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

Q

| 91-20-3Naphthalene             | 10   | ],, |
|--------------------------------|------|-----|
|                                | -1 - | 1 - |
| 91-57-62-Methylnaphthalene     | _ 10 | -   |
| 208-96-8Acenaphthylene         | _ 10 | -   |
| 83-32-9Acenaphthene            | 10   | ע   |
| 132-64-9Dibenzofuran           | 10   | U   |
| 86-73-7Fluorene                | 10   | U   |
| 85-01-8Phenanthrene            | 10   |     |
| 120-12-7Anthracene             | 10   | U   |
| 206-44-0Fluoranthene           | 10   | U   |
| 129-00-0Pyrene                 | 10   | U   |
| 56-55-3Benzo(a)anthracene      | 10   | U   |
| 218-01-9Chrysene               | 10   | U   |
| 205-99-2Benzo(b)fluoranthene   | 10   | U   |
| 207-08-9Benzo(k)fluoranthene   | 10   | U   |
| 50-32-8Benzo(a)pyrene          | 10   | U   |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10   | U   |
| 53-70-3Dibenzo(a,h)anthracene  | 10   | U   |
| 191-24-2Benzo(g,h,i)perylene   | 10   | U   |
|                                |      |     |
|                                | · ·  |     |

FORM I SV-1

|                  |              | 1<br>INORGANIC ANALYSIS DATA SHEET |  | EPA SAMPLE NO. |          |         |          |       |
|------------------|--------------|------------------------------------|--|----------------|----------|---------|----------|-------|
| Lab Name:        | MITKEM_CORPO | DRATION                            |  | Contract:      |          |         | RPGP28AG | W3640 |
| Lab Code:        | MITKEM       | Case No.:                          |  | SAS No.        | ÷        |         | SDG No.: | A1128 |
| Matrix (soil/wat | er):         | WATER_                             |  |                | Lab Sam  | ple ID: | A1128-0  | 3B    |
| Level (low/med)  | ):           | MED                                |  |                | Date Rec | ceived: | 07/25/02 |       |

% Solids:

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

Concentration С Q Μ CAS No. Analyte NR \_7429-90-5 Aluminum NR \_7440-36-0\_ Antimony\_ NR \_7440-38-2\_ Arsenic NR Barium\_ \_7440-39-3\_ NR \_7440-41-7\_ Beryllium NR Cadmium 7440-43-9\_ NR \_7440-70-2\_ Calcium\_ NR \_7440-47-3\_ Chromium\_ NR \_7440-48-4\_ Cobalt\_ NR Copper\_ \_7440-50-8\_ NR \_7439-89-6\_ Iron NR Lead\_ \_7439-92-1 NR \_7439-95-4\_ Magnesium NR 7439-96-5\_ Manganese NR \_7439-97-6\_ Mercury NR Nickel\_ \_7440-02-0\_ NR \_7440-09-7\_ Potassium NR Selenium \_7782-49-2\_ NR Silver \_7440-22-4\_ NR \_7440-23-5\_ \_Sodium\_ NR \_7440-28-0\_ Thallium Vanadium NR 7440-62-2 NR Zinc\_ \_7440-66-6\_  $\mathcal{J}$ CA \_36.8\_ Cyanide

| Color Before: | ·      | Clarity Before: | <br>Texture:   | <del></del> |
|---------------|--------|-----------------|----------------|-------------|
| Color After:  |        | Clarity After:  | <br>Artifacts: | ·           |
| Comments:     |        |                 |                |             |
|               |        |                 |                | ·           |
|               | ······ |                 |                |             |

FORM I - IN

SW846

UG/L

| LA<br>VOLATILE ORGANICS ANALYSIS   | DATA SHEET                                     |
|--|--|
| Lab Name: MITKEM CORPORATION Co  | RPGP28AGW5256                                  |
| Lab Code: MITKEM Case No.: S   | AS No.: SDG No.: A1132                         |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1132-01A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V4B2623                           |
| Level: (low/med) LOW   | Date Received: 07/26/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 08/01/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>28<br>93<br>220                         |

FORM I VOA

OLM03.0

000101

EPA SAMPLE NO.

COMPOUND

CAS NO.

-- --

RPGP28AGW5256 Lab Name: MITKEM CORPORATION Contract: SAS No.: Lab Code: MITKEM Case No.: SDG No.: A1132 Matrix: (soil/water) WATER Lab Sample ID: A1132-01C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3B8826 Level: (low/med) LOW Date Received: 07/26/02 % Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_ Date Extracted:07/29/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/06/02 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CONCENTRATION UNITS:

(uq/L or uq/Kq) UG/L

0

|                                | ····· | <u> </u> |
|--------------------------------|-------|----------|
| 91-20-3Naphthalene             | 10    | U        |
| 91-57-62-Methylnaphthalene     | 10    | U        |
| 208-96-8Acenaphthylene         | 10    | U        |
| 83-32-9Acenaphthene            | 10    | U        |
| 132-64-9Dibenzofuran           | 10    | U        |
| 86-73-7Fluorene                | 10    | ប        |
| 85-01-8Phenanthrene            | 10    | U        |
| 120-12-7Anthracene             | 10    | U        |
| 206-44-0Fluoranthene           | 10    | U        |
| 129-00-0Pyrene                 | 10    | U        |
| 56-55-3Benzo(a)anthracene      | 10    | U        |
| 218-01-9Chrysene               | 10    | U        |
| 205-99-2Benzo(b) fluoranthene  | 10    | υ        |
| 207-08-9Benzo(k)fluoranthene   | 10    | υ        |
| 50-32-8Benzo (a) pyrene        | 10    | U        |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10    | U I      |
| 53-70-3Dibenzo(a,h)anthracene  | 10    | <b>ប</b> |
| 191-24-2Benzo(g,h,i)perylene   | 10    | ប        |
|                                |       |          |
|                                |       |          |

| 1               |                |
|-----------------|----------------|
| INORGANIC ANALY | SIS DATA SHEET |

| INORGANIC ANALISIS DATA SHEET |             |           | ORLEI      |           |                |          |       |
|-------------------------------|-------------|-----------|------------|-----------|----------------|----------|-------|
| Lab Name:                     | MITKEM_CORP | ORATION   | _ <b>.</b> | Contract: |                | RPGP28AG | W5256 |
| Lab Code:                     | MITKEM      | Case No.: |            | SAS No.   | :              | SDG No.: | A1132 |
| Matrix (soil/wa               | ter):       | WATER_    |            |           | Lab Sample ID: | A1132-(  | )1B   |
| Level (low/med                | ):          | MED       |            |           | Date Received: | 07/26/02 | 2     |
| % Solids:                     |             |           |            |           |                |          |       |

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

UG/L

EPA SAMPLE NO.

\_

| CAS No.    | Analyte   | Concentration | C  | Q        | М     |
|------------|-----------|---------------|----|----------|-------|
| _7429-90-5 | Aluminum  |               |    |          |       |
| _7440-36-0 |           |               |    |          | NR    |
| 7440-38-2  |           |               |    |          | NR    |
| 7440-39-3  |           |               |    | <u> </u> | NR    |
| 7440-41-7  |           |               |    | <u> </u> | NR    |
| 7440-43-9  | -         |               |    |          | NR    |
| 7440-70-2  | Calcium   |               |    |          | NR    |
| _7440-47-3 | Chromium  |               |    | <u>.</u> | NR    |
| _7440-48-4 | Cobalt    |               |    |          | NR    |
| 7440-50-8  | Copper    |               |    |          | NR    |
| _7439-89-6 | Iron      |               |    |          | NR    |
| _7439-92-1 | Lead      |               |    | <u> </u> | NR    |
| _7439-95-4 | Magnesium |               |    | <u> </u> | NR    |
| _7439-96-5 | Manganese |               |    |          | NR    |
| _7439-97-6 | Mercury   |               |    |          | NR    |
| 7440-02-0  |           |               |    |          | NR    |
| 7440-09-7  | Potassium |               |    | L        | NR    |
| _7782-49-2 | Selenium  |               |    |          | $\NR$ |
| 7440-22-4  | Silver    |               | _  |          | NR    |
| _7440-23-5 | Sodium    |               |    |          | NR    |
| _7440-28-0 |           | 1             |    |          | NR    |
| 7440-62-2  | Vanadium  |               |    |          | NR    |
|            | Zinc      |               |    |          | NR    |
|            | Cyanide   | 12.5          | B_ | T        | CA    |

| Color Before: | <br>Clarity Before: | <br>Texture:   | <u>.                                    </u> |
|---------------|---------------------|----------------|--|
| Color After:  | <br>Clarity After:  | <br>Artifacts: | ·  |
| Comments:     |                     |                |  |
|               |                     |                |  |
|               | <br>                |                |  |

SW846

(1)(691

EPA SAMPLE NO.

| 101411-101           |                 |  | 1                               |
|----------------------|-----------------|--|---------------------------------|
| Lab Name: MITKEM COP | PORATION        | Contract:                                  | RPGP28AGW7175                   |
| Lab Code: MITKEM     | Case No.:       | SAS No.: SDG                               | No.: A1132                      |
| Matrix: (soil/water) | WATER           | Lab Sample II                              | ): A1132-02A                    |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File ID:                               | V4B2624                         |
| Level: (low/med)     | LOW             | Date Received                              | l: 07/26/02                     |
| * Moisture: not dec. |                 | Date Analyzed                              | l: 08/01/02                     |
| GC Column: RTX-502.2 | 2 ID: 0.53 (mm) | Dilution Fact                              | or: 1.0                         |
| Soil Extract Volume: | :(uL)           | Soil Aliquot                               | Volume:(uL)                     |
| CAS NO.              | COMPOUND        | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/ |                                 |
|                      |                 |  | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |

EPA SAMPLE NO.

\_\_\_\_\_

CAS NO. COMPOUND

-- --

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEFT

|                        |                  |           |                | RPGP28AGW7175 |
|------------------------|------------------|-----------|----------------|---------------|
| Lab Name: MITKEM COR   | PORATION         | Contract: | )              |               |
| Lab Code: MITKEM       | Case No.:        | SAS NO.:  | SDG 1          | No.: A1132    |
| Matrix: (soil/water)   | WATER            | Lā        | ab Sample ID:  | A1132-02C     |
| Sample wt/vol:         | 1000 (g/mL) ML   | La        | ab File 1D:    | S3B8827       |
| Level: (low/med)       | TOM              | Da        | ate Received:  | 07/26/02      |
| <pre>% Moisture:</pre> | decanted: (Y/N)_ | Da        | ate Extracted; | :07/29/02     |
| Concentrated Extract   | Volume: 1000(    | uL) Da    | ate Analyzed:  | 08/06/02      |
| Injection Volume:      | 1.0 (uL)         | Di        | ilution Factor | c: 1.0        |
| GPC Cleanup: (Y/N)     | N pH:            |           |                |               |

CONCENTRATION UNITS:

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

Q

|                                | - <u> </u> | T |
|--------------------------------|------------|---|
| 91-20-3Naphthalene             | 10         | U |
| 91-57-62-Methylnaphthalene     |            | U |
| 208-96-8Acenaphthylene         | 10         | U |
| 83-32-9Acenaphthene            | 10         | U |
| 132-64-9Dibenzofuran           |            | U |
| 86-73-7Fluorene                | 10         | ប |
| 85-01-8Phenanthrene            | 10         | U |
| 120-12-7Anthracene             | - 10       | ט |
| 206-44-0Fluoranthene           |            | U |
| 129-00-0Pyrene                 |            | U |
| 56-55-3Benzo (a) anthracene    | 10         | U |
| 218-01-9Chrysene               | 10         | U |
| 205-99-2Benzo(b) fluoranthene  | 10         | U |
| 207-08-9Benzo(k)fluoranthene   |            | ប |
| 50-32-8Benzo (a) pyrene        |            | U |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10         | U |
| 53-70-3Dibenzo(a,h)anthracene  |            | U |
| 191-24-2Benzo(g,h,i)perylene   | - 10       | U |
|                                |            |   |
|                                | · 1        |   |

|           | 1        |      |       |
|-----------|----------|------|-------|
| INORGANIC | ANALYSIS | DATA | SHEET |

|                 |           | INO       | I<br>INORGANIC ANALYSIS DATA SHEET |           | EPA SAMPLE NO. |          |        |
|-----------------|-----------|-----------|------------------------------------|-----------|----------------|----------|--------|
| Lab Name:       | MITKEM_CO | RPORATION | <u></u>                            | Contract: |                | RPGP28AC | 3W7175 |
| Lab Code:       | MITKEM    | Case No.: |                                    | SAS No    | .:             | SDG No.: | A1132  |
| Matrix (soil/wa | ater):    | WATER_    |                                    |           | Lab Sample ID: | A1132-   | 02B    |
| Level (low/me   | d):       | MED       |                                    |           | Date Received: | 07/26/0  | 2      |
| % Solids:       |           |           |                                    |           |                |          |        |

\_\_\_\_\_

T ٦

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

\_\_\_\_

UG/L

| CAS No.    | Analyte   | Concentration | С  | Q           | М      |
|------------|-----------|---------------|----|-------------|--------|
| _7429-90-5 | Aluminum  |               |    |             | NR     |
| 7440-36-0  | Antimony  |               |    |             | NR     |
| 7440-38-2  |           |               |    |             | 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      |               |    | <b>_</b>    | NR     |
| _7439-92-1 | Lead      |               |    |             | NR     |
| 7439-95-4  | Magnesium |               |    |             | NR     |
| 7439-96-5  | -         |               |    |             | NR     |
| 7439-97-6  |           |               |    | <u> </u>    | 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    |               |    | <del></del> | $\_NR$ |
| 7440-28-0  | Thallium  |               |    |             | NR     |
| 7440-62-2  | Vanadium  |               |    | <u>.</u>    | $_NR$  |
| 7440-66-6  | Zinc      |               |    |             | NR     |
|            | Cyanide   | 14.7          | BJ |             | CA     |

| Color Before: | <br>Clarity Before: |  | Texture:   | <u> </u> |
|---------------|---------------------|--|------------|----------|
| Color After:  | <br>Clarity After:  |  | Artifacts: | <u> </u> |
| Comments:     |                     |  |            |          |
|               |                     |  |            | t        |
|               | <br>                | ······································ |            |          |

SW846

(h)(°692

\_ .....

- . \_\_\_\_\_

. . ....

| Lab Name: MITKEM CORPORA                        | ATION (               | Contract:                      |             | RPMW-01S                        |      |
|---|-----------------------|--------------------------------|-------------|---------------------------------|------|
| Lab Code: MITKEM Case                           | e No.:                | SAS No.:                       | SDG No.     | : A1383                         |      |
| Matrix: (soil/water) WAI                        | ER                    | Lab Sar                        | mple ID: Al | L383-05A                        |      |
| Sample wt/vol: 5.0                              | )00 (g/mL) ML         | Lab Fil                        | Le ID: V3   | BA6611                          |      |
| Level: (low/med) LOW                            | I                     | Date Re                        | eceived: 09 | /21/02                          |      |
| <pre>% Moisture: not dec</pre>                  |                       | Date Ar                        | alyzed: 09  | /30/02                          |      |
| GC Column: RTX-502.2 ID:                        | 0.53 (mm)             | Dilutio                        | on Factor:  | 1.0                             |      |
| Soil Extract Volume:                            | (uL)                  | Soil Al                        | iquot Volu  | me:                             | (uL) |
| CAS NO. C                                       | OMPOUND               | CONCENTRATION<br>(ug/L or ug/H |             | Q                               |      |
| 71-43-2B<br>108-88-3<br>100-41-4E<br>1330-20-7X | oluene<br>thylbenzene |                                |             | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |      |

....

\_ .. ..

EPA SAMPLE NO.

RPMW-01S Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS NO.: SDG No.: A1383 Matrix: (soil/water) WATER Lab Sample ID: A1383-05C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2C9500 Date Received: 09/21/02 Level: (low/med) LOW % Moisture: decanted: (Y/N) Date Extracted:09/23/02 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/27/02 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO.

COMPOUND

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

Q

| of oo o                        | 1   |   |
|--------------------------------|-----|---|
| 91-20-3Naphthalene             | 10  |   |
| 91-57-62-Methylnaphthalene     | 1.0 | U |
| 208-96-8Acenaphthylene         | 10  | U |
| 83-32-9Acenaphthene            | 10  | U |
| 132-64-9Dibenzofuran           | 10  | ប |
| 86-73-7Fluorene                | 10  | U |
| 85-01-8Phenanthrene            | 10  | υ |
| 120-12-7Anthracene             | 10  | U |
| 206-44-0Fluoranthene           | 10  | U |
| 129-00-0Pyrene                 | 10  | ប |
| 56-55-3Benzo (a) anthracene    | 10  | U |
| 218-01-9Chrysene               | 10  | U |
| 205-99-2Benzo (b) fluoranthene | 10  | U |
| 207-08-9Benzo(k)fluoranthene   | 10  | U |
| 50-32-8Benzo (a) pyrene        | 10  | U |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10  | U |
| 53-70-3Dibenzo(a,h)anthracene  | 10  | U |
| 191-24-2Benzo(g,h,i)perylene   | 10  | U |
|                                |     |   |
|                                |     |   |

FORM I SV-1

| 1                            |
|------------------------------|
| NORGANIC ANALYSIS DATA SHEET |

MITKEM\_CORPORATION\_\_\_\_\_ Contract: Lab Name: SAS No.: Lab Code: MITKEM Case No.: \_ Matrix (soil/water): WATER\_ Date Received: 09/21/02\_\_\_\_ Level (low/med): MED\_\_\_\_

% Solids:

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

| CAS No.    | Analyte   | Concentration | С | Q | М  |
|------------|-----------|---------------|---|---|----|
| _7429-90-5 | Aluminum  |               |   |   |    |
| 7440-36-0  | Antimony  |               |   |   | NR |
| _7440-38-2 | Arsenic   |               |   |   | NR |
| 7440-39-3  | Barium    |               |   |   | NR |
| 7440-41-7  |           |               |   |   | NR |
| 7440-43-9  | Cadmium   |               |   |   | NR |
| 7440-70-2  | Calcium   |               |   |   | NR |
| 7440-47-3  | Chromium  |               | · |   | NR |
|            | Cobalt    |               |   |   | NR |
| 7440-50-8  | Copper    |               |   |   | NR |
| 7439-89-6  | Iron      |               |   |   | NR |
| 7439-92-1  |           |               |   |   | 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  | Thailium  |               |   |   | NR |
| 7440-62-2  | Vanadium  |               |   |   | NR |
| 7440-66-6  | Zinc      |               |   |   |    |
|            | Cyanide   |               |   |   | CA |

| Color Before:            | <br>Clarity Before: | <u> </u> | Texture:   |  |
|--------------------------|---------------------|----------|------------|--|
| Color Aft <del>er:</del> | <br>Clarity After:  |          | Artifacts: |  |
| Comments:                |                     |          |            |  |
|                          |                     |          |            |  |
|                          |                     |          |            |  |
|                          |                     | · · · ·  |            |  |
|                          | <br>                |          |            |  |

,

SW846

|                | RPMW     | -015  |
|----------------|----------|-------|
| :              | SDG No.: | A1383 |
| Lab Sample ID: | A1383-   | 05B   |

\_\_\_\_\_

EPA SAMPLE NO.

UG/L

, i

EPA SAMPLE NO.

Т

|   |   | RPMW-011                        |      |
|---|---|---------------------------------|------|
| Lab Name: MITKEM CORPORATION  | Contract:                                     |                                 |      |
| Lab Code: MITKEM Case No.:  | SAS No.: SDG                                  | No.: A1398                      |      |
| Matrix: (soil/water) WATER  | Lab Sample ID:                                | A1398-06A                       |      |
| Sample wt/vol: 5.000 (g/mL) ML  | Lab File ID:                                  | V3A6739                         |      |
| Level: (low/med) LOW  | Date Received:                                | 09/25/02                        |      |
| % Moisture: not dec.  | Date Analyzed:                                | 10/04/02                        |      |
| GC Column: RTX-502.2 ID: 0.53 (mm)  | Dilution Facto                                | or: 1.0                         |      |
| Soil Extract Volume:(uL)  | Soil Aliquot V                                | Volume:                         | (uL) |
| CAS NO. COMPOUND  | CONCENTRATION UNITS:<br>'(ug/L or ug/Kg) UG/I | Q Q                             |      |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total |   | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |      |

EPA SAMPLE NO.

RPMW-01I Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1409 Matrix: (soil/water) WATER Lab Sample ID: A1409-06A Sample wt/vol: 1000 (q/mL) ML Lab File ID: S1D1276 Level: (low/med) LOW Date Received: 09/26/02 % Moisture: decanted: (Y/N) Date Extracted: 10/02/02 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/04/02 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO.

COMPOUND

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

Q

|                                | J  | Ţ        |
|--------------------------------|----|----------|
| 91-20-3Naphthalene             | 10 | υ        |
| 91-57-62-Methylnaphthalene     | 10 | U U      |
| 208-96-8Acenaphthylene         | 7  | J        |
| 83-32-9Acenaphthene            | 14 |          |
| 132-64-9Dibenzofuran           | 10 | <u> </u> |
| 86-73-7Fluorene                | 10 | U        |
| 85-01-8Phenanthrene            | 10 | U        |
| 120-12-7Anthracene             | 10 | U        |
| 206-44-0Fluoranthene           | 10 | U        |
| 129-00-0Pyrene                 | 10 | U        |
| 56-55-3Benzo (a) anthracene    | 10 | υ        |
| 218-01-9Chrysene               | 10 | <b>U</b> |
| 205-99-2Benzo (b) fluoranthene | 10 | υ        |
| 207-08-9Benzo(k)fluoranthene   | 10 | ט        |
| 50-32-8Benzo(a)pyrene          | 10 | υ (      |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10 | <b>U</b> |
| 53-70-3Dibenzo(a,h)anthracene  | 10 | U        |
| 191-24-2Benzo(g,h,i)perylene   | 10 | υ        |
|                                |    |          |

FORM I SV-1

|           | 1        |      |       |
|-----------|----------|------|-------|
| INORGANIC | ANALYSIS | DATA | SHEET |

Lab Name: MITKEM\_CORPORATION\_ Contract: SAS No.: Lab Code: Case No.: MITKEM Lab Sample ID: A1383-04A\_\_\_\_\_ Matrix (soil/water): WATER\_ Date Received: 09/21/02\_\_\_\_ Level (low/med): MED\_\_\_\_

% Solids:

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

Concentration С Q Μ CAS No. Analyte NR 7429-90-5 Aluminum NR 7440-36-0\_ Antimony\_ NR 7440-38-2\_ Arsenic\_ NR Barium\_ \_7440-39-3\_ NR Beryllium \_7440-41-7\_ NR 7440-43-9 Cadmium\_ NR \_7440-70-2\_ Calcium NR Chromium \_7440-47-3\_ NR Cobalt\_ \_7440-48-4\_ NR 7440-50-8\_ Copper\_\_ NR .7439-89-6\_ Iron\_ NR Lead\_ \_7439-92-1\_ NR \_7439-95-4\_ Magnesium NR 7439-96-5\_ Manganese\_ NR \_7439-97-6\_ Mercury\_ NR Nickel\_ \_7440-02-0\_ NR Potassium \_7440-09-7\_ NR Selenium 7782-49-2 NR Silver\_ 7440-22-4\_ NR \_7440-23-5\_ Sodium \_7440-28-0\_ Thallium\_ NR NR Vanadium 7440-62-2 NR Zinc\_ 7440-66-6\_ B CA \_8.0\_ Cyanide\_ Tanhum

| Color Before | ····     | Clarity Belore: | <u> </u> | lexime.    |          |
|--------------|----------|-----------------|----------|------------|----------|
| Color After: |          | Clarity After:  |          | Artifacts: | <u> </u> |
| Comments:    |          |                 |          |            |          |
|              |          |                 |          |            |          |
|              | <u> </u> |                 |          | ······     | <u>-</u> |
| —            |          |                 | <u></u>  |            |          |

SW846

UG/L

| <br>RPMW     | -011  |
|--------------|-------|
| <br>SDG No.: | A1383 |

EPA SAMPLE NO.

| VOLATILE              | 1A<br>ORGANICS ANALYSI | S DATA SHEET   | EPA SAMPLE NO. |
|-----------------------|------------------------|----------------|----------------|
| Lab Name: MITKEM CORI | PORATION               | Contract:      | RPMW-02S       |
| Lab Code: MITKEM      | Case No.:              | SAS No.: SDG   | No.: A1398     |
| Matrix: (soil/water)  | WATER                  | Lab Sample ID: | : A1398-01A    |
| Sample wt/vol:        | 5.000 (g/mL) ML        | Lab File ID:   | V3A6710        |
| Level: (low/med)      | LOW                    | Date Received: | 09/25/02       |
| % Moisture: not dec.  | <u> </u>               | Date Analyzed: | 10/03/02       |
| GC Column: RTX-502.2  | ID: 0.53 (mm)          | Dilution Facto | or: 10.0       |
| Soil Extract Volume:  | (uL)                   | Soil Aliquot V | Volume:(uL)    |

COMPOUND CAS NO.

· · · ·

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

| 100-41-4Ethylbenzene       100         1330-20-7Xylene (Total)       23 |
|---|
|---|

FORM I VOA

------

#### EPA SAMPLE NO.

1BSEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-02S

| Lab Name: MITKEM CORI  | PORATION Contr   | ract:                    |
|------------------------|------------------|--------------------------|
| Lab Code: MITKEM (     | Case No.: SAS    | NO.: SDG NO.: A1398      |
| Matrix: (soil/water)   | WATER            | Lab Sample ID: A1398-01H |
| Sample wt/vol:         | 1000 (g/mL) ML   | Lab File ID: S1D1179     |
| Level: (low/med)       | LOW              | Date Received: 09/25/02  |
| <pre>% Moisture:</pre> | decanted: (Y/N)  | Date Extracted:09/25/02  |
| Concentrated Extract   | Volume: 1000(uL) | Date Analyzed: 09/30/02  |
| Injection Volume:      | 1.0 (uL)         | Dilution Factor: 1.0     |
| GPC Cleanup: (Y/N)     | N pH:            |                          |
|                        | <u>~</u>         | NCENTRATION INTES.       |

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene       440       E         91-57-62-Methylnaphthalene       20         208-96-8Acenaphthylene       6       J         83-32-9Acenaphthene       190       E         132-64-9Dibenzofuran       8       J         86-73-7Fluorene       91  |                                |     |     |
|--|--------------------------------|-----|-----|
| 91-57-62-Methylnaphthalene       20         208-96-8Acenaphthylene       6         83-32-9Acenaphthene       190         132-64-9Dibenzofuran       8         86-73-7Fluorene       91         120-12-7Anthracene       91         120-12-7Anthracene       91         206-44-0Fluoranthene       9         129-00-0Pyrene       10         218-01-9Chrysene       10         205-99-2Benzo (b) fluoranthene       10         207-08-9Benzo (k) fluoranthene       10         193-39-5   | 91-20-3Naphthalene             | 440 | E   |
| 208-96-8Acenaphthylene   | 91-57-62-Methylnaphthalene     | 20  |     |
| 83-32-9Acenaphthene       190       E         132-64-9Dibenzofuran       8       J         86-73-7Fluorene       56       91         120-12-7Anthracene       91       11         206-44-0Fluoranthene       9       J         129-00-0Pyrene       10       0         56-55-3Benzo (a) anthracene       10       0         218-01-9Chrysene       10       0         205-99-2Benzo (b) fluoranthene       10       0         207-08-9Benzo (k) fluoranthene       10       0         50-32-8Benzo (a) pyrene       10       0         193-39-5Indeno (1, 2, 3-cd) pyrene       10       0         53-70-3Dibenzo (a, h) anthracene       10       0   | 208-96-8Acenaphthylene         | 6   | J   |
| 132-64-9Dibenzofuran       8         86-73-7Fluorene       56         85-01-8Fluorene       91         120-12-7Anthracene       91         120-00-0Fluoranthene       9         129-00-0Fluoranthene       9         129-00-0Fluoranthene       9         129-00-0Fluoranthene       10         218-01-9   | 83-32-9Acenaphthene            | 190 | E   |
| 86-73-7Fluorene  | 132-64-9Dibenzofuran           | -   |     |
| 85-01-8Phenanthrene       91         120-12-7Anthracene       11         206-44-0Fluoranthene       9         129-00-0Fluoranthene       9         129-00-0Pyrene       10         218-01-9Chrysene       10         205-99-2Benzo (b) fluoranthene       10         207-08-9Benzo (k) fluoranthene       10         50-32-8Benzo (a) pyrene       10         193-39-5Indeno (1, 2, 3-cd) pyrene       10         103-39-5Dibenzo (a, h) anthracene       10   | 86-73-7Fluorene                |     |     |
| 120-12-7Anthracene       11         206-44-0Fluoranthene       9         129-00-0Fluoranthene       10         218-01-9Pyrene       10         205-99-2Benzo (a) anthracene       10         207-08-9Benzo (b) fluoranthene       10         10       10         10       10         10       10         11       10         11       10         11       10         11       9         11       9         11       9         11       9         11       9         11       9         11       10         11       10         11       10         11       10         11       10         10       10         10       10         10       10         10       10         11       10         11       10         11       10         10       10         10       10         10       10         10       10         10 </td <td></td> <td>91</td> <td></td> |                                | 91  |     |
| 206-44-0Fluoranthene       9         129-00-0Pyrene       10         56-55-3Pyrene       10         218-01-9Benzo (a) anthracene       10         205-99-2Benzo (b) fluoranthene       10         207-08-9Benzo (k) fluoranthene       10         50-32-8Benzo (a) pyrene       10         193-39-5Indeno (1, 2, 3-cd) pyrene       10         53-70-3Dibenzo (a, h) anthracene       10   |                                | 11  |     |
| 129-00-0Pyrene       10         56-55-3Benzo (a) anthracene       10         218-01-9Chrysene       10         205-99-2Benzo (b) fluoranthene       10         207-08-9Benzo (b) fluoranthene       10         10       10         207-08-9Benzo (k) fluoranthene       10         10       10   |                                | -   | J   |
| 56-55-3Benzo (a) anthracene       10 U         218-01-9Chrysene       10 U         205-99-2Benzo (b) fluoranthene       10 U         207-08-9Benzo (b) fluoranthene       10 U         50-32-8Benzo (a) pyrene       10 U         193-39-5Indeno (1, 2, 3-cd) pyrene       10 U         53-70-3Dibenzo (a, h) anthracene       10 U  |                                |     |     |
| 218-01-9Chrysene       10 U         205-99-2Benzo (b) fluoranthene       10 U         207-08-9Benzo (k) fluoranthene       10 U         50-32-8Benzo (a) pyrene       10 U         193-39-5Indeno (1, 2, 3-cd) pyrene       10 U         53-70-3Dibenzo (a, h) anthracene       10 U   | 56-55-3Benzo (a) anthracene    |     | -   |
| 205-99-2Benzo (b) fluoranthene       10 U         207-08-9Benzo (k) fluoranthene       10 U         50-32-8Benzo (a) pyrene       10 U         193-39-5Indeno (1, 2, 3-cd) pyrene       10 U         53-70-3Dibenzo (a, h) anthracene       10 U   | 218-01-9Chrysene               | 10  | U   |
| 207-08-9Benzo (k) fluoranthene       10 U         50-32-8Benzo (a) pyrene       10 U         193-39-5Indeno (1, 2, 3-cd) pyrene       10 U         53-70-3Dibenzo (a, h) anthracene       10 U   | 205-99-2Benzo (b) fluoranthene | 10  | ט   |
| 50-32-8Benzo (a) pyrene       10 U         193-39-5Indeno (1, 2, 3-cd) pyrene       10 U         53-70-3Dibenzo (a, h) anthracene       10 U   | 207-08-9Benzo(k)fluoranthene   | 10  | U U |
| 193-39-5Indeno(1,2,3-cd)pyrene 10 U<br>53-70-3Dibenzo(a,h)anthracene 10 U  | 50-32-8Benzo (a) pyrene        | 10  | U [ |
| 53-70-3Dibenzo(a,h)anthracene 10/U   | 193-39-5Indeno(1,2,3-cd)pyrene | 10  | U [ |
| 191-24-2Benzo(g,h,i)perylene 10 U  | 53-70-3Dibenzo(a,h)anthracene  | 10  | U   |
|  | 191-24-2Benzo(q,h,i)perylene   | 10  | U U |
|  |                                |     |     |

000180

.. .

\_\_\_\_ .\_\_ .....

### 1 INORGANIC ANALYSIS DATA SHEET

| Lab Name:      | міткем со | RPORATION | Contract:    |               | RPMW     | -02S  |
|----------------|-----------|-----------|--------------|---------------|----------|-------|
|                |           |           |              |               |          |       |
| Lab Code:      | MITKEM    | Case No.: | <br>SAS No.: |               | SDG No.: | A1398 |
| Matrix (soil/w | ater):    | WATER_    | L            | ab Sample ID: | A1398-   | 01E   |
| Level (low/me  | :d):      | MED       | D            | ate Received: | 09/25/0  | 2     |
| % Solids:      |           | ·         |              |               |          |       |

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

UG/L

Г

EPA SAMPLE NO.

| CAS No.    | Analyte   | Concentration                         | С | Q | М    |
|------------|-----------|---------------------------------------|---|---|------|
| _7429-90-5 | Aluminum  |                                       |   |   | NR   |
| _7440-36-0 | Antimony  |                                       |   |   | NR   |
| _7440-38-2 |           |                                       |   |   | 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  |           |                                       |   |   | P    |
| 7439-92-1  | Lead      |                                       |   |   | NR   |
| 7439-95-4  | Magnesium |                                       |   |   | NR   |
| 7439-96-5  |           |                                       |   | E | P    |
| 7439-97-6  |           |                                       |   |   | 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   |
|            | Cyanide   |                                       |   |   |      |

| Color Before:        |                                       | Clarity Before: |  | Texture:   |   |
|----------------------|---------------------------------------|-----------------|--|------------|---|
| Color After:         |                                       | Clarity After:  |  | Artifacts: |   |
| Comments:<br>TOTAL_M | IETALS_FOR_SAMPI                      | LE_RPMW-02S     |  |            |   |
|                      | · · · · · · · · · · · · · · · · · · · |                 | ······································ |            | , |

SW846

000415

|           | 1        |      |       |
|-----------|----------|------|-------|
| INORGANIC | ANALYSIS | DATA | SHEET |

|                  |              | mone      |               |       |           | RPMW-    | 025   |
|------------------|--------------|-----------|---------------|-------|-----------|----------|-------|
| Lab Name:        | MITKEM_CORPO | ORATION   | <br>Contract: |       |           |          |       |
| Lab Code:        | MITKEM       | Case No.: | <br>SAS No.   | o.:   |           | SDG No.: | A1398 |
| Matrix (soil/wat | ter):        | WATER_    |               | Lab S | ample ID: | A1398-0  | 01F   |
| Level (low/med   | ):           | MED       |               | Date  | Received: | 09/25/02 |       |
|                  |              |           |               |       |           |          |       |

% Solids:

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

С Q Μ Concentration CAS No. Analyte NR 7429-90-5 Aluminum NR Antimony\_ \_7440-36-0\_ NR \_7440-38-2\_ Arsenic\_ NR 7440-39-3\_ Barium\_ NR 7440-41-7.\_ Beryllium NR Cadmium\_ \_7440-43-9\_ NR Calcium \_7440-70-2\_ NR Chromium\_ \_7440-47-3\_ NR Cobalt\_ \_7440-48-4\_ NR Copper\_ \_7440-50-8\_ **P\_** 293 7439-89-6. Iron. NR Lead 7439-92-1 NR Magnesium \_7439-95-4\_ 75.1\_ Ε\_ Р \_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 Silver\_ 7440-22-4 NR \_7440-23-5\_ Sodium NR Thallium\_ \_7440-28-0\_ NR \_7440-62-2\_ Vanadium\_ NR \_7440-66-6\_ Zinc\_ NR Cyanide ....

| Color Before:       |                  | Clarity Before:                        |   | Texture:   |  |
|---------------------|------------------|--|---|------------|--|
| Color After:        |                  | Clarity After:                         | a | Artifacts: |  |
| Comments:<br>DISSOL | VED_METALS_FOR_S | AMPLE_RPMW-02S                         |   |            |  |
|                     |                  | ······································ |   |            |  |

SW846

000416

UG/L

EPA SAMPLE NO.

# **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-02SLab ID:A1398-01

## Project: Keyspan Collection Date: 09/24/02 9:10 Matrix: AQUEOUS

| Analyses                       | Result     | Qual     | Limit        | Units  |      | DF | Date Analyzed  |
|--------------------------------|------------|----------|--------------|--------|------|----|----------------|
| NTROGEN (NITRATE) BY AUTOMAT   | ED CD REDI | J E353.2 | NO3          |        |      |    |                |
| Nitrate-N                      | ND         |          | 0.050        | mg/L   |      | 1  | 09/25/02 14:54 |
| ALKALINITY BY TITRATION METHOD | )          | SM2320   | _w           |        |      |    |                |
| Alkalinity, Total (As CaCO3)   | 420        |          | 20           | mg/L C | aCO3 | 1  | 09/25/02 12:00 |
| ERROUS IRON BY PHENANTHROL     |            | ) SM3500 | D FE2 W      | 1      |      |    |                |
| Ferric Iron – Dissolved        | ND         | _        | 100          | mg/L   |      | 10 | 09/25/02 11:10 |
| Ferric Iron                    | ND         |          | 100          | mg/L   |      | 10 | 09/25/02 11:10 |
| ERROUS IRON BY PHENANTHROLI    | NE METHOD  | SM3500   | D_FE3_W      | 1      |      |    |                |
| Ferrous Iron Dissolved         | ND         |          | 100          | mg/L   | υT   | 10 | 09/25/02 11:10 |
| Ferrous Iron                   | ND         |          | 100          | mg/L   | us   | 10 | 09/25/02 11:10 |
| SULFATE BY TURBIDIMETRIC METH  | OD         | SM4500   | _SO4_W       |        |      |    |                |
| Sulfate                        | 40         |          | 14           | mg/L   |      | 2  | 09/26/02 13:47 |
| TOTAL CYANIDE                  |            | SW9012   | 2 <b>B_W</b> |        |      |    |                |
| Cyanide                        | 0.066      |          | 0.020        | mg/L   |      | 1  | 09/30/02 14:00 |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

**DF** - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

### 1A

- - - --

. .

--- - -

-----

EPA SAMPLE NO.

1

| Lab Name: MITKEM COR | PORATION        | Contract:                       |          | RPMW-02I                   |       |
|----------------------|-----------------|---------------------------------|----------|----------------------------|-------|
| Lab Code: MITKEM     | Case No.:       | SAS No.:                        | SDG 1    | No.: A1390                 | I     |
| Matrix: (soil/water) | WATER           | Lab Sam                         | ple ID:  | A1390-09A                  |       |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab Filo                        | e ID:    | V3A6676                    |       |
| Level: (low/med)     | LOW             | Date Ree                        | ceived:  | 09/24/02                   |       |
| * Moisture: not dec. |                 | Date Ana                        | alyzed:  | 10/02/02                   |       |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution                        | n Factor | r: 50.0                    |       |
| Soil Extract Volume: | (uL)            | Soil Al:                        | iquot Va | olume:                     | _(uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION<br>(ug/L or ug/Kg |          | Q                          |       |
|                      |                 |                                 |          | 360<br>160<br>3900<br>3400 |       |

\_\_\_

#### EPA SAMPLE NO.

RPMW-02I

**1**B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: Lab Name: MITKEM CORPORATION Case No.: SAS No.: Lab Code: MITKEM Matrix: (soil/water) WATER 1000 (g/mL) ML Sample wt/vol: Level: (low/med) LOW % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Concentrated Extract Volume: 1000(uL) Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

SDG No.: A1390 Lab Sample ID: A1390-09H Lab File ID: S1D1176 Date Received: 09/24/02 Date Extracted:09/24/02 Date Analyzed: 09/30/02 Dilution Factor: 100.0

CAS NO.

----

COMPOUND

CONCENTRATION UNITS: (uq/L or uq/Kq) UG/L

Q

| 91-20-3Naphthalene               | 11000 | в |
|----------------------------------|-------|---|
| 91-57-62-Methylnaphthalene       | 890   | J |
| 208-96-8Acenaphthylene           | 110   | J |
| 83-32-9Acenaphthene              | 400   | J |
| 132-64-9Dibenzofuran             | 1000  | U |
| 86-73-7Fluorene                  | 1000  | U |
| 85-01-8Phenanthrene              | 1000  | U |
| 120-12-7Anthracene               | 1000  | U |
| 206-44-0Fluoranthene             | 1000  | U |
| 129-00-0Pyrene                   | 1000  | U |
| 56-55-3Benzo (a) anthracene      | 1000  | U |
| 218-01-9Chrysene                 | 1000  | U |
| 205-99-2Benzo (b) fluoranthene   | 1000  | U |
| 207-08-9Benzo (k) fluoranthene   | 1000  | U |
| 50-32-8Benzo (a) pyrene          | 1000  | U |
| 193-39-5Indeno(1,2,3-cd)pyrene   | 1000  | U |
| 53-70-3Dibenzo(a, h) anthracene  | 1000  | U |
| 191-24-2Benzo (g, h, i) perylene | 1000  | U |
|                                  |       |   |
|                                  |       |   |

| I                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

|                 |            |           |               |                | RPMW         | -021     |   |
|-----------------|------------|-----------|---------------|----------------|--------------|----------|---|
| Lab Name:       | MITKEM_COR | PORATION  | <br>Contract: | , <b></b>      | [, <u></u> , | <u>,</u> | _ |
| Lab Code:       | MITKEM     | Case No.: | <br>SAS No.:  |                | SDG No.:     | A1390    |   |
| Matrix (soil/wa | ater):     | WATER_    | 1             | Lab Sample ID: | A1390-0      | 09E      |   |
| Level (low/me   | d):        | MED       | 1             | Date Received: | 09/24/02     | 2        |   |
| % Solids:       |            |           |               |                |              |          |   |

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

UG/L

Γ

| CAS No.    | Analyte   | Concentration | С | Q       | M           |
|------------|-----------|---------------|---|---------|-------------|
| 7429-90-5  | Aluminum  |               |   |         |             |
| _7440-36-0 | Antimony  |               |   |         | $_{\rm NR}$ |
| 7440-38-2  | Arsenic   |               |   |         | $_{\rm NR}$ |
| _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    |               |   | <u></u> | NR          |
| _7440-50-8 | Copper    |               |   |         | NR          |
| _7439-89-6 | Iron      |               | B |         | P           |
| 7439-92-1  | Lead      |               |   |         | _NR         |
| 7439-95-4  | Magnesium |               |   |         | NR          |
| 7439-96-5  | Manganese | 10.1          | B |         | P           |
| 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          |
|            | Cyanide   |               | _ |         | NR          |

| Color After: Clarity After: Artifact<br>Comments:<br>TOTAL_METALS_FOR_SAMPLE_RPMW-02I |   |
|---|---|
|   | · |
|   |   |

FORM I - IN

\_\_\_\_\_

.\_\_\_. . . .

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

٦

| Lab Name:        | MITKEM_CORPO | DRATION   |             | Contract: |       |            | RPMW-    | 021     |  |
|------------------|--------------|-----------|-------------|-----------|-------|------------|----------|---------|--|
| Lab Code:        | MITKEM       | Case No.: | <del></del> | SAS No.   | :     |            | SDG No.: | A1390   |  |
| Matrix (soil/wat | er):         | WATER_    |             |           | Lab S | Sample ID: | A1390-0  | 9F      |  |
| Level (low/med)  | :            | MED       |             |           | Date  | Received:  | 09/24/02 | <u></u> |  |
|                  |              |           |             |           |       |            |          |         |  |

% Solids:

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

UG/L

Ŧ

| CAS No.    | Analyte   | Concentration | C | Q                                     | M    |
|------------|-----------|---------------|---|---------------------------------------|------|
| 7429-90-5  | Aluminum  |               |   |                                       | NR   |
| 7440-36-0  | Antimony  |               |   |                                       | NR   |
| 7440-38-2  |           |               |   |                                       | 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      | 252           |   |                                       | P    |
| _7439-92-1 | Lead      |               |   |                                       | NR   |
| _7439-95-4 | Magnesium |               |   |                                       | NR   |
| _7439-96-5 | Manganese | 20.6          | B |                                       | P    |
| _7439-97-6 | Mercury   |               |   |                                       | NR   |
| _7440-02-0 | Nickel    |               |   | · · · · · · · · · · · · · · · · · · · | NR   |
| _7440-09-7 | Potassium | <u> </u>      |   |                                       | 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 |
|            | Cyanide   |               |   |                                       | _ NR |
|            |           |               | ! |                                       |      |

Color After:

\_\_\_\_\_

\_\_\_\_\_

.. \_

\_\_\_\_

Comments: DISSOLVED\_METALS\_FOR\_SAMPLE\_RPMW-021\_\_\_\_\_

\_\_\_\_\_

Clarity After:

\_\_\_\_\_

......

Artifacts:

# **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-021Lab ID:A1390-09

# Project: Keyspan Collection Date: 09/23/02 16:25 Matrix: AQUEOUS

| Analyses                       | Result  | Qual     | Limit   | Units     | DF  | Date Analyzed  |
|--------------------------------|---------|----------|---------|-----------|-----|----------------|
| ITROGEN (NITRATE) BY AUTOMATED | CD REDI | J E353.2 | NO3     |           |     |                |
| Nitrate-N                      | ND      |          | 0.10    | mg/L      | 2   | 09/24/02 14:04 |
| LKALINITY BY TITRATION METHOD  |         | SM2320   | w       |           |     |                |
| Alkalinity, Total (As CaCO3)   | 520     |          | 20      | mg/L CaCO | 3 1 | 09/25/02 12:00 |
| OTAL DISSOLVED SOLIDS          |         | SM254(   | TDS     |           |     |                |
| Total Dissolved Solids         | 12000   |          | 100     | mg/L      | 10  | 09/26/02 9:00  |
| ERROUS IRON BY PHENANTHROLINE  | METHOD  | SM3500   | D FE2 W | 1         |     |                |
| Ferric Iron – Dissolved        | ND      |          | 20      | mg/L      | 2   | 09/24/02 10:25 |
| Ferric Iron                    | ND      |          | 20      | mg/L      | 2   | 09/24/02 10:25 |
| ERROUS IRON BY PHENANTHROLINE  | METHOD  | SM3500   | D_FE3_W | 1         |     |                |
| Ferrous Iron - Dissolved       | ND      |          | 20      | mg/L      | 2   | 09/24/02 10:25 |
| Ferrous Iron                   | ND      |          | 20      | mg/L      | 2   | 09/24/02 10:25 |
| ULFATE BY TURBIDIMETRIC METHOD |         | SM4500   | _SO4_W  |           |     |                |
| Sulfate                        | 550     |          | 180     | mg/L      | 25  | 09/25/02 16:02 |
| OTAL CYANIDE                   |         | SW9012   | 2B_W    |           |     |                |
| Cyanide                        | ND      |          | 0.020   | mg/L (    | 1 1 | 09/25/02 7:00  |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quanititation limits
- B Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

# 1A

EPA SAMPLE NO.

| VOLATILE                        | ORGANICS ANALYSI | S DATA SHEET                               | ·   |      |
|---------------------------------|------------------|--|---|------|
| Lab Name: MITKEM CORE           | ORATION          | Contract:                                  | RPMW-02D  |      |
| Lab Code: MITKEM                | Case No.:        | SAS No.: SDO                               | No.: A1398  |      |
| Matrix: (soil/water)            | WATER            | Lab Sample II                              | ): A1398-02A  |      |
| Sample wt/vol:                  | 5.000 (g/mL) ML  | Lab File ID:                               | V3A6705   |      |
| Level: (low/med)                | LOW              | Date Received                              | l: 09/25/02   |      |
| <pre>% Moisture: not dec.</pre> |                  | Date Analyzed                              | l: 10/03/02   |      |
| GC Column: RTX-502.2            | ID: 0.53 (mm)    | Dilution Fact                              | or: 1.0   |      |
| Soil Extract Volume:_           | (uL)             | Soil Aliquot                               | Volume:   | (uL) |
| CAS NO.                         | COMPOUND         | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/ |   |      |
|                                 |                  |  | $ \begin{array}{c} 1\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\ 0\\$ |      |

•

í

.

### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RPMW-02D

Lab Name: MITKEM CORPORATION Contract: SDG No.: A1398 SAS NO.: Lab Code: MITKEM Case No.: Lab Sample ID: A1398-02H Matrix: (soil/water) WATER Lab File ID: S1D1150 1000 (g/mL) ML Sample wt/vol: Date Received: 09/25/02 Level: (low/med) LOW Date Extracted:09/25/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 09/28/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_ CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

|                                  |    | _                                     |
|----------------------------------|----|---------------------------------------|
| 91-20-3Naphthalene               | 6  | J                                     |
| 91-57-62-Methylnaphthalene       | 10 | U                                     |
| 208-96-8Acenaphthylene           | 4  | J                                     |
| 83-32-9Acenaphthene              | 10 | -                                     |
| 132-64-9Dibenzofaran             | 10 |                                       |
| 86-73-7Fluorene                  | 10 | U                                     |
| 85-01-8Phenanthrene              | 10 | U                                     |
| 120-12-7Anthracene               | 10 | υ                                     |
| 206-44-0Fluoranthene             | 10 | υ                                     |
|                                  | 10 | U                                     |
| 129-00-0Pyrene                   | 10 | U                                     |
| 56-55-3Benzo (a) anthracene      | 10 |                                       |
| 218-01-9Chrysene                 | 10 | Ū                                     |
| 205-99-2Benzo (b) fluoranthene   | 10 | -                                     |
| 207-08-9Benzo(k) fluoranthene    | 10 | -                                     |
| 50-32-8Benzo (a) pyrene          | 10 | -                                     |
| 193-39-5Indeno(1,2,3-cd)pyrene   | 10 |                                       |
| 53-70-3Dibenzo (a, h) anthracene | 10 | Π                                     |
| 191-24-2Benzo(g,h,i)perylene     |    |                                       |
|                                  |    | ـــــــــــــــــــــــــــــــــــــ |

# 1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Ľ

|                        |                   |                   | RPMW-02SDL     |
|------------------------|-------------------|-------------------|----------------|
| Lab Name: MITKEM CORI  | PORATION          | Contract:         |                |
| Lab Code: MITKEM       | Case No.:         | SAS No.: SDO      | G No.: A1398   |
| Matrix: (soil/water)   | WATER             | Lab Sample II     | D: A1398-01HDL |
| Sample wt/vol:         | 1000 (g/mL) ML    | Lab File ID:      | S1D1204        |
| Level: (low/med)       | LOW               | Date Received     | l: 09/25/02    |
| <pre>% Moisture:</pre> | decanted: $(Y/N)$ | Date Extracte     | ed:09/25/02    |
| Concentrated Extract   | Volume: 1000(     | uL) Date Analyzed | i: 10/01/02    |
| Injection Volume:      | 1.0(uL)           | Dilution Fact     | tor: 8.0       |
| GPC Cleanup: (Y/N)     | N pH:             |                   |                |
|                        |                   |                   |                |

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Phenanthrene         120-12-7Anthracene         206-44-0Fluoranthene         129-00-0Pyrene         56-55-3Benzo (a) anthracene         218-01-9Chrysene | 80<br>200<br>80<br>52<br>85<br>10<br>80<br>10<br>80<br>80<br>80 | DJ<br>U<br>D<br>D<br>D<br>D<br>D<br>D<br>D<br>D<br>U<br>U<br>U<br>U<br>U<br>U |
|---|---|---|
| 85-01-8Phenanthrene         120-12-7Anthracene         206-44-0Fluoranthene         129-00-0Pyrene         56-55-3Benzo (a) anthracene         218-01-9Chrysene         205-99-2Benzo (b) fluoranthene         207-08-9Benzo (k) fluoranthene   | 10<br>80<br>10<br>80<br>80<br>80<br>80                          | ស<br>ប<br>ប<br>ប<br>ប<br>ប<br>ប<br>ប  |
| 50-32-8Benzo (a) pyrene<br>193-39-5Indeno (1,2,3-cd) pyrene<br>53-70-3Dibenzo (a,h) anthracene<br>191-24-2Benzo (g,h,i) perylene  | 80<br>80<br>80<br>80  | U   |

FORM I SV-1

000194

- --- ---- ---

# 1 INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

|                 |             |           |    |           |                | RPMW-02D |       |   |
|-----------------|-------------|-----------|----|-----------|----------------|----------|-------|---|
| Lab Name:       | MITKEM_CORP | ORATION   | ,, | Contract: |                |          |       | - |
| Lab Code:       | MITKEM      | Case No.: |    | SAS No.:  |                | SDG No.: | A1398 |   |
| Matrix (soil/wa | ter):       | WATER_    |    | L         | ab Sample ID:  | A1398-0  | 02E   |   |
| Level (low/med  | l):         | MED       |    | Ľ         | Date Received: | 09/25/02 | •     |   |
| % Solids:       |             | <u> </u>  |    |           |                |          |       |   |

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

UG/L

| CAS No.    | Analyte   | Concentration | С | Q | М  |
|------------|-----------|---------------|---|---|----|
| _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 |
|            | Chromium  |               |   |   | NR |
| 7440-48-4  | Cobalt    |               |   |   | NR |
| 7440-50-8  | Copper    |               |   |   | NR |
| 7439-89-6  |           |               |   |   | P  |
| 7439-92-1  |           |               |   |   | NR |
| 7439-95-4  | Magnesium |               |   |   | NR |
| 7439-96-5  |           | L             |   | E | P  |
| 7439-97-6  |           |               |   |   | 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 |
|            | Zinc      |               |   |   | NR |
|            | Cyanide   |               |   |   | NR |

| Color Before:       |                   | Clarity Before: | <u> </u> | Texture:   |  |
|---------------------|-------------------|-----------------|----------|------------|--|
| Color After:        |                   | Clarity After:  |          | Artifacts: |  |
| Comments:<br>TOTAL_ | _METALS_FOR_SAMPI | _E_RPMW-02D     |          |            |  |
|                     |                   |                 |          |            |  |
|                     |                   |                 |          |            |  |

SW846

# 000**41**3

# 1 INORGANIC ANALYSIS DATA SHEET

|                 |           | INOKO     | JANIC ANA | <b>ALY 515 DATA</b> | SHEET          | <u> </u> |       |
|-----------------|-----------|-----------|-----------|---------------------|----------------|----------|-------|
| Lab Name:       | MITKEM_CO | RPORATION |           | Contract:           |                | RPMW-    | 02D   |
| Lab Code:       | MITKEM    | Case No.: |           | SAS No.             | :              | SDG No.: | A1398 |
| Matrix (soil/wa | iter):    | WATER_    |           |                     | Lab Sample ID: | A1398-(  | 02F   |
| Level (low/med  | d):       | MED       |           |                     | Date Received: | 09/25/02 | 2     |
|                 |           |           |           |                     |                |          |       |

% Solids:

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

UG/L

EPA SAMPLE NO.

| CAS No.    | Analyte   | Concentration | C     | Q        | М  |
|------------|-----------|---------------|-------|----------|----|
| _7429-90-5 | Aluminum  |               |       |          |    |
| _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      | 35.0          | U_    | <u> </u> | P  |
| _7439-92-1 | Lead      |               |       |          | NR |
| _7439-95-4 | Magnesium |               |       |          | NR |
| _7439-96-5 | Manganese |               |       | E        | P  |
| _7439-97-6 |           |               |       |          | NR |
| 7440-02-0  |           |               |       | <u> </u> | NR |
| 7440-09-7  | Potassium |               |       |          | NR |
| 7782-49-2  | Selenium  |               |       |          | NR |
| 7440-22-4  | Silver    |               |       |          | NR |
|            | Sodium    |               |       | ·····    | NR |
| _7440-28-0 |           |               |       |          | NR |
| 7440-62-2  | Vanadium  |               |       |          | NR |
| 7440-66-6  | Zinc      |               |       |          | NR |
|            | Cyanide   | 1             | Į _ į |          | NR |

| Color Before:          | <u></u>         | Clarity Before: | <br>Texture:   |   |
|------------------------|-----------------|-----------------|----------------|---|
| Color After:           |                 | Clarity After:  | <br>Artifacts: |   |
| Comments:<br>DISSOLVEI | D_METALS_FOR_SA | AMPLE_RPMW-02D  | <br>           |   |
|                        |                 |                 | <br>           | , |

SW846

000**41**4

# **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-02DLab ID:A1398-02

# Project: Keyspan Collection Date: 09/24/02 10:33 Matrix: AQUEOUS

| nalyses                      | Result     | Qual     | Limit     | Units      | DF  | Date Analyzed  |
|------------------------------|------------|----------|-----------|------------|-----|----------------|
| ITROGEN (NITRATE) BY AUTOMAT | ED CD REDI | J E353.2 | _NO3      |            |     |                |
| Nitrate-N                    | 0.36       |          | 0.10      | mg/L       | 2   | 09/25/02 14:54 |
| LKALINITY BY TITRATION METHO | D          | SM232    | <b>w_</b> |            |     |                |
| Alkalinity, Total (As CaCO3) | 240        |          | 40        | mg/L CaCO3 | 2   | 09/25/02 12:00 |
| ERROUS IRON BY PHENANTHROL   |            | SM350    | DD_FE2_W  | ,          |     |                |
| Ferric Iron Dissolved        | ND         |          | 1000      | mg/L       | 100 | 09/25/02 11:10 |
| Ferric Iron                  | ND         |          | 1000      | mg/L       | 100 | 09/25/02 11:10 |
| ERROUS IRON BY PHENANTHROL   |            | SM3500   | D_FE3_W   | 1          |     |                |
| Ferrous Iron Dissolved       | ND         |          | 1000      | mg/L UJ    | 100 | 09/25/02 11:10 |
| Ferrous Iron                 | ND         |          | 1000      | mg/L J∫    | 100 | 09/25/02 11:10 |
| ULFATE BY TURBIDIMETRIC METH | OD         | SM4500   | _SO4_W    |            |     |                |
| Sulfate                      | 2600       |          | 700       | mg/L       | 100 | 09/26/02 13:47 |
| OTAL CYANIDE                 |            | SW9012   | 2B W      |            |     |                |
| Cyanide                      | ND         |          | 0.020     | mg/L       | 1   | 09/30/02 14:00 |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quanititation limits
- B Analyte detected in the associated Method Blank

DF - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit



### 1A

EPA SAMPLE NO.

| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |
|----------|----------|----------|------|-------|
|          |          |          |      |       |

**RPMW-02D2** Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM SAS No.: Case No.: SDG No.: A1379 Matrix: (soil/water) WATER Lab Sample ID: A1379-13A Sample wt/vol: 5.000 (q/mL) ML Lab File ID: V3A6626 Level: (low/med) Date Received: 09/20/02 LOW % Moisture: not dec. \_\_\_\_\_ Date Analyzed: 09/30/02 GC Column: RTX-502.2 ID: 0.53 (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 0 1 U 1 U 71-43-2----Benzene 108-88-3----Toluene 1 0 100-41-4----Ethylbenzene 1330-20-7-----Xylene (Total) 10

# FORM I VOA

### **1**B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-02D2 Contract: Lab Name: MITKEM CORPORATION SDG No.: A1379 Lab Code: MITKEM Case No.: SAS No.: Matrix: (soil/water) WATER Lab Sample ID: A1379-13C Lab File ID: Sample wt/vol: 1000 (q/mL) ML S1D1088 Level: (low/med) LOW Date Received: 09/20/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:09/23/02 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/25/02 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.

COMPOUND

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

Q

|                                | T   | <u> </u> |
|--------------------------------|-----|----------|
| 91-20-3Naphthalene             | 10  | υ        |
| 91-57-62-Methylnaphthalene     | 10  | 1-       |
| 208-96-8Acenaphthylene         | 10  | 1        |
| 83-32-9Acenaphthene            | 10  | U        |
| 132-64-9Dibenzofuran           | 10  | U        |
| 86-73-7Fluorene                | 10  | U        |
| 85-01-8Phenanthrene            | ] 1 | J        |
| 120-12-7Anthracene             | 10  | U        |
| 206-44-0Fluoranthene           | 10  | U        |
| 129-00-0Pyrene                 | 10  | U        |
| 56-55-3Benzo(a)anthracene      | 10  | U        |
| 218-01-9Chrysene               | 10  | U        |
| 205-99-2Benzo(b)fluoranthene   | 10  | U        |
| 207-08-9Benzo(k)fluoranthene   | 10  | U        |
| 50-32-8Benzo (a) pyrene        | 10  | U        |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10  | U        |
| 53-70-3Dibenzo(a,h)anthracene  | 10  | U        |
| 191-24-2Benzo(g,h,i)perylene   | 10  | U        |
|                                |     |          |
|                                |     |          |

FORM I SV-1

190

# **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-02D2Lab ID:A1390-08

Project: Keyspan Collection Date: 09/23/02 15:00 Matrix: AQUEOUS

| Analyses      | Result Qual | Limit | Units |                | DF | Date Analyzed |
|---------------|-------------|-------|-------|----------------|----|---------------|
| TOTAL CYANIDE | SW9012B_W   |       |       |                |    |               |
| Cyanide       | ND          | 0.020 | mg/L  | u <del>.</del> | 1  | 09/25/02 7:00 |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quanititation limits
- B Analyte detected in the associated Method Blank

**DF** - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

٠

. *ť* 

- -

| EPA | SAMPLI | ENO. |
|-----|--------|------|
|-----|--------|------|

|                       |                 |              |           | RPMW-03S          |      |
|-----------------------|-----------------|--------------|-----------|-------------------|------|
| Lab Name: MITKEM CORI | PORATION        | Contract:    |           |                   |      |
| Lab Code: MITKEM (    | Case No.:       | SAS No.:     | SDG       | No.: A1398        |      |
| Matrix: (soil/water)  | WATER           | Lab Sa       | ample ID: | A1398-05A         |      |
| Sample wt/vol:        | 5.000 (g/mL) ML | Lab F:       | ile ID:   | V3A6686           |      |
| Level: (low/med)      | LOW             | Date 1       | Received: | 09/25/02          |      |
| % Moisture: not dec.  |                 | Date A       | Analyzed: | 10/03/02          |      |
| GC Column: RTX-502.2  | ID: 0.53 (mm)   | Dilut        | ion Facto | r: 1.0            |      |
| Soil Extract Volume:  | (uL)            | Soil A       | Aliquot V | olume:            | (uL) |
| CAS NO.               | COMPOUND        | CONCENTRATIO |           |                   |      |
|                       |                 |              |           | 26<br>1<br>2<br>3 |      |

\_\_\_

### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-03S Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1383 Matrix: (soil/water) WATER Lab Sample ID: A1383-08B Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2C9508 Level: (low/med) LOW Date Received: 09/21/02 % Moisture: decanted: (Y/N) Date Extracted:09/23/02 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/27/02 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO.

COMPOUND

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

Q

|                                  |    | 1   |
|----------------------------------|----|-----|
| 91-20-3Naphthalene               | 4  | J   |
| 91-57-62-Methylnaphthalene       | 10 | U   |
| 208-96-8Acenaphthylene           | 10 | U   |
| 83-32-9Acenaphthene              | 28 |     |
| 132-64-9Dibenzofuran             | 10 | Ū   |
| 86-73-7Fluorene                  | 10 | U   |
| 85-01-8Phenanthrene              | 10 | U   |
| 120-12-7Anthracene               | 10 | U   |
| 206-44-0Fluoranthene             | 10 | U   |
| 129-00-0Pyrene                   | 10 | U   |
| 56-55-3Benzo(a)anthracene        | 10 | U [ |
| 218-01-9Chrysene                 | 10 | U   |
| 205-99-2Benzo (b) fluoranthene   | 10 | U   |
| 207-08-9Benzo(k)fluoranthene     | 10 | ט ו |
| 50-32-8Benzo (a) pyrene          | 10 | U U |
| 193-39-5Indeno(1,2,3-cd)pyrene   | 10 | U   |
| 53-70-3Dibenzo(a,h)anthracene    | 10 | U   |
| 191-24-2Benzo (g, h, i) perylene | 10 | υ   |
|                                  |    | [   |

FORM I SV-1

- -----

| 1               |                |
|-----------------|----------------|
| INORGANIC ANALY | SIS DATA SHEET |

RPMW-03S Lab Name: MITKEM\_CORPORATION\_\_\_\_ Contract: \_\_\_\_\_ Lab Code: SAS No.: SDG No.: A1383\_\_\_ MITKEM Case No.: \_\_\_\_\_ Lab Sample ID: Matrix (soil/water): WATER\_ A1383-08A\_\_\_\_\_ Date Received: 09/21/02\_\_\_\_ Level (low/med): MED\_\_\_\_

% Solids:

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

| CAS No.    | Analyte   | Concentration | C | Q        | Μ        |
|------------|-----------|---------------|---|----------|----------|
| 7429-90-5  | Aluminum  |               |   |          | NR       |
| 7440-36-0  | Antimony  |               |   |          | NR       |
| 7440-38-2  | Arsenic   |               |   | <u></u>  | 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    |               |   |          | <u> </u> |
| 7440-28-0  | Thallium  |               |   | <u> </u> | NR       |
| 7440-62-2  | Vanadium  |               |   |          | NR       |
| 7440-66-6  | Zinc      |               |   | <u></u>  | NR       |
|            | Cyanide   | 68.2          |   |          | CA       |

| Color Before: | <br>Clarity Before: | : | Texture:   |  |
|---------------|---------------------|---|------------|--|
| Color After.  | <br>Clarity After:  |   | Artifacts: |  |
| Comments:     |                     |   |            |  |
|               | <br>                |   |            |  |
|               | <br>                |   |            |  |

EPA SAMPLE NO.

UG/L

### 1A

EPA SAMPLE NO.

-1

17

VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: MITKEM COF                         | RPORATION       | Contract:                                    | RPMW-031             |
|--|-----------------|--|----------------------|
| Lab Code: MITKEM                             | Case No.:       | SAS No.: SDG                                 | No.: A1390           |
| Matrix: (soil/water)                         | WATER           | Lab Sample ID:                               | A1390-06A            |
| Sample wt/vol:                               | 5.000 (g/mL) ML | Lab File ID:                                 | V3A6735              |
| Level: (low/med)                             | LOW             | Date Received:                               | 09/24/02             |
| % Moisture: not dec.                         |                 | Date Analyzed:                               | 10/04/02             |
| GC Column: RTX-502.2                         | 2 ID: 0.53 (mm) | Dilution Facto                               | or: 1.0              |
| Soil Extract Volume:                         | :(uL)           | Soil Aliquot V                               | Volume:(uL)          |
| CAS NO.                                      | COMPOUND        | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L |                      |
| 71-43-2<br>108-88-3<br>100-41-4<br>1330-20-7 |                 |  | 5<br>1 U<br>2<br>1 U |

.

• •

# 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

| Lab Name: MITKEM COR   | PORATION         | Contract: | RPMW-03I                    |
|------------------------|------------------|-----------|-----------------------------|
| Lab Code: MITKEM       | Case No.:        | SAS No.:  | SDG No.: A1390              |
| Matrix: (soil/water)   | WATER            | • Lab     | Sample ID: A1390-06C        |
| Sample wt/vol:         | 1000 (g/mL) ML   | Lab       | File ID: S1D1140            |
| Level: (low/med)       | LOW              | Date      | e Received: 09/24/02        |
| <pre>% Moisture:</pre> | decanted: (Y/N)_ | _ Date    | e Extracted:09/24/02        |
| Concentrated Extract   | Volume: 1000(u   | ц) Date   | e Analyzed: 09/27/02        |
| Injection Volume:      | 1.0 (uL)         | Dilu      | tion Factor: 1.0            |
| GPC Cleanup: (Y/N)     | N pH:            |           |                             |
| CAS NO.                | COMPOUND         |           | TON UNITS:<br>Ig/Kg) UG/L Q |

| 91-20-3Naphthalene                 | 10 | U |
|------------------------------------|----|---|
| 91-57-62-Methylnaphthalene         | 10 |   |
| 208-96-8Acenaphthylene             | 4  | J |
| 83-32-9Acenaphthene                | 10 | U |
| 132-64-9Dibenzofuran               | 10 | U |
| 86-73-7Fluorene                    | 10 | U |
| 85-01-8Phenanthrene                | 10 | U |
| 120-12-7Anthracene                 | 10 | U |
| 206-44-0Fluoranthene               | 10 | U |
| 129-00-0Pyrene                     | 10 | U |
| 56-55-3Benzo (a) anthracene        | 10 | U |
| 218-01-9Chrysene                   | 10 | U |
| 205-99-2Benzo (b) fluoranthene     | 10 | U |
| 207-08-9Benzo(k)fluoranthene       | 10 | U |
| 50-32-8Benzo (a) pyrene            | 10 | υ |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 10 | U |
| 53-70-3Dibenzo(a,h)anthracene      | 10 | U |
| 191-24-2Benzo(g,h,i)perylene       | 10 | U |
|                                    |    |   |
|                                    | ·  |   |

FORM I SV-1

# **Mitkem Corporation**

| Analyses          |                       | Result Qual | Limit Units              | ĎF      | Date Analyzed |
|-------------------|-----------------------|-------------|--------------------------|---------|---------------|
| Lab ID:           | A1390-06              |             | Matrix: AQUE             | OUS     |               |
| Client Sample ID: | RPMW-03I              |             | Collection Date: 09/23/0 | 2 10:25 |               |
| CLIENT:           | GEI Consultants, Inc. |             | Project: Keyspa          | n       |               |

| ······································ |      |        |       |      |                 |
|--|------|--------|-------|------|-----------------|
| TOTAL CYANIDE                          |      | SW9012 | B_W   |      |                 |
| Cyanide                                | 0.20 | 5      | 0.020 | mg/L | 1 09/25/02 7:00 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

R - RPD outside accepted recovery limits

E - Value above quantitation range

Limit - Reporting Limit

S - Spike Recovery outside accepted recovery limits

1A

EPA SAMPLE NO.

----

...

RPMW-03D

| Lab Name: MITKEM CORPORATION   | Contract:                                    |                                 |   |
|--|--|---------------------------------|---|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.                             | : A1390                         |   |
| Matrix: (soil/water) WATER   | Lab Sample ID: Al                            | .390-05A                        |   |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3                              | A6704                           |   |
| Level: (low/med) LOW   | Date Received: 09                            | /24/02                          |   |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 10                            | /03/02                          |   |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor:                             | 1.0                             |   |
| Soil Extract Volume:(uL)   | Soil Aliquot Volu                            | me:(uL)                         | ) |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L | Q                               |   |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) |  | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |   |

----

FORM I VOA

.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

RPMW-03D Lab Name: MITKEM CORPORATION Contract: SAS NO.: SDG No.: A1390 Lab Code: MITKEM Case No.: Lab Sample ID: A1390-05C Matrix: (soil/water) WATER Lab File ID: Sample wt/vol: 1000 (g/mL) ML S1D1139 Date Received: 09/24/02 Level: (low/med) LOW Date Extracted: 09/24/02 decanted: (Y/N)% Moisture: Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/27/02 Dilution Factor: 1.0 Injection Volume: 1.0(uL)GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L CAS NO. COMPOUND Q

| 91-20-3Naphthalene             | 10        | U |
|--------------------------------|-----------|---|
| 91-57-62-Methylnaphthalene     | 10        | U |
| 208-96-8Acenaphthylene         |           | U |
| 83-32-9Acenaphthene            | 10        | U |
| 132-64-9Dibenzofuran           | 10        | U |
| 86-73-7Fluorene                | 10        | U |
| 85-01-8Phenanthrene            |           | U |
| 120-12-7Anthracene             | 10        | U |
| 206-44-0Fluoranthene           |           | U |
| 129-00-0Pyrene                 | 10        | U |
| 56-55-3Benzo(a)anthracene      |           | U |
| 218-01-9Chrysene               |           | U |
| 205-99-2Benzo(b) fluoranthene  | <b>10</b> | U |
| 207-08-9Benzo(k)fluoranthene   | - 10      | U |
| 50-32-8Benzo (a) pyrene        |           | U |
| 193-39-5Indeno(1,2,3-cd)pyrene | - 10      | U |
| 53-70-3Dibenzo(a, h)anthracene | - 10      | U |
| 191-24-2Benzo(q,h,i)perylene   | - 10      | U |
|                                |           | - |
|                                |           |   |

FORM I SV-1

EPA SAMPLE NO.

\_\_\_\_\_

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: MITKEM CORPORATION     | Contract:                       | RPMW-03DRE          |
|----------------------------------|---------------------------------|---------------------|
| Lab Code: MITKEM Case No.:       | SAS No.:                        | SDG No.: A1390      |
| Matrix: (soil/water) WATER       | Lab Samp                        | ple ID: A1390-05CRE |
| Sample wt/vol: 1000 (g/s         | mL) ML Lab File                 | e ID: S1D1168       |
| Level: (low/med) LOW             | Date Rec                        | ceived: 09/24/02    |
| <pre>% Moisture: decanted:</pre> | (Y/N) Date Ext                  | racted:09/24/02     |
| Concentrated Extract Volume:     | 1000(uL) Date Ana               | lyzed: 09/30/02     |
| Injection Volume: 1.0(uL)        | Dilution                        | Factor: 1.0         |
| GPC Cleanup: (Y/N) N J           | рН:                             |                     |
| CAS NO. COMPOUNI                 | CONCENTRATION<br>(ug/L or ug/Kg |                     |

| 91-20-3Naphthalene                 | 10    | U   |
|------------------------------------|-------|-----|
| 91-57-62-Methylnaphthalene         | -) 10 | ט   |
| 208-96-8Acenaphthylene             | - 10  | U   |
| 83-32-9Acenaphthene                | - 10  | U   |
| 132-64-9Dibenzofuran               | 10    | U   |
| 86-73-7Fluorene                    | - 10  | U   |
| 85-01-8Phenanthrene                | - 10  | U   |
| 120-12-7Anthracene                 | - 10  | σ   |
| 206-44-0Fluoranthene               | 10    | U   |
| 129-00-0Pyrene                     | 10    | U   |
| 56-55-3Benzo (a) anthracene        | 10    | ט ו |
| 218-01-9Chrysene                   | 10    | υ   |
| 205-99-2Benzo(b) fluoranthene      | 10    | υ   |
| 207-08-9Benzo(k)fluoranthene       | 10    | υ   |
| 50-32-8Benzo (a) pyrene            | 10    | U   |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 10    | υ   |
| 53-70-3Dibenzo(a,h)anthracene      | 10    | ע ו |
| 191-24-2Benzo(g,h,i)perylene       | 10    | ט   |
|                                    |       |     |
|                                    |       |     |

١

FORM I SV-1

# **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-03DLab ID:A1390-05

Project: Keyspan Collection Date: 09/23/02 12:00 Matrix: AQUEOUS

| Analyses                        | Result Qual       | Limit                  | Units |    | DF | Date Analyzed |
|---------------------------------|-------------------|------------------------|-------|----|----|---------------|
| <b>TOTAL CYANIDE</b><br>Cyanide | <b>SW90</b><br>ND | 12 <b>B_W</b><br>0.020 | mg/L  | uт | 1  | 09/25/02 7:00 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Limit - Reporting Limit

| 1A<br>VOLATILE ORGANICS ANALYSI  |  | EPA SAMPLE NO.   |
|--|--|--|
| Lab Name: MITKEM CORPORATION   | Contract:                                    | RPMW-04S   |
| Lab Code: MITKEM Case No.:   | SAS NO.: SDG NG                              | D.: A1383  |
| Matrix: (soil/water) WATER   | Lab Sample ID: A                             | A1383-02A  |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: N                               | /3A6627  |
| Level: (low/med) LOW   | Date Received: (                             | 09/21/02   |
| * Moisture: not dec.   | Date Analyzed: (                             | 09/30/02   |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor:                             | : 1.0  |
| Soil Extract Volume:(uL)   | Soil Aliquot Vol                             | ume:(uL)   |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L | Q  |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) |  | $ \begin{array}{c c} 4 \\ 1 \\ \overline{U} \\ 2 \\ 2 \\ \end{array} $ |

.

\_\_\_\_\_

### 1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-04S Contract: Lab Name: MITKEM CORPORATION SDG No.: A1383 SAS No.: Case No.: Lab Code: MITKEM Lab Sample ID: A1383-02C Matrix: (soil/water) WATER Lab File  $\mathbb{D}$ : S2C9498 1000 (g/mL) ML Sample wt/vol: Date Received: 09/21/02 (low/med) LOW Level: Date Extracted:09/23/02 decanted: (Y/N)\_\_\_ % Moisture: Date Analyzed: 09/27/02 1000 (uL) Concentrated Extract Volume: Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) NpH:

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene                 | 10 |           |
|------------------------------------|----|-----------|
| 91-57-62-Methylnaphthalene         | 10 | Ū         |
| 208-96-8Acenaphthylene             | 10 | U         |
| 83-32-9Acenaphthene                | 10 | U         |
| 132-64-9Dibenzofuran               | 10 | ប         |
| 86-73-7Fluorene                    | 10 | ប         |
| 85-01-8Phenanthrene                | 10 | υ         |
| 120-12-7Anthracene                 | 10 | ប         |
| 206-44-0Fluoranthene               | 10 | U         |
| 129-00-0Pyrene                     | 10 | <u></u> ד |
| 56-55-3Benzo (a) anthracene        | 10 | U         |
| 218-01-9Chrysene                   | 10 | U         |
| 205-99-2Benzo (b) fluoranthene     | 10 | ប         |
| 207-08-9Benzo (k) fluoranthene     | 10 | υ         |
| 50-32-8Benzo (a) pyrene            | 10 | υ         |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 10 | ប         |
| 53-70-3Dibenzo (a, h) anthracene   | 10 | υ         |
| 191-24-2Benzo (g, h, i) perylene   | 10 | ប         |
| 171-24-2                           |    |           |
|                                    | !  | · ·       |

FORM I SV-1

## 1 INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

UG/L

| Lab Name:        | MITKEM_CORPO | RATION    | <br>Contract: |        |           | RPMW-(   | )4S   |
|------------------|--------------|-----------|---------------|--------|-----------|----------|-------|
| Lab Code:        | MITKEM       | Case No.: | <br>SAS No.   | .:     |           | SDG No.: | A1383 |
| Matrix (soil/wat | er):         | WATER_    |               | Lab Sa | ample ID: | A1383-0  | 2B    |
| Level (low/med)  | ):           | MED       |               | Date F | leceived: | 09/21/02 |       |

% Solids:

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

CAS No. Concentration С Q М Analyte NR 7429-90-5 Aluminum NR 7440-36-0\_ Antimony\_ NR \_7440-38-2\_ Arsenic\_ NR Barium\_ \_7440-39-3\_ NR Beryllium\_ 7440-41-7 NR \_7440-43-9\_ Cadmium\_ NR Calcium\_ \_7440-70-2 NR \_7440-47-3\_ Chromium. NR 7440-48-4 Cobalt\_ NR. \_7440-50-8\_ Copper\_ NR \_7439-89-6\_ Iron\_ NR Lcad\_ \_7439-92-1\_ NR 7439-95-4 Magnesium NR. \_7439-96-5\_ Manganese\_ NR \_7439-97-6\_ Mercury\_ Nickel NR \_7440-02-0\_ NR \_7440-09-7\_ Potassium\_ NR. 7782-49-2 Selenium\_ NR 7440-22-4\_ Silver\_ NR \_7440-23-5\_ Sodium\_ LNR. \_7440-28-0\_ Thallium NR 7440-62-2\_ Vanadium\_ NR 7440-66-6\_ Zinc\_ 1250\_ CA Cyanide\_

| Color Before: |       | Clarity Before: | ·                                      | Texture:   | <u></u> |
|---------------|-------|-----------------|--|------------|---------|
| Color After:  |       | Clarity After:  |  | Artifacts: |         |
| Comments:     |       |                 |  |            |         |
|               |       |                 | ······································ |            |         |
|               | ····· |                 | · · · · · · · · · · · · · · · · · · ·  |            |         |

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

. \_\_\_\_\_ . . .

|                      |                 |                                    | 1                      |        |      |
|----------------------|-----------------|------------------------------------|------------------------|--------|------|
| Lab Name: MITKEM COR | PORATION        | Contract:                          | RP                     | MW-04I |      |
| Lab Code: MITKEM     | Case No.:       | SAS No.:                           | SDG No.:               | A1383  |      |
| Matrix: (soil/water) | WATER           | Lab Sampl                          | le ID: A138            | 3-03A  |      |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File                           | ID: V3A6               | 609    |      |
| Level: (low/med)     | LOW             | Date Rece                          | eived: 09/2            | 1/02   |      |
| % Moisture: not dec. |                 | Date Anal                          | yzed: 09/3             | 0/02   |      |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution                           | Factor: 20             | .0     |      |
| Soil Extract Volume: | (uL)            | Soil Aliq                          | uot Volume             | :      | (uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION U<br>(ug/L or ug/Kg) |                        | Q      |      |
|                      |                 |                                    | 20<br>49<br>360<br>310 |        |      |

-- --

\_

### **1B** SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RPMW-041 Lab Name: MITKEM CORPORATION Contract: SAS NO.: SDG No.: A1383 Lab Code: MITKEM Case No.: Matrix: (soil/water) WATER Lab Sample ID: A1383-03C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S2C9634 Date Received: 09/21/02 Level: (low/med) LOW % Moisture: decanted: (Y/N) Date Extracted:09/23/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/02/02 Injection Volume: 1.0(uL) Dilution Factor: 6.0 GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO. COMPOUND

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

Q

| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Phenanthrene         120-12-7Anthracene         206-44-0Fluoranthene         129-00-0Pyrene         56-55-3Benzo (a) anthracene         218-01-9Benzo (b) fluoranthene         205-99-2Benzo (k) fluoranthene         207-08-9Benzo (a) pyrene         19-32-8Benzo (a) pyrene | 180<br>57<br>60<br>18<br>14<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60 | U<br>J<br>J<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U |
|---|---|---|
| 207-08-9Benzo (k) fluoranthene  | 60 1<br>60 1<br>60 1<br>60 1  | U<br>U<br>U   |
|   | í I _   |   |

FORM I SV-1

| 1                       |       |
|-------------------------|-------|
| INORGANIC ANALYSIS DATA | SHEET |

RPMW-04I Lab Name: MITKEM\_CORPORATION\_\_\_ Contract: SAS No.: SDG No.: A1383 Lab Code: MITKEM Case No.: A1383-03B\_\_\_\_\_ Lab Sample ID: Matrix (soil/water): WATER\_ Level (low/med): Date Received: 09/21/02\_\_\_\_ MED\_\_\_\_

% Solids:

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

С Q CAS No. М Analyte Concentration NR Aluminum 7429-90-5 NR Antimony\_\_\_ \_7440-36-0\_ NR 7440-38-2 Arsenic NR Barium\_ \_7440-39-3\_ NR \_7440-41-7\_ Beryllium\_ NR Cadmium\_ \_7440-43-9\_ NR \_7440-70-2\_ Calcium\_ NR Chromium\_ \_7440-47-3\_ NR Cobalt\_ \_7440-48-4\_ NR Copper\_ 7440-50-8 NR Iron 7439-89-6 NR 7439-92-1 Lead NR Magnesium \_7439-95-4\_ NR 7439-96-5 Manganese\_ NR 7439-97-6 Mercury\_\_\_ NR Nickel 7440-02-0 NR Potassium \_7440-09-7\_ NR 7782-49-2 Selenium\_ NR 7440-22-4\_ Silver NR 7440-23-5\_ Sodium\_ NR Thallium 7440-28-0\_ NR Vanadium 7440-62-2 NR 7440-66-6\_ Zinc\_ 5.5\_ В CA Cyanide\_

| Color Before: | - <u></u> | Clarity Before:                       | ; | Texture:   |  |
|---------------|-----------|---------------------------------------|---|------------|--|
| Color After:  |           | Clarity After:                        |   | Artifacts: |  |
| Comments:     |           |                                       |   |            |  |
|               |           | · · · · · · · · · · · · · · · · · · · |   |            |  |
|               |           |                                       |   |            |  |
| <u> </u>      |           |                                       |   |            |  |

EPA SAMPLE NO.

UG/L

# 1A

EPA SAMPLE NO.

| VOLATILE ORGANICS ANALYSIS   | DATA SHEET                                     |
|--|--|
| Lab Name: MITKEM CORPORATION   | Contract:                                      |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1361                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1361-03A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6479                           |
| Level: (low/med) LOW   | Date Received: 09/18/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 09/25/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1800 E<br>1 U<br>150 E<br>60                   |

FORM I VOA

\_\_\_\_\_

- ---

| 1A<br>VOLATILE ORGANICS AND  | LYSIS DATA SHEET                               |
|--|--|
| Lab Name: MITKEM CORPORATION   | Contract:                                      |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1361                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1361-03ADL                     |
| Sample wt/vol: 5.000 (g/mL)  | ML Lab File ID: V3A6488                        |
| Level: (low/med) LOW   | Date Received: 09/18/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 09/25/02                        |
| GC Column: RTX-502.2 ID: 0.53 (n   | m) Dilution Factor: 40.0                       |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenze<br>1330-20-7Xylene (To |  |

. ...

### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

RPMW-05S Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1361 Matrix: (soil/water) WATER Lab Sample ID: A1361-03C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1D1172 Level: (low/med) LOW Date Received: 09/18/02 % Moisture: decanted: (Y/N) Date Extracted:09/18/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/30/02 Injection Volume: 1.0(uL) Dilution Factor: 15.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

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

Q

|  |      | <u>,                                    </u> |
|--|------|--|
| 91-20-3Naphthalene                     | 1200 |  |
| 91-57-62-Methylnaphthalene             | 52   | J  |
| 208-96-8Acenaphthylene                 | 150  | U  |
| 83-32-9Acenaphthene                    | 180  |  |
| 132-64-9Dibenzofuran                   | 150  | Ū  |
| 86-73-7Fluorene                        | 80   | J  |
| 85-01-8Phenanthrene                    | 120  | J  |
| 120-12-7Anthracene                     | 150  | U  |
| 206-44-0Fluoranthene                   | 150  | U  |
| 129-00-0Pyrene                         | 150  | U  |
| 56-55-3Benzo (a) anthracene            | 150  | υ  |
| 218-01-9Chrysene                       | 150  | U  |
| 205-99-2Benzo (b) fluoranthene         | 150  | υ  |
| 207-08-9Benzo(k)fluoranthene           | 150  | υ  |
| 50-32-8Benzo (a) pyrene                | 150  | U  |
| 193-39-5Indeno(1,2,3-cd)pyrene         | 150  | υ  |
| 53-70-3Dibenzo(a,h)anthracene          | 150  | <b>U</b>                                     |
| 191-24-2Benzo(g,h,i)perylene           | 150  | υ  |
| ·••••••••••••••••••••••••••••••••••••• |      |  |
|  |      |  |

FORM I SV-1

# 1 INORGANIC ANALYSIS DATA SHEET

|                 |            |           |   |           |               | l.       |       |
|-----------------|------------|-----------|---|-----------|---------------|----------|-------|
| Lab Name:       | MITKEM COR | PORATION  |   | Contract: |               | RPMW     | ·05S  |
|                 |            |           |   |           |               |          |       |
| Lab Code:       | MITKEM     | Case No.: | , | SAS No.:  |               | SDG No.: | A1361 |
| Matrix (soil/wa | ter):      | WATER_    |   | L         | ab Sample ID: | A1361-   | 03B   |
| Level (low/med  | i):        | MED       |   | D         | ate Received: | 09/18/02 | 2     |
| % Solids:       |            |           |   |           |               |          |       |

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

UG/L

EPA SAMPLE NO.

.

| CAS No.    | Analyte   | Concentration | С | Q          | м        |
|------------|-----------|---------------|---|------------|----------|
| 7429-90-5  | Aluminum  |               |   | <br>       | NR       |
| _7440-36-0 | Antimony  |               |   |            | NR       |
| _7440-38-2 | Arsenic   |               |   |            | NR       |
| _7440-39-3 | Barium    |               |   |            | NR       |
| _7440-41-7 | Beryllium |               |   | _ <u>_</u> | .NR      |
| 7440-43-9  | -         |               |   |            | NR       |
| 7440-70-2  | Calcium   |               |   |            | NR       |
|            | Chromium  |               |   |            | LNR.     |
| _7440-48-4 | Cobalt    |               |   |            | NR       |
| 7440-50-8  | Copper    |               |   | / / / /    | NR       |
| 7439-89-6  |           |               |   | <u></u>    | NR       |
| 7439-92-1  | Lead      |               |   |            | NR       |
| 7439-95-4  | Magnesium |               |   |            | NR       |
| 7439-96-5  |           |               |   |            | NR       |
| 7439-97-6  |           | 1             |   |            | NR       |
| 7440-02-0  |           |               |   |            | 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      |               |   | - her      | NR       |
|            | Cyanide   | 176           |   | * ortub    | CA       |
|            | -         |               |   | <u> </u>   | <u> </u> |

| Color Be | fore:       | <br>Clarity Before: |  | Texture:   |         |
|----------|-------------|---------------------|--|------------|---------|
| Color Af | ìer:        | <br>Clarity After:  |  | Artifacts: | <u></u> |
| Commen   | its:        |                     |  |            |         |
|          | <del></del> | <br>·               |  |            |         |
|          |             |                     | ······································ |            |         |
|          |             | <br>                |  |            |         |
|          |             | <br><u></u>         |  |            |         |

SW846

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

-

| VOIRITIN ORGANICO FREEDIDIO  |  |
|--|--|
| Lab Name: MITKEM CORPORATION Co  | RPMW-05I                                       |
| Lab Code: MITKEM Case No.: S   | SAS NO.: SDG NO.: A1361                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1361-02A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6478                           |
| Level: (low/med) LOW   | Date Received: 09/18/02                        |
| % Moisture: not dec.   | Date Analyzed: 09/25/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 3<br>4<br>7<br>170<br>E<br>160<br>1            |

\_\_\_\_

-- ----

. .... . . . .

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

|                                |                 |                              |            | DM                   | W-05IDL |       |
|--------------------------------|-----------------|------------------------------|------------|----------------------|---------|-------|
| Lab Name: MITKEM CORPO         | ORATION (       | Contract:                    |            |                      |         |       |
| Lab Code: MITKEM Ca            | ase No.:        | SAS No.:                     | SDG I      | No.: 1               | A1361   |       |
| Matrix: (soil/water) W         | WATER           | Lab Sa                       | ample ID:  | <b>A1</b> 36         | 1-02ADL |       |
| Sample wt/vol: 5               | 5.000 (g/mL) ML | Lab Fi                       | le ID:     | V3A64                | 489     |       |
| Level: (low/med) I             | LOW             | Date F                       | Received:  | 09/18                | 8/02    |       |
| <pre>% Moisture: not dec</pre> |                 | Date A                       | analyzed:  | 09/25                | 5/02    |       |
| GC Column: RTX-502.2 I         | ID: 0.53 (mm)   | Diluti                       | ion Factor | c: 2.0               | )       |       |
| Soil Extract Volume:           | (uL)            | Soil A                       | liquot Vo  | olume                |         | _(uL) |
| CAS NO.                        | COMPOUND        | CONCENTRATIC<br>(ug/L or ug/ |            |                      | Q       |       |
|                                |                 |                              |            | 3<br>4<br>190<br>180 | D<br>D  |       |

FORM I VOA

\_\_\_\_\_

### EPA SAMPLE NO. **1B** SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET RPMW-051 Contract: Lab Name: MITKEM CORPORATION SDG No.: A1361 SAS No.: Lab Code: MITKEM Case No.: Lab Sample ID: A1361-02C Matrix: (soil/water) WATER Lab File ID: S1D1171 1000 (q/mL) ML Sample wt/vol: Date Received: 09/18/02 Level: (low/med) LOW Date Extracted:09/18/02 % Moisture: decanted: (Y/N) Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/30/02 Dilution Factor: 100.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO.

COMPOUND

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

Q

|                                   | 1     |     |
|-----------------------------------|-------|-----|
| 91-20-3Naphthalene                | 9500  |     |
| 91-57-62-Methylnaphthalene        | 920   | J   |
| 208-96-8Acenaphthylene            | 1000  | U   |
| 83-32-9Acenaphthene               | 270   | JJ  |
|                                   | 1000  | U   |
| 132-64-9Dibenzofuran              | 1000  | -   |
| 86-73-7Fluorene                   | 1000  |     |
| 85-01-8Phenanthrene               | 1000  | -   |
| 120-12-7Anthracene                | 1000  | -   |
| 206-44-0Fluoranthene              | 1000  | -   |
| 129-00-0Pyrene                    |       | -   |
| 56-55-3Benzo (a) anthracene       | 1000  | -   |
| 218-01-9Chrysene                  | 1000  | 1 - |
| 205-99-2Benzo (b) fluoranthene    | 1000  | -   |
| 207-08-9Benzo(k)fluoranthene      | 1000  | +   |
| 50-32-8Benzo (a) pyrene           | 1000  | -   |
| 193-39-5Indeno(1,2,3-cd)pyrene    | 1000  | U   |
| 53-70-3Dibenzo(a,h)anthracene     | 1000  | U   |
| 191-24-2Benzo(g,h,i)perylene      | 1000  | U   |
| 191-24-2** Danze (g) m/1/per/1ene |       |     |
|                                   | · ۱ ۱ |     |

\_\_\_\_\_

- ----

# 1 INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

|                 |            |           | _             |  | RPMW     | -051  |   |
|-----------------|------------|-----------|---------------|--|----------|-------|---|
| Lab Name:       | MITKEM_COP | PORATION  | <br>Contract: | ······································ | L        | ·     | ÷ |
| Lab Code:       | MITKEM     | Case No.: | <br>SAS No.:  |  | SDG No.: | A1361 |   |
| Matrix (soil/wa | uter):     | WATER_    | I             | ab Sample ID:                          | A1361-   | 02B   |   |
| Level (low/med  | d):        | MED       | I             | Date Received:                         | 09/18/02 | 2     |   |
| % Solids:       |            |           |               |  |          |       |   |

----

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

UG/L

| CAS No.    | Analyte   | Concentration | C | Q              | м          |
|------------|-----------|---------------|---|----------------|------------|
| 7429-90-5  | Aluminum  |               |   |                | NR         |
| _7440-36-0 | Antimony  |               |   |                | NR         |
| _7440-38-2 | Arsenic   |               |   |                | NR         |
| _7440-39-3 | Barium    |               |   |                | NR.        |
| 7440-41-7  | Beryllium |               |   |                | ÌNR        |
|            | Cadmium   |               |   |                | ↓NR        |
| _7440-70-2 | Calcium   |               |   |                | INR.       |
| _7440-47-3 | Chromium  |               |   |                | INR        |
| _7440-48-4 | Cobalt    |               |   |                | NR         |
| _7440-50-8 | Соррег    |               |   |                | NR         |
| _7439-89-6 | Iron      |               |   |                | INR        |
| 7439-92-1  | Lead      |               |   |                | <b>↓NR</b> |
| 7439-95-4  | Magnesium |               |   |                | <b>NR</b>  |
| 7439-96-5  | Manganese | 1             |   | - <del>.</del> | NR         |
| 7439-97-6  |           |               |   |                | INR        |
| 7440-02-0  |           |               |   |                | NR         |
| 7440-09-7  | Potassium |               |   |                | NR         |
| 7782-49-2  | Selenium  |               |   |                | NR         |
| 7440-22-4  | Silver    |               |   |                | <b>NR</b>  |
| 7440-23-5  | Sodium    |               |   |                | INR        |
| 7440-28-0  |           |               |   |                | NR         |
| 7440-62-2  | Vanadium  |               |   |                | <b>↓NR</b> |
| 7440-66-6  |           |               |   |                | NR         |
|            | Cyanide   | 15.0          | B | 2 0 6 puller   |            |

| Color Befo | ore: | <br>Clarity Before:                       | <br>Texture:   | <del>- · · · · · · · · · · · · · · · · · · ·</del> |
|------------|------|---|----------------|--|
| Color Afte | er.  | <br>Clarity After:                        | <br>Artifacts: |  |
| Comments   | :    |   | <br><u> </u>   |  |
|            |      | <br>                                      | <br>           |  |
| -          |      | <br>· · · · · · · · · · · · · · · · · · · | <br>           | <u></u>  |
| _          | • •• | <br>                                      | <br>           |  |

# FORM I - IN

SW846

\_ \_\_\_ \_ \_\_\_ .

#### 1A

EPA SAMPLE NO.

| VOLATILE ORGANICS ANAL | YSIS DATA | SHEET |
|------------------------|-----------|-------|
|------------------------|-----------|-------|

| Lab Name: MITKEM CORPORATION   | Contract:                                      |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1379                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1379-10A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6597                           |
| Level: (low/med) LOW   | Date Received: 09/20/02                        |
| <pre>% Moisture: not dec.</pre>  | Date Analyzed: 09/29/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 25.0                          |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 880<br>25 U<br>1500<br>1100                    |

•

۰,

. -

\_ \_

#### BPA SAMPLE NO.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-06I

Lab Name: MITKEM CORPORATION Contract: SAS No.: Lab Code: MITKEM Case No.: SDG No.: A1379 Matrix: (soil/water) WATER Lab Sample ID: A1379-10H Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1D1133 Level: (low/med) LOW Date Received: 09/20/02 % Moisture: decanted: (Y/N) Date Extracted: 09/23/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/27/02 Injection Volume: 1.0(uL) Dilution Factor: 30.0 GPC Cleanup: (Y/N) N pH:

CAS NO.

COMPOUND

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

Q

|                                | <u> </u> | · · · · · · · · · · · · · · · · · · · |
|--------------------------------|----------|---------------------------------------|
| 91-20-3Naphthalene             | 4200     |                                       |
| 91-57-62-Methylnaphthalene     | 530      |                                       |
| 208-96-8Acenaphthylene         | 57       | J                                     |
| 83-32-9Acenaphthene            | 300      |                                       |
| 132-64-9Dibenzofuran           | 300      | U                                     |
| 86-73-7Fluorene                | 58       | J                                     |
| 85-01-8Phenanthrene            | 81       | J                                     |
| 120-12-7Anthracene             | 300      | U                                     |
| 206-44-0Fluoranthene           | 300      | U                                     |
| 129-00-0Pyrene                 | 300      | U                                     |
| 56-55-3Benzo(a)anthracene      | 300      | U                                     |
| 218-01-9Chrysene               | 300      | U                                     |
| 205-99-2Benzo (b) fluoranthene | 300      | U                                     |
| 207-08-9Benzo(k)fluoranthene   | 300      | U                                     |
| 50-32-8Benzo(a)pyrene          | 300      | U                                     |
| 193-39-5Indeno(1,2,3-cd)pyrene | 300      | U I                                   |
| 53-70-3Dibenzo(a,h)anthracene  | 300      | U                                     |
| 191-24-2Benzo(g,h,i)perylene   | 300      | U                                     |
|                                |          | [                                     |
|                                |          |                                       |

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

- -

| Lab Name:        | MITKEM_CORPO | DRATION   | <br>Contract: |                | RPMW     | 06I    |
|------------------|--------------|-----------|---------------|----------------|----------|--------|
| Lab Code:        | MITKEM       | Case No.: | <br>SAS No.:  |                | SDG No.: | A1379_ |
| Matrix (soil/wat | er):         | WATER_    |               | Lab Sample ID: | A1379-1  | 0D     |
| Level (low/med)  | ):           | MED       |               | Date Received: | 09/20/02 |        |
|                  |              |           |               |                |          |        |

% Solids:

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

\_\_\_\_

\_\_\_\_\_

UG/L

· ···· - - ··· ··

| CAS No.  | Analyte   | Concentration | C | Q | M                 |
|----------|-----------|---------------|---|---|-------------------|
| 429-90-5 | Aluminum  |               |   |   | NR                |
| 440-36-0 | Antimony  |               |   |   | NR                |
| 440-38-2 | Arsenic   |               |   |   | INR               |
| 440-39-3 |           |               |   |   | NR                |
| 440-41-7 |           |               |   |   | NR                |
| 440-43-9 | Cadmium   |               |   |   | NR                |
| 440-70-2 | Calcium   |               |   |   | NR                |
| 440-47-3 | Chromium  |               |   |   | NR                |
| 440-48-4 | Cobalt    |               |   |   | NR                |
| 440-50-8 | Copper    |               |   |   | NR                |
| 439-89-6 | Iron      |               | U |   | P                 |
| 439-92-1 | Lead      |               |   |   | NR                |
| 439-95-4 | Magnesium |               |   |   | $_{\parallel}$ NR |
| 439-96-5 | Manganese | 20.4          | B |   | P                 |
| 439-97-6 |           |               |   |   | _ NR              |
| 440-02-0 | Nickel    |               |   |   | NR                |
| 440-09-7 | Potassium |               |   |   | NR                |
| 782-49-2 | Selenium  |               |   |   | NR                |
| 440-22-4 | Silver    |               |   |   | NR                |
| 440-23-5 | Sodium    |               |   |   | NR                |
| 440-28-0 | Thallium  |               |   |   | NR                |
| 440-62-2 | Vanadium  |               |   |   | NR                |
| 440-66-6 |           |               |   |   | NR                |
| ·····    | Cyanide   | 9.1           | B |   | _CA               |
|          |           | <u></u>       |   |   |                   |

| Color Before:                                 |  | Clarity Before: |  | Texture:   |             |
|---|--|-----------------|--|------------|-------------|
| Color After:                                  |  | Clarity After:  |  | Artifacts: | <del></del> |
| Comments:<br>TOTAL_METALS_FOR_SAMPLE_RPMW-06I |  |                 |  |            |             |
| · ·   |  |                 |  | ·          |             |

FORM I - IN

SW846

|                 |           | INORGAN   | l<br>INORGANIC ANALYSIS DATA SHEET |             |          |       |   |  |  |
|-----------------|-----------|-----------|------------------------------------|-------------|----------|-------|---|--|--|
| Lab Name:       | MITKEM_CO | RPORATION | Contract:                          |             | RPMW     | -06I  | - |  |  |
| Lab Code:       | MITKEM    | Case No.: | SAS No.:                           | ······      | SDG No.: | A1379 |   |  |  |
| Matrix (soil/wa | iter):    | WATER_    | Lab                                | Sample ID:  | A1379-   | 10F   |   |  |  |
| Level (low/med  | i):       | MED       | Dat                                | e Received: | 09/20/02 | 2     |   |  |  |
| % Solids:       |           |           |                                    |             |          |       |   |  |  |

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

UG/L

| CAS     | S No. | Analyte   | Concentration   | C            | Q       | М        |            |
|---------|-------|-----------|-----------------|--------------|---------|----------|------------|
| 7429-   | 90-5  | Aluminum  |                 |              |         | NR       |            |
| 7440-   |       | Antimony  |                 |              |         | NR       |            |
| 7440-   |       | Arsenic   | 1               |              |         | NR       |            |
| 7440-   | 39-3  | Barium    |                 |              |         | NR       |            |
| 7440-   | 41-7  | Beryllium |                 |              |         | NR       |            |
| _7440-  | 43-9  | Cadmium   | 1               |              |         | NR       |            |
| . 7440- | 70-2  | Calcium   |                 |              |         | NR       |            |
| 7440-   | 47-3  | Chromium  |                 |              |         | NR       |            |
|         | 48-4  | Cobalt    |                 |              |         | NR       |            |
|         | 50-8  |           |                 |              |         | NR       |            |
|         | 89-6  |           | 1               | B            |         | P        |            |
|         | 92-1  |           |                 |              | <u></u> | NR       |            |
| ſ       | 95-4  | Magnesium |                 |              |         | NR       |            |
| _7439-  | 96-5  | Manganese |                 | B            |         | P        |            |
| _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       |            |
| _       | 62-2  | Vanadium  |                 |              |         | _NR      |            |
|         | 66-6  | Zinc      |                 |              |         | NR       |            |
|         |       | Cyanide   |                 |              |         | NR       |            |
|         |       |           |                 |              |         | <u> </u> |            |
| Before: |       |           | Clarity Before: |              |         |          | Texture:   |
| After:  |       |           | Clarity After:  | <del>-</del> |         |          | Artifacts: |
| ents:   |       |           | LE_RPMW-061     |              |         |          |            |

- ---

SW846

\_\_\_\_

. . \_\_\_

-----

\_\_\_\_

· \_ ·

**CLIENT:** GEI Consultants, Inc. Client Sample ID: RPMW-06I Lab ID: A1379-10

## **Mitkem Corporation**

| Project: Keyspan                |
|---------------------------------|
| Collection Date: 09/19/02 16:57 |
| Matrix: AQUEOUS                 |

Date: 27-Sep-02

| Analyses                        | Result | Qual     | Limit     | Units      | DF | Date Analyzed  |
|---------------------------------|--------|----------|-----------|------------|----|----------------|
| NITROGEN (NITRATE) BY AUTOMATED | CD RED | J E353.2 | NO3       |            |    |                |
| Nitrate-N                       | ND     | -        | 0.50      | mg/L       | 10 | 09/20/02 12:00 |
| ALKALINITY BY TITRATION METHOD  |        | SM2320   | <b>_w</b> |            |    |                |
| Alkalinity, Total (As CaCO3)    | 370    |          | 20        | mg/L CaCO3 | 1  | 09/25/02 12:00 |
| FERROUS IRON BY PHENANTHROLINE  | METHO  | SM3500   | D_FE2_W   | 1          |    |                |
| Ferric Iron - Dissolved         | ND     |          | 250       | mg/L       | 25 | 09/20/02 11:40 |
| Ferric Iron                     | ND     |          | 250       | mg/L       | 25 | 09/20/02 11:40 |
| FERROUS IRON BY PHENANTHROLINE  | METHOD | SM3500   | D_FE3_W   | 1          |    |                |
| Ferrous Iron Dissolved          | ND     |          | 250       | mg/L       | 25 | 09/20/02 11:40 |
| Ferrous Iron                    | ND     |          | 250       | mg/L       | 25 | 09/20/02 11:40 |
| SULFATE BY TURBIDIMETRIC METHOD |        | SM4500   | _so4_w    |            |    |                |
| Sulfate                         | 470    |          | 180       | mg/L       | 25 | 09/23/02 13:41 |

- J Analyte detected below quanititation limits
- B Analyte detected in the associated Method Blank
- DF Dilution Factor

Qualifiers:

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

| 1A<br>VOLATILE ORGANICS ANALYSI  | EPA SAMPLE NO.                                 |
|--|--|
| Lab Name: MITKEM CORPORATION   | Contract:                                      |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1398                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1398-07A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6714                           |
| Level: (low/med) LOW   | Date Received: 09/25/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 10/03/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 50.0                          |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 2900<br>50<br>1100<br>400                      |

. . . . . . .

-

-

. *i* 

OLM03.0

#### 1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

| Lab Name: MITKEM CORPO   | ORATION Contract: | RPMW-07S                 |
|--------------------------|-------------------|--------------------------|
| Lab Code: MITKEM Ca      | ase No.: SAS No.: | : SDG No.: A1398         |
| Matrix: (soil/water) W   | WATER             | Lab Sample ID: A1398-07H |
| Sample wt/vol: 1         | 1000 (g/mL) ML    | Lab File ID: S1D1209     |
| Level: (low/med) 1       | WO                | Date Received: 09/25/02  |
| <pre>% Moisture: d</pre> | decanted: (Y/N)   | Date Extracted:09/25/02  |
| Concentrated Extract V   | /olume: 1000(uL)  | Date Analyzed: 10/01/02  |
| Injection Volume:        | 1.0 (uL)          | Dilution Factor: 50.0    |
| GPC Cleanup: (Y/N) N     | рн:               |                          |

-----

.

CAS NO.

COMPOUND

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

Q

|                                |      | rı  |
|--------------------------------|------|-----|
| 91-20-3Naphthalene             | 4500 |     |
| 91-57-62-Methylnaphthalene     | 480  | J   |
| 208-96-8Acenaphthylene         | 500  | ט   |
| 83-32-9Acenaphthene            | 230  | J   |
| 132-64-9Dibenzofuran           | 500  | U U |
| 86-73-7Fluorene                | 92   | J   |
| 85-01-8Phenanthrene            | 96   | J   |
| 120-12-7Anthracene             | 500  | U   |
| 206-44-0Fluoranthene           | 500  | ប   |
| 129-00-0Pyrene                 | 500  | U   |
| 56-55-3Benzo (a) anthracene    | 500  | U ] |
| 218-01-9Chrysene               | 500  | U   |
| 205-99-2Benzo (b) fluoranthene | 500  | U   |
| 207-08-9Benzo(k)fluoranthene   | 500  | U   |
| 50-32-8Benzo(a)pyrene          | 500  | U   |
| 193-39-5Indeno(1,2,3-cd)pyrene | 500  | U   |
| 53-70-3Dibenzo(a,h)anthracene  | 500  | U   |
| 191-24-2Benzo(g,h,i)perylene   | 500  | U   |
|                                |      |     |

#### I INORGANIC ANALYSIS DATA SHEET

|                 |           |           |               | 1401          |          |       |
|-----------------|-----------|-----------|---------------|---------------|----------|-------|
| Lab Name:       | MITKEM_CO | RPORATION | <br>Contract: |               | RPMW     | -07S  |
| Lab Code:       | MITKEM    | Case No.: | <br>SAS No.:  |               | SDG No.: | A1398 |
| Matrix (soil/wa | ater):    | WATER_    | L             | ab Sample ID: | A1398-   | 07E   |
| Level (low/me   | d):       | MED       | D             | ate Received: | 09/25/0  | 2     |
| % Solids:       |           |           |               |               |          |       |

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

С 0 Μ Concentration Analyte CAS No. NR Aluminum 7429-90-5 NR \_7440-36-0\_ Antimony\_ NR \_7440-38-2\_ Arsenic NR \_7440-39-3\_ Barium\_ NR 7440-41-7 Beryllium\_ NR Cadmium\_ \_7440-43-9\_ NR \_7440-70-2\_ Calcium\_ NR \_7440-47-3\_ Chromium\_ NR 7440-48-4 Cobalt\_ NR \_7440-50-8\_ Copper\_ P\_ .351\_ \_7439-89-6\_ Iron\_ NR \_7439-92-1 Lead\_ NR 7439-95-4 Magnesium\_ 194\_ E. **P**\_ Manganese\_ 7439-96-5 NR \_7439-97-6\_ Mercury\_ NR 7440-02-0\_ Nickel\_ NR Potassium \_7440-09-7\_ NR \_7782-49-2\_ Selenium\_ NR Silver \_7440-22-4\_ NR 7440-23-5 Sodium\_ NR \_7440-28-0\_ Thallium Vanadium\_ NR \_7440-62-2\_ NR Zinc \_7440-66-6\_ NR Cyanide\_

| Color Before:      |                  | Clarity Before: | <br>Texture:   |  |
|--------------------|------------------|-----------------|----------------|--|
| Color After:       |                  | Clarity After.  | <br>Artifacts: |  |
| Comments:<br>TOTAL | METALS_FOR_SAMPI | LE_RPMW-07S     | <br>           |  |
| <u> </u>           |                  |                 | <br>           |  |

FORM I - IN

SW846

000421

EPA SAMPLE NO.

UG/L

| 1                          |      |
|----------------------------|------|
| INORGANIC ANALYSIS DATA SH | IEET |

| EPA SAMPLE NO. |
|----------------|
|                |
| RPMW-07S       |

-----

-----

| Lab Name:      | MITKEM_CO | RPORATION | ,        | Contract:    |                |   |
|----------------|-----------|-----------|----------|--------------|----------------|---|
| Lab Code:      | MITKEM    | Case No.: | <u>+</u> | SAS No.:     | SDG No.: A1398 | B |
| Matrix (soil/w | ater):    | WATER_    |          | Lab Sample   | ID: A 1398-07F | _ |
| Level (low/me  | d):       | MED       |          | Date Receive | ed: 09/25/02   |   |
| % Solids:      |           |           |          |              |                |   |

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

UG/L

| CAS No.    | Analyte   | Concentration | C | Q        | М  |
|------------|-----------|---------------|---|----------|----|
| _7429-90-5 | Aluminum  |               |   |          | NR |
| _7440-36-0 | Antimony  |               |   |          | NR |
| 7440-38-2  | Arsenic   |               |   |          | NR |
| 7440-39-3  | Barium    |               |   |          | NR |
|            | Beryllium |               |   |          | NR |
| 7440-43-9  | -         | 1             |   |          | NR |
| 7440-70-2  | Calcium   |               |   |          | NR |
| _7440-47-3 | Chromium  |               |   |          | NR |
| 7440-48-4  | Cobalt    |               |   |          | NR |
| 7440-50-8  | Copper    |               |   | <u>.</u> | NR |
| _7439-89-6 | Iron      | 288           |   |          | P  |
| _7439-92-1 | Lead      |               |   |          | NR |
| 7439-95-4  | Magnesium |               |   |          | NR |
| _7439-96-5 | Manganese | 163           |   | E        | P  |
| _7439-97-6 | Mercury   |               |   |          | NR |
| _7440-02-0 | Nickel    |               |   |          | NR |
| _7440-09-7 | Potassium |               |   |          |    |
| _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 |
|            | Cyanide   |               |   |          | NR |

| Color Before:          |                 | Clarity Before: | <br>Texture:   |   |
|------------------------|-----------------|-----------------|----------------|---|
| Color After:           |                 | Clarity After:  | <br>Artifacts: | · |
| Comments:<br>DISSOLVEI | D_METALS_FOR_SA | MPLE_RPMW-07S   | <br>           |   |
| •                      |                 |                 | <br>           |   |

#### FORM I - IN

SW846

## **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-07SLab ID:A1398-07

#### Project: Keyspan Collection Date: 09/24/02 14:00 Matrix: AQUEOUS

| Analyses                        | Result  | Qual      | Limit      | Units      | DF | Date Analyzed  |
|---------------------------------|---------|-----------|------------|------------|----|----------------|
| ITROGEN (NITRATE) BY AUTOMATED  | CD REDI | J E353.2_ | NO3        |            |    |                |
| Nitrate-N                       | ND      |           | 0.050      | mg/L       | 1  | 09/25/02 14:54 |
| LKALINITY BY TITRATION METHOD   |         | SM2320    | _ <b>W</b> |            |    |                |
| Alkalinity, Total (As CaCO3)    | 390     |           | 20         | mg/L CaCO3 | 1  | 09/25/02 12:00 |
| ERROUS IRON BY PHENANTHROLINE   | METHOD  | SM3500    | D_FE2_W    | 1          |    |                |
| Femic Iron Dissolved            | ND      |           | 250        | mg/L       | 25 | 09/25/02 11:10 |
| Ferric Iron                     | ND      |           | 250        | mg/L       | 25 | 09/25/02 11:10 |
| ERROUS IRON BY PHENANTHROLINE   | METHOD  | SM3500    | D_FE3_W    | 1          |    |                |
| Ferrous Iron Dissolved          | ND      |           | 250        | mg/L UJ    | 25 | 09/25/02 11:10 |
| Ferrous Iron                    | ND      |           | 250        | mg/L し丁    | 25 | 09/25/02 11:10 |
| SULFATE BY TURBIDIMETRIC METHOD | •       | SM4500    | _SO4_W     |            |    |                |
| Sulfate                         | 15      |           | 7.0        | mg/L       | 1  | 09/26/02 13:47 |
| OTAL CYANIDE                    |         | SW9012    | 8_W        |            |    |                |
| Cyanide                         | 0,13    |           | 0.020      | mg/L       | 1  | 09/30/02 14:00 |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

DF - Dilution Factor

-

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit



| 1A<br>VOLATILE ORGANICS ANALYSIS   | EPA SAMPLE NO.                                 |
|--|--|
| Lab Name: MITKEM CORPORATION Co  | ntract:  |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1398                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1398-08A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6713                           |
| Level: (low/med) LOW   | Date Received: 09/25/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 10/03/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 20.0                          |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1100<br>20 U<br>1400<br>360                    |

- - - - -

. 1

- - -

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

--- ---

EPA SAMPLE NO.

| Lab Name: MITKEM CORI  | PORATION        | Contract:        | RPMW-07I     |
|------------------------|-----------------|------------------|--------------|
| Lab Code: MITKEM       |                 | SAS No.: SDO     | J NO.: A1398 |
| Matrix: (soil/water)   | WATER           | Lab Sample II    | D: A1398-08H |
| Sample wt/vol:         | 1000 (g/mL) ML  | Lab File ID:     | S1D1181      |
| Level: (low/med)       | LOW             | Date Received    | l: 09/25/02  |
| <pre>% Moisture:</pre> | decanted: (Y/N) | Date Extracte    | d:09/25/02   |
| Concentrated Extract   | Volume: 1000 (u | L) Date Analyzed | 1: 09/30/02  |
| Injection Volume:      | 1.0(uL)         | Dilution Fact    | or: 1.0      |
| GPC Cleanup: (Y/N)     | N pH:           |                  |              |

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

Q

|                                | <u></u> | 1 |
|--------------------------------|---------|---|
| 91-20-3Naphthalene             | 2500    | E |
| 91-57-62-Methylnaphthalene     | 730     | E |
| 208-96-8Acenaphthylene         | 12      | } |
| 83-32-9Acenaphthene            | 280     | E |
| 132-64-9Dibenzofuran           | 16      | - |
| 86-73-7Fluorene                | 100     |   |
| 85-01-8Phenanthrene            | 130     |   |
| 120-12-7Anthracene             | 16      |   |
| 206-44-0Fluoranthene           | 7       | J |
| 129-00-0Pyrene                 | 9       | J |
| 56-55-3Benzo (a) anthracene    | 1       | J |
| 218-01-9Chrysene               | 10      | U |
| 205-99-2Benzo (b) fluoranthene | 10      | U |
| 207-08-9Benzo(k)fluoranthene   | 10      | U |
| 50-32-8Benzo(a)pyrene          | 10      | Ũ |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10      | Ũ |
| 53-70-3Dibenzo(a,h)anthracene  | 10      | U |
| 191-24-2Benzo(g,h,i)perylene   | 10      | U |
|                                |         |   |

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RPMW-07IDL Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1398 Matrix: (soil/water) WATER Lab Sample ID: A1398-08HDL Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1D1206 Level: (low/med) LOW Date Received: 09/25/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:09/25/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/01/02 Dilution Factor: 75.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

COMPOUND

CAS NO.

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

Q

|                                    | T    | 1   |
|------------------------------------|------|-----|
| 91-20-3Naphthalene                 | 5200 | D   |
| 91-57-62-Methylnaphthalene         | 510  | [DJ |
| 208-96-8Acenaphthylene             | 750  | ប   |
| 83-32-9Acenaphthene                | 300  | DJ  |
| 132-64-9Dibenzofuran               | 750  | U   |
| 86-73-7Fluorene                    | 87   | DJ  |
| 85-01-8Phenanthrene                | 120  | DJ  |
| 120-12-7Anthracene                 | 750  | U   |
| 206-44-0Fluoranthene               | 750  | U   |
| 129-00-0Pyrene                     | 750  | U   |
| 56-55-3Benzo (a) anthracene        | 750  | U   |
| 218-01-9Chrysene                   | 750  | U   |
| 205-99-2Benzo(b) fluoranthene      | 750  | U   |
| 207-08-9Benzo(k)fluoranthene       | 750  | U   |
| 50-32-8Benzo (a) pyrene            | 750  | U   |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 750  | υ   |
| 53-70-3Dibenzo (a, h) anthracene   | 750  | ប , |
| 191-24-2Benzo(g,h,i)perylene       | 750  | ע   |
|                                    |      |     |
|                                    |      |     |

FORM I SV-1

#### 1 INORGANIC ANALYSIS DATA SHEET

|                  |              | monormanorman |           |                |          |       |
|------------------|--------------|---------------|-----------|----------------|----------|-------|
| Lab Name:        | MITKEM_CORPO | ORATION       | Contract: |                | RPMW     | -07I  |
| Lab Code:        | MITKEM       | Case No.:     | SAS No.   | :              | SDG No.: | A1398 |
| Matrix (soil/wat | ter):        | WATER_        |           | Lab Sample ID: | A1398-0  | )8E   |
| Level (low/med   | ):           | MED           |           | Date Received: | 09/25/02 | ·     |
|                  |              |               |           |                |          |       |

% Solids:

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

С Concentration Q М CAS No. Analyte NR 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 Cadmium 7440-43-9 NR \_7440-70-2. Calcium \_7440-47-3\_ Chromium\_ NR NR \_7440-48-4\_ Cobalt\_ NR Copper\_ \_7440-50-8\_ U\_ Ρ. 35.0\_ 7439-89-6 Iron Lead\_ NR \_7439-92-1\_ NR 7439-95-4 Magnesium\_ \_33.7\_ **B**\_ E Р \_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\_ Thallium\_ NR \_7440-28-0\_ NR Vanadium\_ \_7440-62-2\_ NR Zinc \_7440-66-6\_ NR Cyanide\_

| Color Before:       | - <u></u>                       | Clarity Before: |                                       | Texture:   |            |
|---------------------|---------------------------------|-----------------|---------------------------------------|------------|------------|
| Color After:        |                                 | Clarity After:  |                                       | Artifacts: | . <u> </u> |
| Comments:<br>TOTAL_ | METALS_FOR_SAMP                 | LE_RPMW-07I     |                                       |            |            |
|                     |                                 |                 | · · · · · · · · · · · · · · · · · · · |            | •          |
| <del></del>         | • • • • • • • • • • • • • • • • |                 |                                       |            |            |

FORM I - IN

SW846

## 000419

| EPA SAMPLE NO. |
|----------------|
|----------------|

UG/L

| 1                          |      |
|----------------------------|------|
| INORGANIC ANALYSIS DATA SH | IEET |

|                  |              | 110100    | 75.FT AT C 177.AL |           |                |          |       |
|------------------|--------------|-----------|-------------------|-----------|----------------|----------|-------|
| Lab Name:        | MITKEM CORPO | ORATION   |                   | Contract: |                | RPMW-    | ·07I  |
| Lab Code:        | –<br>MITKEM  | Case No.: |                   | SAS No.:  |                | SDG No.: | A1398 |
| Matrix (soil/wat | ter):        | WATER_    |                   | 1         | Lab Sample ID: | A1398-0  | 8F    |
| Level (low/med   | ):           | MED       |                   | 1         | Date Received: | 09/25/02 |       |
|                  |              |           |                   |           |                |          |       |

% Solids:

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

\_\_\_\_

.....

UG/L

EPA SAMPLE NO.

| CAS No.    | Analyte   | Concentration | С | Q             | м           |
|------------|-----------|---------------|---|---------------|-------------|
|            | Aluminum  |               |   |               | NR          |
| _7440-36-0 | Antimony  |               |   |               | NR          |
| _7440-38-2 | Arsenic   | P             |   |               | NR          |
| 7440-39-3  | Barium    |               |   | <u></u> ,,    | 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    |               |   | <u> </u>      | NR          |
| _7439-89-6 | Iron      |               | B |               | P           |
| _7439-92-1 | Lead      |               |   |               | NR          |
| _7439-95-4 | Magnesium |               |   |               | NR          |
| _7439-96-5 | Manganese |               | B | _E            | P           |
| _7439-97-6 | Mercury   |               |   |               | $\_NR$      |
| _7440-02-0 |           |               |   |               | $_{\rm NR}$ |
| _7440-09-7 | Potassium |               |   |               | NR          |
| _7782-49-2 | Selenium  |               |   |               | NR          |
| _7440-22-4 | Silver    |               |   |               | $_{\rm NR}$ |
| _7440-23-5 | Sodium    |               |   | <del></del> - | NR          |
| _7440-28-0 | Thallium  |               |   |               | NR          |
| 7440-62-2  | Vanadium  |               |   |               | $\perp$ NR  |
| 7440-66-6  | Zinc      |               |   |               | NR          |
|            | Cyanide   |               |   |               | NR          |

| Color Before:        | - <u></u>        | Clarity Before: | <br>Texture:   |          |
|----------------------|------------------|-----------------|----------------|----------|
| Color After:         |                  | Clarity After:  | <br>Artifacts: | <u> </u> |
| Comments:<br>DISSOLV | VED_METALS_FOR_S | AMPLE_RPMW-07I  | <br>           |          |
|                      |                  |                 | <br>           |          |

FORM I - IN

- ---

SW846

## **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-07ILab ID:A1398-08

### Project: Keyspan Collection Date: 09/24/02 12:10 Matrix: AQUEOUS

| Inalyses                       | Result  | Qual     | Limit   | Units      | DF | Date Analyzed  |
|--------------------------------|---------|----------|---------|------------|----|----------------|
| ITROGEN (NITRATE) BY AUTOMATED | CD REDI | J E353.2 | NO3     |            |    |                |
| Nitrate-N                      | ND      | _        | 0.25    | mg/L       | 5  | 10/02/02 14:30 |
| LKALINITY BY TITRATION METHOD  |         | SM2320   | W       |            |    |                |
| Alkalinity, Total (As CaCO3)   | 260     |          | 20      | mg/L CaCO3 | 1  | 09/25/02 12:00 |
| ERROUS IRON BY PHENANTHROLINE  |         | SM3500   | D FE2 W | ,          |    |                |
| Ferric Iron - Dissolved        | ND      |          | 50      | mg/L       | 5  | 09/25/02 11:10 |
| Ferric Iron                    | ND      |          | 50      | mg/L       | 5  | 09/25/02 11:10 |
| ERROUS IRON BY PHENANTHROLINE  | METHOD  | SM3500   | D FE3 M | 1          |    |                |
| Ferrous Iron Dissolved         | ND      |          | 50      | mg/L U丁    | 5  | 09/25/02 11:10 |
| Ferrous Iron                   | ND      |          | 50      | mg/L UJ    | 5  | 09/25/02 11:10 |
| ULFATE BY TURBIDIMETRIC METHOD | )       | SM4500   | _SO4_W  |            |    |                |
| Sulfate                        | 130     |          | 35      | mg/L       | 5  | 09/26/02 13:47 |
| OTAL CYANIDE                   |         | SW9012   | :B_W    |            |    |                |
| Cyanide                        | ND      |          | 0.020   | mg/L       | 1  | 09/30/02 14:00 |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quanititation limits
- B Analyte detected in the associated Method Blank
- DF Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

#### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

| Lab Name: MITKEM CORPORATION   | Contract: $\begin{array}{c} XX092402-1\\ RPmW-07I(0)P \end{array}$ |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1398  |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1398-11A   |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6738   |
| Level: (low/med) LOW   | Date Received: 09/25/02  |
| % Moisture: not dec.   | Date Analyzed: 10/04/02  |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 25.0  |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)   |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q                     |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1200<br>25 U<br>1400<br>380  |

.

· í

\_

- -- ---

.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1

- - - -

| Lab Name: MITKEM COR   | PORATION             | Contract:           | RPMWXX092402-1<br>RPMW07I (Dur) |
|------------------------|----------------------|---------------------|---------------------------------|
| Lab Code: MITKEM       | Case No.:            | SAS No.: SDG        | No.: A1398                      |
| Matrix: (soil/water)   | WATER                | Lab Sample ID:      | A1398-11H                       |
| Sample wt/vol:         | 1000 (g/mL) ML       | Lab File ID:        | S1D1193                         |
| Level: (low/med)       | LOW                  | Date Received:      | 09/25/02                        |
| <pre>% Moisture:</pre> | decanted: $(Y/N)_{}$ | Date Extracted      | 1:09/25/02                      |
| Concentrated Extract   | Volume: 1000         | (uL) Date Analyzed: | 10/01/02                        |
| Injection Volume:      | 1.0(uL)              | Dilution Facto      | r: 1.0                          |
| GPC Cleanup: (Y/N)     | N pH:                | -                   |                                 |

CAS NO. COMPOUND

\_\_\_\_ ·

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

Q

|                                | ]    | J   |
|--------------------------------|------|-----|
| 91-20-3Naphthalene             | 2600 | E   |
| 91-57-62-Methylnaphthalene     | 760  | E   |
| 208-96-8Acenaphthylene         | 12   |     |
| 83-32-9Acenaphthene            | 280  | B   |
| 132-64-9Dibenzofuran           | 16   |     |
| 86-73-7Fluorene                | 100  |     |
| 85-01-8Phenanthrene            | 130  |     |
| 120-12-7Anthracene             | 16   |     |
| 206-44-0Fluoranthene           | 8    | J   |
| 129-00-0Pyrene                 | Í 9  | J   |
| 56-55-3Benzo(a)anthracene      | 10   | U   |
| 218-01-9Chrysene               | 10   | U ( |
| 205-99-2Benzo(b)fluoranthene   | 10   | U   |
| 207-08-9Benzo(k)fluoranthene   | 10   | U   |
| 50-32-8Benzo(a)pyrene          | 10   | U   |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10   | U   |
| 53-70-3Dibenzo(a,h)anthracene  | 10   | U   |
| 191-24-2Benzo(g,h,i)perylene   | 10   | U   |
|                                |      | }   |

FORM I SV-1

EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMWXX09 2402-1DL (9)

| Lab Name: MITKEM COR | PORATION Contrac | t: RPMWO7I (DUP            |
|----------------------|------------------|----------------------------|
| Lab Code: MITKEM (   | Case No.: SAS No | .: SDG No.: A1398          |
| Matrix: (soil/water) | WATER            | Lab Sample ID: A1398-11HDL |
| Sample wt/vol:       | 1000 (g/mL) ML   | Lab File ID: S1D1208       |
| Level: (low/med)     | LOW              | Date Received: 09/25/02    |
| € Moisture:          | decanted: (Y/N)  | Date Extracted:09/25/02    |
| Concentrated Extract | Volume: 1000(uL) | Date Analyzed: 10/01/02    |
| Injection Volume:    | 1.0 (uL)         | Dilution Factor: 75.0      |
| GPC Cleanup: (Y/N)   | N pH:            |                            |
|                      |                  |                            |

CAS NO.

COMPOUND

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

• • Q

| 91-20-3Naphthalene                 | 5400 | D  |
|------------------------------------|------|----|
| 91-57-62-Methylnaphthalene         | 550  | DJ |
| 208-96-8Acenaphthylene             | 750  | U  |
| 83-32-9Acenaphthene                | 300  | DJ |
| 83-32-9ACEIMphichaic               | 750  | U  |
| 132-64-9Dibenzofuran               | 86   |    |
| 86-73-7Fluorene                    | 120  |    |
| 85-01-8Phenanthrene                | 750  |    |
| 120-12-7Anthracene                 | 750  | -  |
| 206-44-0Fluoranthene               |      |    |
| 129-00-0Pyrene                     | 750  |    |
| 56-55-3Benzo(a)anthracene          | 750  | -  |
| 218-01-9Chrysene                   | 750  | -  |
| 205-99-2Benzo (b) fluoranthene     | 750  | U  |
| 207-08-9Benzo(k)fluoranthene       | 750  | U  |
| 50-32-8Benzo (a) pyrene            | 750  | U  |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 750  | U  |
| 53-70-3Dibenzo(a,h)anthracene      | 750  |    |
| 53-70-3Dimenzo(a, ii)ancinacene    | 750  |    |
| 191-24-2Benzo(g,h,i)perylene       |      | -  |
|                                    | l    |    |

#### 1 INORGANIC ANALYSIS DATA SHEET

|                  |              |           | <br>          |      |            |                  |                  |
|------------------|--------------|-----------|---------------|------|------------|------------------|------------------|
| Lab Name:        | MITKEM_CORPO | DRATION   | <br>Contract: |      |            | XX0924<br>RPMWO- | 02-1<br>II (DVP) |
| Lab Code:        | MITKEM       | Case No.: | <br>SAS No.   | .:   |            | SDG No.:         | A1398            |
| Matrix (soil/wat | er):         | WATER_    |               | Lab  | Sample ID: | A1398-1          | 1E               |
| Level (low/med)  | ):           | MED       |               | Date | Received:  | 09/25/02         |                  |
|                  |              |           |               |      |            |                  |                  |

% Solids:

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

UG/L

EPA SAMPLE NO.

| CAS No.    | Analyte   | Concentration                         | C  | Q  | м  |
|------------|-----------|---------------------------------------|----|--|----|
| _7429-90-5 | Aluminum  |                                       |    |  | NR |
| _7440-36-0 | Antimony  |                                       |    | - <b></b>  | 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      | 35.0                                  | U_ |  | P  |
| _7439-92-1 | Lead      |                                       |    |  | NR |
| _7439-95-4 | Magnesium |                                       |    |  | NR |
| _7439-96-5 | Manganese | 33.6                                  | B  | E  | P  |
| _7439-97-6 | Mercury   |                                       |    |  | NR |
| _7440-02-0 | Nickel    |                                       |    |  | NR |
| _7440-09-7 | Potassium |                                       |    | • <del>•</del> • • • • • • • • • • • • • • • • • | 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 |
|            | Cyanide   |                                       |    |  | NR |

| Color Before:        | <del></del>     | Clarity Before: | <u> </u> | Texture:   | <del></del> |
|----------------------|-----------------|-----------------|----------|------------|-------------|
| Color After:         |                 | Clarity After:  |          | Artifacts: |             |
| Comments:<br>TOTAL_I | METALS_FOR_SAMP | LE_XX092402-1   |          |            |             |
|                      |                 |                 |          |            |             |

FORM I - IN

SW846

|             | 1        |      |       |
|-------------|----------|------|-------|
| INORGANIC . | ANALYSIS | DATA | SHEET |

|                  |              | mont      | 5/11/10 / 11/11 |           | 01-22-         |                  |                                       |
|------------------|--------------|-----------|-----------------|-----------|----------------|------------------|---------------------------------------|
| Lab Name:        | MITKEM_CORPO | ORATION   |                 | Contract: |                | XX0924<br>RPMW0- | 102-1<br>7 I (DUP)                    |
| Lab Code:        | MITKEM       | Case No.: |                 | SAS No.   | :              | SDG No.:         | A1398                                 |
| Matrix (soil/wat | ter):        | WATER_    |                 |           | Lab Sample ID: | A1398-1          | 1F                                    |
| Level (low/med   | ):           | MED       |                 |           | Date Received: | 09/25/02         | · · · · · · · · · · · · · · · · · · · |
|                  |              |           |                 |           |                |                  |                                       |

% Solids:

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

UG/L

EPA SAMPLE NO.

| CAS No.    | Analyte   | Concentration | С | Q       | м            |
|------------|-----------|---------------|---|---------|--------------|
| _7429-90-5 | Aluminum  |               |   |         | NR           |
| _7440-36-0 | Antimony  |               |   |         | NR           |
| _7440-38-2 | Arsenic   |               |   |         | NR           |
| _7440-39-3 | Barium    |               |   | <u></u> | NR           |
| _7440-41-7 | Beryllium |               |   |         | NR           |
| _7440-43-9 | Cadmium   |               |   |         | NR           |
| 7440-70-2  | Calcium   |               |   |         | <u> </u> NR  |
| _7440-47-3 | Chromium  |               |   |         | $_{\rm NR}$  |
| _7440-48-4 | Cobalt    |               |   |         | NR           |
| 7440-50-8  | Copper    |               |   |         | NR           |
| 7439-89-6  |           |               | B |         | !P           |
| 7439-92-1  |           |               |   |         | NR           |
| 7439-95-4  |           |               |   |         | NR           |
|            |           | 41.8          | B | E       | P            |
| 7439-97-6  |           |               |   |         | NR           |
| 7440-02-0  |           |               |   |         | NR           |
| 7440-09-7  |           |               |   |         |              |
| 7782-49-2  |           |               |   |         | $_{\mid}$ NR |
| 7440-22-4  |           |               |   |         | NR           |
| 7440-23-5  |           |               |   |         |              |
| 7440-28-0  |           |               |   |         | NR           |
| _7440-62-2 | Vanadium  |               |   |         | NR           |
| 7440-66-6  |           |               |   |         |              |
| _,         | Cyanide   |               |   | -       | NR           |

| Color Before:         |                  | Clarity Before:  | <br>Texture:   | <del></del> |
|-----------------------|------------------|------------------|----------------|-------------|
| Color After:          | <u></u>          | Clarity After:   | <br>Artifacts: |             |
| Comments:<br>DISSOLVE | ED_METALS_FOR_SA | AMPLE_XX092402-1 | <br>           |             |
|                       |                  |                  | <br><u>.</u>   |             |

FORM I - IN

SW846

## **Mitkem Corporation**

| CLIENT:                  | GEI Consultants, Inc.    | Project: Keyspan                |  |
|--------------------------|--------------------------|---------------------------------|--|
| <b>Client Sample ID:</b> | XX092402-1 RPMW 07I (PUP | Collection Date: 09/24/02 12:13 |  |
| Lab ID:                  | A1398-11                 | Matrix: AQUEOUS                 |  |

| Analyses                      | <u>Result</u> | Qual     | Limit     | Units      | DF | Date Analyzed  |
|-------------------------------|---------------|----------|-----------|------------|----|----------------|
| NITROGEN (NITRATE) BY AUTOMAT | ED CD REDI    | J E353.2 | NO3       |            |    |                |
| Nitrate-N                     | ND            |          | 0.25      | mg/L       | 5  | 09/25/02 14:54 |
| ALKALINITY BY TITRATION METHO | D             | SM232    | <b>w_</b> |            |    |                |
| Alkalinity, Total (As CaCO3)  | 280           |          | 20        | mg/L CaCO3 | 1  | 09/25/02 12:00 |
| FERROUS IRON BY PHENANTHROL   | INE METHOD    | SM350    | D_FE2_W   | 1          |    |                |
| Ferric Iron Dissolved         | ND            |          | 50        | mg/L       | 5  | 09/25/02 11:10 |
| Ferric Iron                   | ND            |          | 50        | mg/L       | 5  | 09/25/02 11:10 |
| FERROUS IRON BY PHENANTHROL   | INE METHOD    | SM3500   | D_FE3_W   | 1          |    |                |
| Ferrous Iron - Dissolved      | ND            |          | 50        | mg/L UT    | 5  | 09/25/02 11:10 |
| Ferrous Iron                  | ND            |          | 50        | mg/L UJ    | 5  | 09/25/02 11:10 |
| SULFATE BY TURBIDIMETRIC METH | IOD           | SM4500   | _SO4_W    |            |    |                |
| Sulfate                       | 140           |          | 35        | mg/L       | 5  | 09/26/02 13:47 |
| TOTAL CYANIDE                 |               | SW9012   | 2B_W      |            |    |                |
| Cyanide                       | ND            |          | 0.020     | mg/L       | 1  | 09/30/02 14:00 |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

DF - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

| 1A<br>VOLATILE ORGANICS ANALYSIS DATA  | EPA SAMPLE NO.                             |
|--|--|
| Lab Name: MITKEM CORPORATION Contra  | RPMW-07D                                   |
| Lab Code: MITKEM Case No.: SAS 1   | No.: SDG No.: A1398                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1398-09A                   |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6707                       |
| Level: (low/med) LOW   | Date Received: 09/25/02                    |
| % Moisture: not dec.   | Date Analyzed: 10/03/02                    |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 2.0                       |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                   |
|  | NCENTRATION UNITS:<br>g/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 11       15       150       74             |

. í

#### 1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

| Lab Name: MITKEM COR   | PORATION Contract | . RPMW-07D               |
|------------------------|-------------------|--------------------------|
| had funce. Million cor |                   | • )                      |
| Lab Code: MITKEM (     | Case No.: SAS No. | : SDG No.: A1398         |
| Matrix: (soil/water)   | WATER             | Lab Sample ID: A1398-09H |
| Sample wt/vol:         | 1000 (g/mL) ML    | Lab File ID: S1D1207     |
| Level: (low/med)       | LOW               | Date Received: 09/25/02  |
| <pre>% Moisture:</pre> | decanted: (Y/N)   | Date Extracted:09/25/02  |
| Concentrated Extract   | Volume: 1000(uL)  | Date Analyzed: 10/01/02  |
| Injection Volume:      | 1.0 (uL)          | Dilution Factor: 6.0     |
| GPC Cleanup: (Y/N)     | N pH:             |                          |

COMPOUND

CAS NO.

----

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

Q

|                                    |     | I        |
|------------------------------------|-----|----------|
| 91-20-3Naphthalene                 | 480 |          |
| 91-57-62-Methylnaphthalene         | 29  | J        |
| 208-96-8Acenaphthylene             | 60  | 1 1      |
| 83-32-9Acenaphthene                | 11  | J        |
| 132-64-9Dibenzofuran               | 60  | ע        |
| 86-73-7Fluorene                    | 8   | J        |
| 85-01-8Phenanthrene                | 29  | J        |
| 120-12-7Anthracene                 | 7   | J        |
| 206-44-0Fluoranthene               | 7   | J        |
| 129-00-0Pyrene                     | 10  | J        |
| 56-55-3Benzo (a) anthracene        | 60  | <b>ט</b> |
| 218-01-9Chrysene                   | 60  | υ        |
| 205-99-2Benzo (b) fluoranthene     | 60  | ប        |
| 207-08-9Benzo(k) fluoranthene      | 60  | υ        |
| 50-32-8Benzo (a) pyrene            | 60  | υ        |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 60  | ับ       |
| 53-70-3Dibenzo(a,h)anthracene      | 60  | U        |
| 191-24-2Benzo (g, h, i) perylene   | 60  | U        |
|                                    |     |          |
|                                    | -   |          |

- -- --

#### 1 INORGANIC ANALYSIS DATA SHEET

| Lab Name:       | MITKEM_CO | RPORATION |          | Contract: |               | RPMW-    | 07D   |
|-----------------|-----------|-----------|----------|-----------|---------------|----------|-------|
| Lab Code:       | MITKEM    | Case No.: | <u> </u> | SAS No.:  |               | SDG No.: | A1398 |
| Matrix (soil/wa | ater):    | WATER_    |          | La        | b Sample ID:  | A1398-   | 09E   |
| Level (low/me   | d):       | MED       |          | Da        | ate Received: | 09/25/0  | 2     |
| % Solids:       |           |           |          |           |               |          |       |

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

UG/L

EPA SAMPLE NO.

| CAS No.    | Analyte   | Concentration | С | Q        | М  |
|------------|-----------|---------------|---|----------|----|
|            | 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 |
|            | Cobalt    |               |   |          | NR |
| _7440-50-8 | Copper    |               |   | <u> </u> | NR |
| _7439-89-6 | 1         | 2770          |   |          | P  |
| 7439-92-1  | Lead      |               |   |          | NR |
| 7439-95-4  | Magnesium |               |   |          | NR |
| _7439-96-5 | Manganese | 875           |   | <u> </u> | P  |
| _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    |               |   | <u></u>  | NR |
| 7440-28-0  | Thallium  |               |   |          | NR |
| 7440-62-2  | Vanadium  |               |   |          | NR |
| 7440-66-6  | Zinc      |               |   | <u></u>  | NR |
|            | Cyanide   |               |   |          | NR |

| Color Before:         |                 | Clarity Before: | <br>Texture:   |  |
|-----------------------|-----------------|-----------------|----------------|--|
| Color After:          |                 | Clarity After:  | <br>Artifacts: |  |
| Comments:<br>TOTAL_ME | ETALS_FOR_SAMPI | E_RPMW-07D      | <br>           |  |

SW846

#### I INORGANIC ANALYSIS DATA SHEET

|                 |             | INOR      | GANIC ANA | ALYSIS DATA | SHEET          | · · · · · · |       |
|-----------------|-------------|-----------|-----------|-------------|----------------|-------------|-------|
| Lab Name:       | MITKEM COR  | PORATION  |           | Contract:   |                | RPMW-       | 07D   |
| Lab Code:       | -<br>MITKEM | Case No.: |           | SAS No      | .:             | SDG No.:    | A1398 |
| Matrix (soil/wa | ter):       | WATER_    |           |             | Lab Sample ID: | A1398-      | 09F   |
| Level (low/med  | i):         | MED       |           |             | Date Received: | 09/25/0     | 2     |
|                 |             |           |           |             |                |             |       |

% Solids:

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

UG/L

EPA SAMPLE NO.

| CAS No.    | Analyte   | Concentration | C | Q | М    |
|------------|-----------|---------------|---|---|------|
| _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    |               |   |   | NF   |
| 7440-50-8  | Copper    |               |   |   | NF   |
|            |           |               | U |   | P    |
| 7439-92-1  | Lead      |               |   |   | NF   |
| 7439-95-4  | Magnesium |               |   |   | NF   |
| 7439-96-5  | Manganese |               |   | E | P    |
| _7439-97-6 |           |               |   |   | NF   |
| 7440-02-0  | Nickel    |               |   |   | NF   |
| 744009-7   | Potassium |               |   | · | NF   |
| _7782-49-2 | Selenium  |               |   |   | NF   |
| 7440-22-4  | Silver    |               |   |   | _ NF |
|            | Sodium    |               |   |   | NF   |
| 7440-28-0  | Thallium  |               |   |   | NF   |
| 7440-62-2  | Vanadium  |               |   |   | NF   |
| 7440-66-6  | Zinc      |               |   |   | NR   |
|            | Cyanide   |               |   |   | NF   |

| Color Before:          | <br>Clarity Before: | <br>Texture:   |   |
|------------------------|---------------------|----------------|---|
| Color After:           | <br>Clarity After:  | <br>Artifacts: |   |
| Comments:<br>DISSOLVED | <br>PLE_RPMW-07D    |                | • |

FORM I - IN

SW846

## **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-07DLab ID:A1398-09

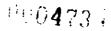
### Project: Keyspan Collection Date: 09/24/02 10:15 Matrix: AQUEOUS

| nalyses                        | Result | Qual     | Limit     | Units  |      | DF | Date Analyzed  |
|--------------------------------|--------|----------|-----------|--------|------|----|----------------|
| ITROGEN (NITRATE) BY AUTOMATED | CD RED | J E353.2 | NO3       |        |      |    |                |
| Nitrate-N                      | 0.55   |          | 0.10      | mg/L   |      | 2  | 09/25/02 14:54 |
| LKALINITY BY TITRATION METHOD  |        | SM232    | <b>w_</b> |        |      |    |                |
| Alkalinity, Total (As CaCO3)   | 540    |          | 20        | mg/L C | aCO3 | 1  | 09/25/02 12:00 |
| ERROUS IRON BY PHENANTHROLINE  | METHOD | SM350    | D_FE2_W   | 1      |      |    |                |
| Ferric Iron Dissolved          | ND     |          | 500       | mg/L   |      | 50 | 09/25/02 11:10 |
| Ferric Iron                    | ND     |          | 500       | mg/L   |      | 50 | 09/25/02 11:10 |
| ERROUS IRON BY PHENANTHROLINE  | METHOD | SM350    | D_FE3_W   | 1      |      |    |                |
| Ferrous Iron - Dissolved       | ND     |          | 500       | mg/L   | UJ   | 50 | 09/25/02 11:10 |
| Ferrous Iron                   | ND     |          | 500       | mg/L   | 05   | 50 | 09/25/02 11:10 |
| ULFATE BY TURBIDIMETRIC METHOD | I.     | SM4500   | W         |        |      |    |                |
| Sulfate                        | 1900   |          | 350       | mg/L   |      | 50 | 09/26/02 13:47 |
| OTAL CYANIDE                   |        | SW9012   | 28_W      |        |      |    |                |
| Cyanide                        | ND     |          | 0.020     | mg/L   |      | 1  | 09/30/02 14:00 |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- **DF** Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit



|          | -        | LA       |      |       |  |
|----------|----------|----------|------|-------|--|
| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |  |

EPA SAMPLE NO.

| Lab Name: MITKEM CORPORATION   | Contract:                                      |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1398                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1398-10A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6706                           |
| Level: (low/med) LOW   | Date Received: 09/25/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 10/03/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 2<br>1<br>5<br>1<br>0<br>5<br>1<br>0           |

۲

i.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-07D2

| Lab Name: MITKEM CORPORATION           | Contract:                   |
|--|-----------------------------|
| Lab Code: MITKEM Case No.:             | SAS NO.: SDG NO.: A1398     |
| Matrix: (soil/water) WATER             | Lab Sample ID: A1398-10C    |
| Sample wt/vol: 1000 (g/mL) ML          | Lab File ID: S1D1170        |
| Level: (low/med) LOW                   | Date Received: 09/25/02     |
| <pre>% Moisture: decanted: (Y/N)</pre> | Date Extracted:09/25/02     |
| Concentrated Extract Volume: 1000      | uL) Date Analyzed: 09/30/02 |
| Injection Volume: 1.0(uL)              | Dilution Factor: 1.0        |
| GPC Cleanup: (Y/N) N pH:               |                             |
|  | CONCENTRATION UNITS:        |

CAS NO.

-- -

COMPOUND

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

Q

| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Fluorene         85-01-8Phenanthrene         120-12-7Anthracene         206-44-0Fluoranthene         129-00-0Pyrene         56-55-3 |
|--|
|--|

FORM I SV-1

000**218** i

## **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-07D2Lab ID:A1398-10

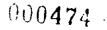
### Project: Keyspan Collection Date: 09/24/02 9:00 Matrix: AQUEOUS

| Analyses      | Result Q | ual Limit | Units | DF | Date Analyzed  |
|---------------|----------|-----------|-------|----|----------------|
| TOTAL CYANIDE |          | W9012B_W  | _     |    |                |
| Cyanide       | ND       | 0.020     | mg/L  | 1  | 09/30/02 14:00 |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- **DF** Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit



#### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

. . .

EPA SAMPLE NO.

. ....

.....

|                                 |                 |                                       | ( <u> </u>                      | <u> </u> |
|---------------------------------|-----------------|---------------------------------------|---------------------------------|----------|
| Lab Name: MITKEM COR            | PORATION        | Contract:                             | RPMW-08S                        |          |
| Lab Code: MITKEM                | Case No.:       | SAS No.:                              | SDG No.: A1361                  |          |
| Matrix: (soil/water)            | WATER           | Lab Sample                            | ID: A1361-04A                   |          |
| Sample wt/vol:                  | 5.000 (g/mL) ML | Lab File II                           | D: V3A6480                      |          |
| Level: (low/med)                | LOW             | Date Receiv                           | ved: 09/18/02                   |          |
| <pre>% Moisture: not dec.</pre> |                 | Date Analy:                           | zed: 09/25/02                   |          |
| GC Column: RTX-502.2            | ID: 0.53 (mm)   | Dilution Fa                           | actor: 1.0                      |          |
| Soil Extract Volume:            | (uL)            | Soil Alique                           | ot Volume:                      | (uL)     |
| CAS NO.                         | COMPOUND        | CONCENTRATION UN<br>(ug/L or ug/Kg) ( |                                 |          |
|                                 |                 |                                       | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |          |

#### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-08S Lab Name: MITKEM CORPORATION Contract: SDG No.: A1361 Case No.: SAS No.: Lab Code: MITKEM Lab Sample ID: A1361-04C Matrix: (soil/water) WATER 1000 (g/mL) ML Lab File ID: S1D1136 Sample wt/vol: Date Received: 09/18/02 Level: (low/med) LOW Date Extracted:09/18/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 09/27/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N рн: \_\_\_\_ CONCENTRATION UNITS: Q (ug/L or ug/Kg) UG/L COMPOUND CAS NO.

FORM I SV-1

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

| Lab Name:                                       | MITKEM_CORPO | DRATION   | Contract: | ·····          | RPMW-(   | )8S   |
|---|--------------|-----------|-----------|----------------|----------|-------|
| Lab Code:                                       | MITKEM       | Case No.: | SAS No    | .:             | SDG No.: | A1361 |
| Matrix (soil/wat                                | er):         | WATER_    |           | Lab Sample ID: | A1361-0  | 4B    |
| Level (low/med)                                 | ):           | MED       |           | Date Received: | 09/18/02 |       |
| % Solids:                                       |              |           |           |                |          |       |
| Concentration Units (ug/L or mg/kg dry weight): |              |           | t):       |                | UG/L     |       |

| CAS No.   | Analyte   | Concentration | C | Q       | м          |
|-----------|-----------|---------------|---|---------|------------|
| 7429-90-5 | Aluminum  |               |   |         | NR         |
| 7440-36-0 | Antimony  |               |   |         | INR        |
| 7440-38-2 |           |               |   |         | INR        |
| 7440-39-3 | Barium    |               |   |         | INR        |
| 7440-41-7 | Beryllium |               |   |         | INR        |
| 7440-43-9 | Cadmium   |               |   |         | <b>↓NR</b> |
| 7440-70-2 | Calcium   |               |   |         | INR        |
| 7440-47-3 | Chromium  |               |   | •· •••  | NR         |
| 7440-48-4 | Cobalt    |               |   |         | NR         |
| 7440-50-8 | Copper    |               |   |         | NR         |
| 7439-89-6 |           | <b></b>       |   |         | NR         |
| 7439-92-1 | Lead      |               |   | _,_,    | NR         |
| 7439-95-4 | Magnesium |               |   |         | NR         |
| 7439-96-5 |           |               |   |         | INR        |
| 7439-97-6 | Mercury   |               |   |         | NR         |
| 7440-02-0 | Nickel    |               |   |         | <b>↓NR</b> |
| 7440-09-7 | Potassium |               |   |         | NR         |
| 7782-49-2 | Selenium  |               |   |         | INR        |
| 7440-22-4 | Silver    |               |   | <u></u> | NR         |
| 7440-23-5 | Sodium    |               |   |         | NR         |
| 7440-28-0 | Thallium  |               |   |         | NR         |
| 7440-62-2 | Vanadium  |               |   |         | NR         |
| 7440-66-6 | Zinc      |               |   |         | NR         |
|           | Cyanide   | 118           |   | ×1/2/14 |            |

| Color Before: | <br>Clarity Before:                       | <br>Texture:   |  |
|---------------|---|----------------|--|
| Color After:  | <br>Clarity After:                        | <br>Artifacts: |  |
| Comments:     |   |                |  |
|               | <br>· · · · · · · · · · · · · · · · · · · | <br>           |  |
|               | <br>                                      | <br>           | ······································ |

SW846

#### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

------

| Lab Name: MITKEM CORPORATION   | Contract:                                      |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1361                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1361-05A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6481                           |
| Level: (low/med) LOW   | Date Received: 09/18/02                        |
| % Moisture: not dec  | Date Analyzed: 09/25/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>1 U<br>1 U                |

#### 1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-08I

· · · · · ·

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1361 Matrix: (soil/water) WATER Lab Sample ID: A1361-05C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1D1137 Level: (low/med) LOW Date Received: 09/18/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:09/18/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/27/02 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N рн: \_\_\_\_

CAS NO. COMPOUND

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

Q

| 91-20-3Naphthalene         91-57-6Naphthalene         208-96-82-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Fluorene         206-44-0Fluoranthrene         129-00-0 | 110<br>10<br>21<br>7<br>1<br>10<br>5<br>10<br>10<br>10<br>10 | 2<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7 |
|--|--|--|
|  |  | l Č  |
|  | -  | -  |
|  | -+   | -  |
|  | 10   | U  |
|  | 10   | U  |
|  | 10   | U  |
| 218-01-9Chrysene   | 10   | U  |
| 205-99-2Benzo (b) fluoranthene   | 10   | U  |
| 207-08-9Benzo(k)fluoranthene   | 10   | U  |
| 50-32-8Benzo (a) pyrene  | 10   | U  |
| 193-39-5Indeno(1,2,3-cd)pyrene   | 10   | U  |
| 53-70-3Dibenzo(a,h)anthracene  | 10   | U  |
| 191-24-2Benzo(q,h,i)perylene   | 10   | τι (   |

| 1                             |  |
|-------------------------------|--|
| INORGANIC ANALYSIS DATA SHEET |  |

|                  | INORGANIC ANALYSIS DATA SHEET |           |           |     |             |          |       |  |
|------------------|-------------------------------|-----------|-----------|-----|-------------|----------|-------|--|
| Lab Name:        | MITKEM_CORPO                  | DRATION   | Contract: |     |             | RPMW-    | )81   |  |
| Lab Code:        | MITKEM                        | Case No.: | SAS No.   | .:  |             | SDG No.: | A1361 |  |
| Matrix (soil/wat | er):                          | WATER     |           | Lat | Sample ID:  | A1361-0  | 5B    |  |
| Level (low/med   | ):                            | MED       |           | Dat | e Received: | 09/18/02 |       |  |
|                  |                               |           |           |     |             |          |       |  |

% Solids:

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

-

UG/L

EPA SAMPLE NO.

| CAS No.    | Analyte   | Concentration | С | Q        | М          |
|------------|-----------|---------------|---|----------|------------|
| 7429-90-5  | Aluminum  |               |   |          | NR         |
| 7440-36-0  | Antimony  |               |   |          | <b>NR</b>  |
| _7440-38-2 | Arsenic   |               |   |          | <b>↓NR</b> |
| _7440-39-3 |           |               |   |          | ↓NR        |
| _7440-41-7 | Beryllium |               |   |          | <b>NR</b>  |
| 7440-43-9  | Cadmium   |               |   |          | NR         |
| _7440-70-2 | Calcium   |               |   |          | <b>↓NR</b> |
| _7440-47-3 | Chromium  |               |   | ·        | NR         |
| _7440-48-4 | Cobalt    |               |   |          | NR         |
| _7440-50-8 | Copper    |               |   |          | NR         |
| 7439-89-6  | Iron      |               |   |          | NR         |
| _7439-92-1 | Lead      |               |   |          | INR        |
| _7439-95-4 | Magnesium |               |   |          | NR         |
| 7439-96-5  | Manganese |               |   |          | NR         |
| 7439-97-6  | Mercury   |               |   |          | INR        |
| 7440-02-0  |           |               |   |          | INR        |
| _7440-09-7 | Potassium |               |   |          | INR        |
| _7782-49-2 | Selenium  |               |   |          | NR         |
| _7440-22-4 | Silver    |               |   |          | NR         |
| _7440-23-5 | Sodium    |               |   |          | NR         |
| 7440-28-0  | Thallium  |               |   |          | NR         |
|            | Vanadium  |               |   |          | NR         |
| 7440-66-6  | Zinc      |               |   | ×109/2/2 | NR         |
|            | Cyanide   | 5.0           | U | x, apri  | CA         |

| Color Bef | fore:                                  |  | Clarity Before: | <br>Texture:   |                                       |
|-----------|--|--|-----------------|----------------|---------------------------------------|
| Color Aft | er:                                    |  | Clarity After:  | <br>Artifacts: |                                       |
| Comment   | s:                                     |  |                 |                |                                       |
| -         | ······································ | ······································ |                 | <br>           |                                       |
|           |  |  |                 | <br>           | · · · · · · · · · · · · · · · · · · · |

SW846

# 1A

EPA SAMPLE NO.

|          | -        | LA       |      |       |
|----------|----------|----------|------|-------|
| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |

|  |                 |                              | ,          |                                 | <u> </u> |
|--|-----------------|------------------------------|------------|---------------------------------|----------|
| Lab Name: MITKEM CORP                        | ORATION         | Contract:                    | 、          | RPMW-08D                        |          |
| Lab Code: MITKEM C                           | ase No.:        | SAS No.:                     | SDG No.    | : A1369                         |          |
| Matrix: (soil/water)                         | WATER           | Lab Samp                     | le ID: A13 | 369-01A                         |          |
| Sample wt/vol:                               | 5.000 (g/mL) ML | Lab File                     | ID: V32    | A6484                           |          |
| Level: (low/med)                             | LOW             | Date Rec                     | eived: 09, | /19/02                          |          |
| * Moisture: not dec.                         | <u></u>         | Date Ana                     | lyzed: 09, | /25/02                          |          |
| GC Column: RTX-502.2                         | ID: 0.53 (mm)   | Dilution                     | Factor: 1  | 1.0                             |          |
| Soil Extract Volume:_                        | (uL)            | Soil Alio                    | quot Volum | ne:                             | (uL)     |
| CAS NO.                                      | COMPOUND        | CONCENTRATION (ug/L or ug/Kg |            | Q                               |          |
| 71-43-2<br>108-88-3<br>100-41-4<br>1330-20-7 |                 |                              |            | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |          |

\_\_\_\_

.

1

. . .

#### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-08D Lab Name: MITKEM CORPORATION Contract: SDG No.: A1369 SAS No.: Case No.: Lab Code: MITKEM Lab Sample ID: A1369-01C Matrix: (soil/water) WATER Lab File ID: S1D0994 1000 (g/mL) ML Sample wt/vol: Date Received: 09/19/02 Level: (low/med) LOW % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:09/19/02 Date Analyzed: 09/20/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO.

COMPOUND

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

Q

|                                   |    | 1 |
|-----------------------------------|----|---|
| 91-20-3Naphthalene                | 10 | U |
| 91-57-62-Methylnaphthalene        | 10 | U |
| 208-96-8Acenaphthylene            | 10 | U |
| 83-32-9Acenaphthene               | 10 | U |
| 83-32-9Acenapiichenc              | 10 | U |
| 132-64-9Dibenzofuran              | 10 | Ū |
| 86-73-7Fluorene                   | 10 | - |
| 85-01-8Phenanthrene               | 10 | - |
| 120-12-7Anthracene                | 10 | - |
| 206-44-0Fluoranthene              | 1  | - |
| 129-00-0Pyrene                    | 10 |   |
| 56-55-3Benzo(a)anthracene         | 10 | - |
| 218-01-9Chrysene                  | 10 | - |
| 205-99-2Benzo (b) fluoranthene    | 10 | ប |
| 207-08-9Benzo (k) fluoranthene    | 10 | U |
| 50-32-8Benzo (a) pyrene           | 10 | U |
| 193-39-5Indeno(1,2,3-cd)pyrene    | 10 | U |
| 53-70-3Dibenzo (a, h) anthracene  | 10 | ប |
| 191-24-2Benzo(g,h,i)perylene      | 10 | Ū |
| 191-24-2Benzo (g, n, 1) per yrene |    | - |
|                                   | 1  |   |

FORM I SV-1

|             | 1       |      |       |
|-------------|---------|------|-------|
| INORGANIC A | NALYSIS | DATA | SHEET |

EPA SAMPLE NO.

ſ

UG/L

| Lab Name:       | MITKEM COF | PORATION  | <br>Contract: |              | RPMW-    | 08D   |  |
|-----------------|------------|-----------|---------------|--------------|----------|-------|--|
| Lab Code:       | <br>MITKEM | Case No.: | <br>SAS No.:  |              | SDG No.: | A1369 |  |
| Matrix (soil/wa | iter):     | WATER_    | Lal           | b Sample ID: | A1369-0  | D1B   |  |
| Level (low/med  | d):        | MED       | Da            | te Received: | 09/19/02 | 2     |  |
| % Solids:       |            |           |               |              |          |       |  |

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

С Q Μ CAS No. Concentration Analyte NR. \_7429-90-5 Aluminum NR 7440-36-0 Antimony\_ NR 7440-38-2 Arsenic\_ NR. .7440-39-3. Barium. NR Beryllium. 7440-41-7 NR \_7440-43-9\_ Cadmium NR Calcium\_ \_7440-70-2\_ NR \_7440-47-3 Chromium NR. Cobalt\_ \_7440-48-4\_ 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 7782-49-2 Selenium NR NR. \_7440-22-4\_ Silver\_ NR Sodium\_ \_7440-23-5. NR Thallium \_7440-28-0\_ Vanadium NR \_7440-62-2 NR \_7440-66-6\_ Zinc\_ <u>U\_</u> CA. Cyanide\_ 5.0\_

| Color Before: |        | Clarity Before: | <br>Texture:   |  |
|---------------|--------|-----------------|----------------|--|
| Color After:  |        | Clarity After:  | <br>Artifacts: |  |
| Comments:     |        |                 |                |  |
|               |        |                 | <br>           |  |
|               | ······ |                 | <br>           |  |

FORM I - IN

SW846

#### 1A

EPA SAMPLE NO.

| VOLATILE ORGANICS ANALYSIS DATA SHEE |
|--------------------------------------|
|--------------------------------------|

|  |                 |  | RPMW-08D2                       |
|--|-----------------|--|---------------------------------|
| Lab Name: MITKEM COR                         | PORATION        | Contract:                                |                                 |
| Lab Code: MITKEM                             | Case No.:       | SAS No.: SI                              | OG No.: A1369                   |
| Matrix: (soil/water)                         | WATER           | Lab Sample :                             | ID: A1369-02A                   |
| Sample wt/vol:                               | 5.000 (g/mL) ML | Lab File ID                              | <b>V3A6485</b>                  |
| Level: (low/med)                             | TOM             | Date Receive                             | ed: 09/19/02                    |
| * Moisture: not dec.                         | <u> </u>        | Date Analyze                             | ed: 09/25/02                    |
| GC Column: RTX-502.2                         | ID: 0.53 (mm)   | Dilution Fac                             | ctor: 1.0                       |
| Soil Extract Volume:                         | (uL)            | Soil Aliquot                             | Volume:(uL)                     |
| CAS NO.                                      | COMPOUND        | CONCENTRATION UNIT<br>(ug/L or ug/Kg) UC |                                 |
| 71-43-2<br>108-88-3<br>100-41-4<br>1330-20-7 |                 |  | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |

FORM I VOA

.

. -

\_

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

- -- --

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALISIS DAIR DIDI

RPMW-08D2

Lab Name: MITKEM CORPORATION Contract: SDG No.: A1369 Lab Code: MITKEM Case No.: SAS No.: Lab Sample ID: A1369-02C Matrix: (soil/water) WATER Lab File ID: S1D0995 Sample wt/vol: 1000 (g/mL) ML Date Received: 09/19/02 Level: (low/med) LOW Date Extracted:09/19/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 09/20/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO. COMPOUND

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

Q

| 91-20-3Naphthalene               | 10   | - |
|----------------------------------|------|---|
| 91-57-62-Methylnaphthalene       | 10   | υ |
| 208-96-8Acenaphthylene           | 10   | - |
| 83-32-9Acenaphthene              | 10   | - |
| 132-64-9Dibenzofuran             | 10   | U |
| 86-73-7Fluorene                  | 10   | U |
| 85-01-8Phenanthrene              | 10   | U |
| 120-12-7Anthracene               | 10   | U |
| 206-44-0Fluoranthene             | . 10 | - |
| 129-00-0Pyrene                   | 10   | U |
| 56-55-3Benzo (a) anthracene      | 10   | U |
| 218-01-9Chrysene                 | 10   | U |
| 205-99-2Benzo (b) fluoranthene   | 10   | U |
| 207-08-9Benzo(k) fluoranthene    | 10   | U |
| 50-32-8Benzo (a) pyrene          | 10   | U |
| 193-39-5Indeno(1,2,3-cd)pyrene   | 10   | U |
| 53-70-3Dibenzo (a, h) anthracene | 10   | U |
| 191-24-2Benzo(g,h,i)perylene     | 10   | U |
| 191-24-2Denzo(g,n,1)per/1000     |      |   |

--- - -----

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

| Lab Name:       | MITKEM_CORP | ORATION   | <u> </u> | Contract: |       |            | RPMW-0   | 98D2   |  |
|-----------------|-------------|-----------|----------|-----------|-------|------------|----------|--------|--|
| Lab Code:       | MITKEM      | Case No.: |          | SAS No.   | .:    |            | SDG No.: | A1369  |  |
| Matrix (soil/wa | ter):       | WATER_    |          |           | Lab S | Sample ID: | A1369-0  | 2B     |  |
| Level (low/med  | ):          | MED       |          |           | Date  | Received:  | 09/19/02 | ****** |  |
| % Solids:       |             |           |          |           |       |            |          |        |  |

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

UG/L

| CAS No.   | Analyte   | Concentration | C | Q | M    |
|-----------|-----------|---------------|---|---|------|
| 7429-90-5 | Aluminum  |               |   |   |      |
| 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 |           |               |   | · | 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 |
|           | Cyanide   | 5.0           | U |   | CA   |

| Color Before: | <br>Clarity Before: |         | Texture:   |       |
|---------------|---------------------|---------|------------|-------|
| Color After:  | <br>Clarity After:  | <u></u> | Artifacts: |       |
| Comments:     |                     |         |            |       |
|               | <br>•••             |         | •          |       |
|               |                     |         |            | ····· |

SW846

#### 1A

- - ...

• • •

----

EPA SAMPLE NO.

|  | VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |
|--|----------|----------|----------|------|-------|
|--|----------|----------|----------|------|-------|

| Lab Name: MITKI      | M CORPORATION  | Contract:                          | RPMW-09I                   |
|----------------------|--|------------------------------------|----------------------------|
| Lab Code: MITKE      | M Case No.:  | SAS No.:                           | SDG No.: A1390             |
| Matrix: (soil/w      | water) WATER   | Lab Sampl                          | e ID: A1390-03A            |
| Sample wt/vol:       | 5.000 (g/mL) M                                       | L Lab File                         | ID: V3A6674                |
| Level: (low/m        | ned) LOW   | Date Rece                          | ived: 09/24/02             |
| * Moisture: not      | dec  | Date Analy                         | yzed: 10/02/02             |
| GC Column: RTX-      | -502.2 ID: 0.53 (mm)                                 | Dilution                           | Factor: 50.0               |
| Soil Extract Vo      | olume:(uL)   | Soil Aliq                          | uot Volume:(uL)            |
| CAS NO.              | COMPOUND   | CONCENTRATION U<br>(ug/L or ug/Kg) |                            |
| 108-88-3<br>100-41-4 | Benzene<br>Toluene<br>Ethylbenzene<br>-7Xylene (Tota |                                    | 200<br>140<br>3000<br>3500 |

.

#### **1B** SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET RPMW-09I Contract: Lab Name: MITKEM CORPORATION SDG No.: A1390 SAS No.: Lab Code: MITKEM Case No.: Lab Sample ID: A1390-03H Matrix: (soil/water) WATER S1D1177 Lab File ID: (q/mL) ML 1000 Sample wt/vol: Date Received: 09/24/02 LOW (low/med)Level: Date Extracted:09/24/02 decanted: (Y/N) % Moisture: Date Analyzed: 09/30/02 1000 (uL) Concentrated Extract Volume: Dilution Factor: 75.0 1.0(uL) Injection Volume: pH: (Y/N) N GPC Cleanup:

COMPOUND

91-57-6----2-Methylnaphthalene

56-55-3-----Benzo (a) anthracene

205-99-2-----Benzo (b) fluoranthene

207-08-9-----Benzo(k)fluoranthene

50-32-8-----Benzo (a) pyrene 193-39-5-----Indeno (1, 2, 3-cd) pyrene

53-70-3-----Dibenzo(a,h)anthracene

191-24-2----Benzo(g,h,i)perylene\_

91-20-3-----Naphthalene

208-96-8-----Acenaphthylene

83-32-9-----Acenaphthene

132-64-9-----Dibenzofuran\_

85-01-8-----Phenanthrene

206-44-0----Fluoranthene

120-12-7-----Anthracene

86-73-7-----Fluorene

129-00-0----Pyrene

218-01-9-----Chrysene

CONCENTRATION UNITS:

(uq/L or uq/Kq) UG/L

CAS NO.

EPA SAMPLE NO.

Q

7600 B

750 U

150 J

750 U

750 U 750 U

750 U

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

| Lab Name:        | MITKEM CORPO | DRATION   | Contract:    |       |            | RPMW-0    | 991   |
|------------------|--------------|-----------|--------------|-------|------------|-----------|-------|
|                  | _            |           |              |       |            |           |       |
| Lab Code:        | MITKEM       | Case No.: | <br>SAS No.: |       |            | SDG No.:  | A1390 |
| Matrix (soil/wat | er):         | WATER_    |              | Lab S | Sample ID: | A1390-03  | 3E    |
| Level (low/med)  | ):           | MED       |              | Date  | Received:  | 09/24/02. |       |
| % Solids:        |              |           |              |       |            |           |       |

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

- - - -

UG/L

ſ

| CAS No.    | Analyte   | Concentration | C | Q | M    |
|------------|-----------|---------------|---|---|------|
| _7429-90-5 | Aluminum  |               |   |   | NR   |
| _7440-36-0 | Antimony  |               |   |   | NR   |
|            | Arsenic   |               |   |   | NR   |
| 7440-39-3  | Barium    |               |   |   | NR   |
|            | Beryllium |               |   |   | NR   |
|            | Cadmium   |               |   |   | NR   |
| 7440-70-2  | Calcium   |               |   |   | NR   |
|            | Chromium  |               |   |   | NR   |
| _7440-48-4 | Cobalt    |               |   |   | NR   |
| 7440-50-8  | Copper    |               |   |   | NR   |
| _7439-89-6 | Iron      | 109           | B |   | P    |
| _7439-92-1 |           |               |   |   | NR   |
|            | Magnesium |               |   |   | NR   |
| 7439-96-5  | Manganese | 35.5          | B |   | P    |
|            | 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   |
|            | Cyanide   |               |   |   | NR   |

| Color Before:            |                 | Clarity Before: | · | Texture:   |  |
|--------------------------|-----------------|-----------------|---|------------|--|
| Color After:             | , <b></b>       | Clarity After:  |   | Artifacts: |  |
| Comments:<br>TOTAL_M<br> | ETALS_FOR_SAMPI | .E_RPMW-09I     |   |            |  |

### 1 INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

|                 |            |           |               |                | RPMW     | -09I  |  |
|-----------------|------------|-----------|---------------|----------------|----------|-------|--|
| Lab Name:       | MITKEM_COR | PORATION  | <br>Contract: |                | L        |       |  |
| Lab Code:       | MITKEM     | Case No.: | <br>SAS No.   | :              | SDG No.: | A1390 |  |
| Matrix (soil/wa | ater):     | WATER_    |               | Lab Sample ID: | A1390-(  | 03F   |  |
| Level (low/mea  | d):        | MED       |               | Date Received: | 09/24/02 | 2     |  |
| % Solids:       |            | <u> </u>  |               |                |          |       |  |

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

UG/L

Γ

| CAS No.    | Analyte   | Concentration | С | Q | м        |
|------------|-----------|---------------|---|---|----------|
| 7429-90-5  | Aluminum  |               |   |   |          |
| _7440-36-0 | Antimony  |               |   |   | NR       |
|            | 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      | 136           | B |   | P        |
| _7439-92-1 | l         |               |   |   | <u> </u> |
| _7439-95-4 | Magnesium |               |   |   | NR       |
| _7439-96-5 | Manganese |               | B |   | P        |
| _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       |
|            | Cyanide   |               |   |   | NR       |

| Color Before:       |                  | Clarity Before: | <br>Texture:   |  |
|---------------------|------------------|-----------------|----------------|--|
| Color After:        |                  | Clarity After:  | <br>Artifacts: |  |
| Comments:<br>DISSOL | VED_METALS_FOR_S | AMPLE_RPMW-09I  | <br>           |  |
| <del></del>         |                  | ·····           | <br>           |  |
| ·                   |                  |                 | <br>           |  |

## **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-09ILab ID:A1390-03

## Project: Keyspan Collection Date: 09/23/02 12:55 Matrix: AQUEOUS

| Inalyses                       | Result  | Qual       | Limit   | Units     | DF  | Date Analyzed  |
|--------------------------------|---------|------------|---------|-----------|-----|----------------|
| ITROGEN (NITRATE) BY AUTOMATED | CD REDI | J E353.2_I | 103     |           |     |                |
| Nitrate-N                      | ND      |            | 0.050   | mg/L      | 1   | 09/24/02 14:04 |
| LKALINITY BY TITRATION METHOD  |         | SM2320_    | W       |           |     |                |
| Alkalinity, Total (As CaCO3)   | 200     |            | 20      | mg/L CaCO | 3 1 | 09/25/02 12:00 |
| OTAL DISSOLVED SOLIDS          |         | SM2540_    | TDS     |           |     |                |
| Total Dissolved Solids         | 770     |            | 10      | mg/L      | 1   | 09/25/02 17:50 |
| ERROUS IRON BY PHENANTHROLINE  | METHOD  | SM3500E    | )_FE2_\ | 1         |     |                |
| Ferric Iron – Dissolved        | ND      |            | 20      | mg/L      | 2   | 09/24/02 10:25 |
| Ferric Iron                    | ND      |            | 20      | mg/L      | 2   | 09/24/02 10:25 |
| ERROUS IRON BY PHENANTHROLINE  | METHOD  | SM3500E    | )_FE3_W | 1         |     |                |
| Ferrous Iron - Dissolved       | ND      |            | 20      | mg/L      | 2   | 09/24/02 10:25 |
| Ferrous Iron                   | ND      |            | 20      | mg/L      | 2   | 09/24/02 10:25 |
| ULFATE BY TURBIDIMETRIC METHOD |         | SM4500_    | SO4_W   |           |     |                |
| Sulfate                        | ND      |            | 7.0     | mg/L      | 1   | 09/25/02 16:02 |
| OTAL CYANIDE                   |         | SW9012     | 3_W     |           |     |                |
| Cyanide                        | ND      |            | 0.020   | mg/L ();  | J 1 | 09/25/02 7:00  |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

DF - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

## Job Number: 202633

#### LABORATORY TEST RESULTS

Date: 10/09/2002

CUSTOMER: Mitkem Corporation

PROJECT: A1390

ATTN: Len Ranalli

Customer Sample 10: A1390-03I Date Sampled.....: 09/23/2002 Time Sampled.....: 12:55 Sample Matrix....: Water Laboratory Sample ID: 202633-2 Date Received.....: 09/26/2002 Time Received.....: 11:00

| TEST METHOD   | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | ٩ | REPORTING LIMIT | UNITS | DATE     | TEC  |
|---------------|----------------------------|---------------|---|-----------------|-------|----------|------|
| A300.0 PartA  | Bromide                    | ND            | U | 1.0             | mg/L  | 09/27/02 | rwe  |
| PA300.0 PartA | Chloride                   | 269           |   | 20              | mg/L  | 09/27/02 | L.M. |
| SM18 4500I    | Iodide                     | ND            | U | 5 0.240         | mg∕l  | 10/08/02 | r we |
| SM18 4500PE   | Phosphorous, Total as P    | 4.12          |   | 1.0             | mg/L  | 10/02/02 | rwe  |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               |                            |               |   |                 |       |          |      |
|               | a = Dry Wgt. P             | age 3         |   |                 |       |          |      |

SEVERN TRENT MADEP MAD

SERVICES

MADEP MA014 RIDOH57 CTDPH 0494 VT DECWSD

NY DOH 10843 NH DES 253901-A NELAP NY10843



STL Westfield 53 Southampton Rd. Westfield, MA 01085 Tel: (413) 572-4000 Fax: (413) 572-3707 STL Billerica 149 Rangeway Rd. N. Billerica, MA 01862 Tel: (978) 667-1400 Fax: (978) 667-7871

#### 1A TLE ORGANICS ANALYSIS DATA SH

\_\_\_\_\_

-----

EPA SAMPLE NO.

- ----- -

1

-----

ľ

| Lab Name: MITKEM COR | PORATION        | Contract:                                   | RPMW-                          | 09D  |
|----------------------|-----------------|---|--------------------------------|------|
| Lab Code: MITKEM     | Case No.:       | SAS No.: SDG                                | No.: A13                       | 90   |
| Matrix: (soil/water) | WATER           | Lab Sample ID                               | : A1390-0                      | 2A   |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File ID:                                | V3A6638                        |      |
| Level: (low/med)     | LOW             | Date Received                               | : 09/24/0                      | 2    |
| % Moisture: not dec. |                 | Date Analyzed                               | : 10/01/0                      | 2    |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution Facto                              | or: 20.0                       |      |
| Soil Extract Volume: | (uL)            | Soil Aliquot V                              | Volume: _                      | (uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/I | •                              | Q    |
|                      |                 |   | 11000 E<br>640<br>2100<br>2200 |      |

.

• •

## 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

~ 1

1.5

ł,

| Lab Name: MITKEM CORPORATION C   | ontract:                                       |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1390                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1390-02ADL                     |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6649                           |
| Level: (low/med) LOW   | Date Received: 09/24/02                        |
| * Moisture: not dec.   | Date Analyzed: 10/01/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 200.0                         |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 9400 D<br>500 D<br>1500 D<br>1500 D            |

.

#### 1B

EPA SAMPLE NO.

RPMW-09D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.
Matrix: (soil/water) WATER Lab Sample ID: A

Sample wt/vol: 1000 (g/mL) ML Level: (low/med) LOW % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Concentrated Extract Volume: 1000(uL) Injection Volume: 1.0(uL)

GPC Cleanup: (Y/N) N pH: \_\_\_\_

t: SDG No.: A1390 Lab Sample ID: A1390-02H Lab File ID: S1D1175 Date Received: 09/24/02 Date Extracted:09/24/02 Date Analyzed: 09/30/02 Dilution Factor: 50.0

CAS NO. COM

COMPOUND

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

Q

| 91-20-3Naphthalene             | 4500 | в   |
|--------------------------------|------|-----|
| 91-57-62-Methylnaphthalene     | 480  | F   |
| 208-96-8Acenaphthylene         | 110  | J   |
| 83-32-9Acenaphthene            | 500  | Ū   |
| 132-64-9Dibenzofuran           | 500  | Ū   |
| 86-73-7Fluorene                | 500  | U   |
| 85-01-8Phenanthrene            | 500  | U   |
| 120-12-7Anthracene             | 500  | U   |
| 206-44-0Fluoranthene           | 500  | U   |
| 129-00-0Pyrene                 | 500  | U   |
| 56-55-3Benzo(a)anthracene      | 500  | U   |
| 218-01-9Chrysene               | 500  | U   |
| 205-99-2Benzo(b) fluoranthene  | 500  | U   |
| 207-08-9Benzo(k)fluoranthene   | 500  | U   |
| 50-32-8Benzo(a)pyrene          | 500  | U   |
| 193-39-5Indeno(1,2,3-cd)pyrene | 500  | U   |
| 53-70-3Dibenzo(a,h)anthracene  | 500  | U I |
| 191-24-2Benzo(g,h,i)perylene   | 500  | ן ס |
|                                |      |     |
|                                |      |     |

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

|                     |        | INUKGANIC A | INORGANIC ANALI SIS DATA SHELI |                |  |  |
|---------------------|--------|-------------|--------------------------------|----------------|--|--|
| Lab Name: MITKEM_CO |        | RPORATION   | Contract:                      | RPMW-09D       |  |  |
| Lab Code:           | MITKEM | Case No.:   | SAS No.:                       | SDG No.: A1390 |  |  |
| Matrix (soil/w      | ater): | WATER_      | Lab Sample                     | ED: A1390-02E  |  |  |
| Level (low/me       | xd):   | MED         | Date Receiv                    | red: 09/24/02  |  |  |
| % Solids:           |        |             |                                |                |  |  |

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

---- - - -

-

UG/L

| CAS No.   | Analyte   | Concentration | C          | Q          | M   |
|-----------|-----------|---------------|------------|------------|-----|
| 429-90-5  | Aluminum  |               |            |            | NR  |
| 440-36-0  | Antimony  |               |            |            | NR  |
| 440-38-2  | Arsenic   |               |            |            | NR  |
| 440-39-3  | Barium    |               |            | . <u>.</u> | NR  |
| 440-41-7  | Beryllium |               |            |            | NR  |
| 440-43-9  | Cadmium   |               |            |            | NR  |
| 440-70-2  | Calcium   |               |            |            | NR  |
| 7440-47-3 | Chromium  |               |            |            | !NR |
| /440-48-4 | Cobalt    |               |            |            | NR  |
| /440-50-8 | Copper    |               |            |            | NR  |
| /439-89-6 | Iron      | 35.0          | U          |            | P   |
| 439-92-1  |           | ·             |            |            | NR  |
| /439-95-4 | Magnesium |               |            |            | NR  |
| 439-96-5  | Manganese | 243           |            |            | P   |
| 7439-97-6 | Mercury   |               |            |            | NR  |
| 7440-02-0 | Nickel    |               |            |            | NR  |
| 7440-09-7 | Potassium |               |            |            | NR  |
| 782-49-2  | Selenium  |               |            |            | NR  |
| 7440-22-4 | Silver    |               |            |            | NR  |
| 7440-23-5 | Sodium    |               |            |            | NR  |
| 7440-28-0 | Thallium  |               |            |            | NR  |
| /440-62-2 | Vanadium  |               |            |            | NR  |
| 7440-66-6 | Zinc      |               |            |            | NR  |
|           | Cyanide   |               |            |            | NR  |
|           |           |               | <u>I</u> I |            |     |

| Color Before:         | · · · · · · · · · · · · · · · · · · · | Clarity Before: | ····· | Texture:   |  |
|-----------------------|---------------------------------------|-----------------|-------|------------|--|
| Color After:          |                                       | Clarity After:  |       | Artifacts: |  |
| Comments:<br>TOTAL_MI | ETALS_FOR_SAMPI                       | LE_RPMW-09D     |       |            |  |

. . .

----

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

|                 |            | INOK      | UANC AN |           |                |          | ·     |
|-----------------|------------|-----------|---------|-----------|----------------|----------|-------|
| Lab Name:       | MITKEM CO  | RPORATION |         | Contract: |                | RPMW-    | 09D   |
| Lao Name.       | MITKEWI_CO |           |         | Conduct.  |                | L        |       |
| Lab Code:       | MITKEM     | Case No.: |         | SAS No.:  |                | SDG No.: | A1390 |
| Matrix (soil/wa | ater):     | WATER_    |         | 1         | Lab Sample ID: | A1390-   | 02F   |
| Level (low/me   | d):        | MED       |         | 1         | Date Received: | 09/24/0  | 2     |
| % 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   | <u>-</u>      |   |   | _ 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      | 288           |   |   | P    |
| 7439-92-1 | Lead      |               |   |   | NR   |
| 7439-95-4 | Magnesium |               |   |   | NR   |
| 7439-96-5 | Manganese | 227           |   |   | _ P_ |
| 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 |
|           | Cyanide   |               |   |   | NR   |
|           |           |               |   |   |      |

| Color Before:        |                  | Clarity Before: | <br>Texture:   |          |
|----------------------|------------------|-----------------|----------------|----------|
| Color After:         |                  | Clarity After:  | <br>Artifacts: | <u> </u> |
| Comments:<br>DISSOLV | ED_METALS_FOR_SA | AMPLE_RPMW-09D  | <br>           |          |
|                      |                  |                 |                |          |

. . . . . ....

## **Mitkem Corporation**

\_

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-09DLab ID:A1390-02

## Project: Keyspan Collection Date: 09/23/02 14:15 Matrix: AQUEOUS

| nalyses                      | Result      | Qual      | Limit   | Units      | DF  | Date Analyzed  |
|------------------------------|-------------|-----------|---------|------------|-----|----------------|
| ITROGEN (NITRATE) BY AUTOMA  | TED CD REDI | J E353.2_ | NO3     |            |     |                |
| Nitrate-N                    | ND          |           | 0.25    | mg/L       | 5   | 09/24/02 14:04 |
| LKALINITY BY TITRATION METHO | D           | SM2320    | w       |            |     |                |
| Alkalinity, Total (As CaCO3) | 280         |           | 20      | mg/L CaCO3 | 1   | 09/25/02 12:00 |
| OTAL DISSOLVED SOLIDS        |             | SM2540    | TDS     |            |     |                |
| Total Dissolved Solids       | 20000       | ·         | 200     | mg/L       | 20  | 09/26/02 9:00  |
| ERROUS IRON BY PHENANTHRO    | LINE METHOD | SM3500    | D_FE2_W | V          |     |                |
| Ferric Iron Dissolved        | ND          |           | 20      | mg/L       | 2   | 09/24/02 10:25 |
| Ferric Iron                  | ND          |           | 20      | mg/L       | 2   | 09/24/02 10:25 |
| ERROUS IRON BY PHENANTHRO    | LINE METHOD | SM3500    | D_FE3_W | 1          |     |                |
| Ferrous Iron - Dissolved     | ND          |           | 20      | mg/L       | 2   | 09/24/02 10:25 |
| Ferrous Iron                 | ND          |           | 20      | mg/L       | 2   | 09/24/02 10:25 |
| ULFATE BY TURBIDIMETRIC MET  | HOD         | SM4500    | _SO4_W  |            |     |                |
| Sulfate                      | 1600        |           | 700     | mg/L       | 100 | 09/25/02 16:02 |
| OTAL CYANIDE                 |             | SW9012    | B_W     |            |     |                |
| Cyanide                      | ND          |           | 0.020   | mg/L UJ    | 1   | 09/25/02 7:00  |

\_\_\_\_

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quanititation limits
- B Analyte detected in the associated Method Blank
- DF Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

Job Number: 202633

#### LABORATORY TEST RESULTS

Date: 10/09/2002

CUSTOMER: Mitkem Corporation

PROJECT: A1390

.

ATTN: Len Ranalli

Customer Sample ID: A1390-021 Date Sampled.....: 09/23/2002 Time Sampled.....: 14:15 Sample Matrix....: Water Laboratory Sample ID: 202633-1 Date Received.....: 09/26/2002 Time Received.....: 11:00

| TEST METHOD   | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | ٩ | REPORTING LIMIT | UNITS | DATE     | TEC |
|---------------|----------------------------|---------------|---|-----------------|-------|----------|-----|
| PA300.0 PartA | Bromide                    | 42.2          | J | 5.0             | mg/L  | 09/27/02 | rwe |
| PA300.0 PartA | Chloride                   | 14800         |   | 500             | mg/L  | 09/27/02 | rwe |
| SM18 45001    | Iodide                     | ND            | U | J 12.0          | mg/L  | 10/08/02 | rwe |
| SM18 4500PE   | Phosphorous, Total as P    | 5.94          |   | 1.0             | mg/L  | 10/02/02 | rwe |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               | l                          | I             |   |                 |       |          |     |

SEVERN TRENT SERVICES

MADEP MA014 RIDOH57 CTDPH 0494 VT DECWSD

NY DOH 10843 NH DES 253901-A NELAP NY10843



STL Westfield 53 Southampton Rd. Westfield, MA 01085 Tel: (413) 572-4000 Fax: (413) 572-3707 STL Billerica 149 Rangeway Rd. N. Billerica, MA 01862 Tel: (978) 667-1400 Fax: (978) 667-7671

#### 1A

1330-20-7-----Xylene (Total)

EPA SAMPLE NO.

1000

2400

| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |
|----------|----------|----------|------|-------|
|          |          |          |      |       |

RPMW-09D2 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM SAS No.: Case No.: SDG No.: A1390 Matrix: (soil/water) WATER Lab Sample ID: A1390-04A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V3A6653 Level: (low/med) LOW Date Received: 09/24/02 % Moisture: not dec. Date Analyzed: 10/01/02 Dilution Factor: 50.0 GC Column: RTX-502.2 ID: 0.53 (mm) Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: (uq/L or uq/Kq) UG/LCAS NO. COMPOUND Q 20000 E 71-43-2----Benzene 108-88-3-----Toluene 1200 100-41-4----Ethylbenzene

#### 1A

EPA SAMPLE NO.

| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |
|----------|----------|----------|------|-------|
|          |          |          |      |       |

|                      |                 |                                     | I                                   |     |
|----------------------|-----------------|-------------------------------------|-------------------------------------|-----|
| Lab Name: MITKEM COR | PORATION        | Contract:                           | RPMW-09D2DL                         |     |
| Lab Code: MITKEM     | Case No.:       | SAS No.:                            | SDG No.: A1390                      |     |
| Matrix: (soil/water) | WATER           | Lab Sample                          | E ID: A1390-04ADL                   |     |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File 1                          | D: V3A6675                          |     |
| Level: (low/med)     | LOW             | Date Recei                          | ved: 09/24/02                       |     |
| % Moisture: not dec. |                 | Date Analy                          | zed: 10/02/02                       |     |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution H                          | actor: 250.0                        |     |
| Soil Extract Volume: | (uL)            | Soil Aliqu                          | ot Volume:(                         | uL) |
| CAS NO.              | COMPOUND        | CONCENTRATION UN<br>(ug/L or ug/Kg) |                                     |     |
|                      |                 |                                     | 16000 D<br>940 D<br>750 D<br>1800 D |     |

#### EPA SAMPLE NO.

-----

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-09D2 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1390 Matrix: (soil/water) WATER Lab Sample ID: A1390-04H Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1D1178 Level: (low/med) LOW Date Received: 09/24/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_ Date Extracted:09/24/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/30/02 Injection Volume: 1.0(uL) Dilution Factor: 75.0 GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene             | 6500 | в  |
|--------------------------------|------|----|
| 91-57-62-Methylnaphthalene     | 580  | J  |
| 208-96-8Acenaphthylene         | 210  | [J |
| 83-32-9Acenaphthene            | 750  | טן |
| 132-64-9Dibenzofuran           | 750  | U  |
| 86-73-7Fluorene                | 750  | ט  |
| 85-01-8Phenanthrene            | 750  | U  |
| 120-12-7Anthracene             | 750  | U  |
| 206-44-0Fluoranthene           | 750  | υ  |
| 129-00-0Pyrene                 | 750  | U  |
| 56-55-3Benzo (a) anthracene    | 750  | U  |
| 218-01-9Chrysene               | 750  | U  |
| 205-99-2Benzo(b) fluoranthene  | 750  | υ  |
| 207-08-9Benzo(k)fluoranthene   | 750  | U  |
| 50-32-8Benzo (a) pyrene        | 750  | υ  |
| 193-39-5Indeno(1,2,3-cd)pyrene | 750  | υ  |
| 53-70-3Dibenzo(a,h)anthracene  | 750  | υÌ |
| 191-24-2Benzo(g,h,i)perylene   | 750  | υļ |
|                                |      | 1  |
|                                |      |    |

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

|                  |              |           |  |           | 011221         |          |           |
|------------------|--------------|-----------|--|-----------|----------------|----------|-----------|
| Lab Name:        | MITKEM_CORPO | DRATION   |  | Contract: |                | RPMW-(   | 99D2      |
| Lab Code:        | MITKEM       | Case No.: |  | SAS No.   | :              | SDG No.: | A1390     |
| Matrix (soil/wat | er):         | WATER_    |  |           | Lab Sample ID: | A1390-0  | 4E        |
| Level (low/med)  | ):           | MED       |  |           | Date Received: | 09/24/02 | . <u></u> |
|                  |              |           |  |           |                |          |           |

% Solids:

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

UG/L

| CAS No.   | Analyte   | Concentration | C | Q | M       |
|-----------|-----------|---------------|---|---|---------|
| 7429-90-5 | Aluminum  |               |   |   |         |
| 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      | 1170          |   |   | P_      |
| 7439-92-1 | Lead      |               |   |   | NR      |
| 7439-95-4 | Magnesium |               |   |   | NR      |
| 7439-96-5 | Manganese | 524           |   |   | P       |
| 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      |
|           | Cyanide   |               |   |   | NR      |

| Color Before:         |                   | Clarity Before: | <br>Texture:                           |  |
|-----------------------|-------------------|-----------------|--|--|
| Color After:          |                   | Clarity After:  | <br>Artifacts:                         |  |
| Comments:<br>TOTAL_ME | TALS_FOR_SAMPLE_R | RPMW-09D2       | ······································ |  |

SW846

| l                       |       |
|-------------------------|-------|
| INORGANIC ANALYSIS DATA | SHEET |

EPA SAMPLE NO.

٦

Γ

UG/L

| Lab Name:       | MITKEM COR | PORATION  | <br>Contract: |                | RPMW-    | 09D2  |
|-----------------|------------|-----------|---------------|----------------|----------|-------|
| Lab Code:       | MITKEM     | Case No.: | <br>SAS No.:  |                | SDG No.: | A1390 |
| Matrix (soil/wa | ater):     | WATER_    | L             | ab Sample ID:  | A1390-0  | 04F   |
| Level (low/me   | d):        | MED       | Γ             | Date Received: | 09/24/02 | 2     |
| % Solids:       |            |           |               |                |          |       |

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

С Concentration Q Μ Analyte CAS No. NR 7429-90-5 Aluminum NR \_7440-36-0\_ Antimony\_ NR Arsenic\_ 7440-38-2 NR 7440-39-3 Barium NR Beryllium \_7440-41-7\_ NR \_7440-43-9\_ Cadmium \_7440-70-2 Calcium\_ NR NR 7440-47-3 Chromium NR \_Cobalt\_ 7440-48-4 NR \_7440-50-8\_ Copper\_ U. Ρ .35.0\_ 7439-89-6 Iron\_ NR 7439-92-1 Lead\_ NR 7439-95-4 Magnesium P\_ 523\_ 7439-96-5 Manganese NR 7439-97-6 Mercury\_ Nickel\_ NR \_7440-02-0\_ NR \_Potassium \_7440-09-7\_ NR 7782-49-2 Selenium NR Silver\_ 7440-22-4 NR 7440-23-5 Sodium\_ NR Thallium\_ \_7440-28-0\_ NR Vanadium\_ 7440-62-2 NR \_7440-66-6\_ Zinc\_ NR Cyanide.

| Color Before:        |                  | Clarity Before: | <u> </u> | Texture:   | <del></del> |
|----------------------|------------------|-----------------|----------|------------|-------------|
| Color After:         |                  | Clarity After:  |          | Artifacts: |             |
| Comments:<br>DISSOLV | /ED_METALS_FOR_S | AMPLE_RPMW-09D2 |          |            |             |
|                      |                  |                 |          |            |             |

FORM I - IN

## **Mitkem Corporation**

- - -

---- -

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-09D2Lab ID:A1390-04

## Project: Keyspan Collection Date: 09/23/02 16:05 Matrix: AQUEOUS

| Analyses                       | Result    | Qual     | Limit   | Units    |    | DF  | Date Analyzed  |
|--------------------------------|-----------|----------|---------|----------|----|-----|----------------|
| NITROGEN (NITRATE) BY AUTOMATE | D CD REDI | J E353.2 | _NO3    |          |    |     |                |
| Nitrate-N                      | 0.21      |          | 0.10    | mg/L     |    | 2   | 09/25/02 14:54 |
| ALKALINITY BY TITRATION METHOD |           | SM2320   | w_w     |          |    |     |                |
| Alkalinity, Total (As CaCO3)   | 770       |          | 20      | mg/L Ca0 | 03 | 1   | 09/25/02 12:00 |
| TOTAL DISSOLVED SOLIDS         |           | SM254(   | _TDS    |          |    |     |                |
| Total Dissolved Solids         | 27000     |          | 200     | mg/L     |    | 20  | 09/26/02 9:00  |
| ERROUS IRON BY PHENANTHROLIN   |           | SM3500   | D_FE2_W | 1        |    |     |                |
| Ferric Iron Dissolved          | ND        |          | 500     | mg/L     |    | 50  | 09/24/02 10:25 |
| Ferric Iron                    | ND        |          | 500     | mg/L     |    | 50  | 09/24/02 10:25 |
| ERROUS IRON BY PHENANTHROLIN   | E METHOD  | SM3500   | D_FE3_W | 1        |    |     |                |
| Ferrous Iron Dissolved         | ND        |          | 500     | mg/L     |    | 50  | 09/24/02 10:25 |
| Ferrous Iron                   | ND        |          | 500     | mg/L     |    | 50  | 09/24/02 10:25 |
| SULFATE BY TURBIDIMETRIC METHO | D         | SM4500   | _SO4_W  |          |    |     |                |
| Sulfate                        | 1200      |          | 700     | mg/L     |    | 100 | 09/25/02 16:02 |
| TOTAL CYANIDE                  |           | SW9012   | 2B_W    |          |    |     |                |
| Cyanide                        | ND        |          | 0.020   | ma/L (   | uJ | 1   | 09/25/02 7:00  |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quanititation limits
- B Analyte detected in the associated Method Blank
- DF Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

| Job | Number: | 202633 |
|-----|---------|--------|
| 000 |         | 202033 |

#### TEST RESULTS LABORATORY

Date: 10/09/2002

CUSTOMER: Mitkem Corporation

PROJECT: A1390

ATTN: Len Ranalli

Customer Sample ID: A1390-041 Date Sampled....: 09/23/2002 Time Sampled.....: 16:05 Sample Matrix....: Water

Laboratory Sample ID: 202633-3 Date Received.....: 09/26/2002 Time Received.....: 11:00

| TEST METHOD   | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | ٩ | REPORTING LIMIT | UNITS | DATE     | TEC |
|---------------|----------------------------|---------------|---|-----------------|-------|----------|-----|
| PA300.0 PartA | Bromide                    | 44.8          | J | - 5.0           | mg/L  | 09/27/02 | LME |
| PA300.0 PartA | Chloride                   | 17200         |   | 500             | mg/L  | 09/27/02 | rwe |
| SM18 45001    | Iodide                     | ND            | u | 5 12.0          | mg/L  | 10/08/02 | Lue |
| SM18 4500PE   | Phosphorous, Total as P    | 5.61          |   | 1.0             | mg/L  | 10/02/02 | rwe |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |
|               |                            |               |   |                 |       |          |     |

SEVERN TRENT SERVICES

MADEP MA014 RIDOH57 CTDPH 0494 VT DECWSD

NY DOH 10843 NH DES 253901-A NELAP NY10843



STL Westfield 53 Southampton Rd. Westfield, MA 01085 Tel: (413) 572-4000 Fax: (413) 572-3707

STL Billerica 149 Rangeway Rd. N. Billerica, MA 01662 Tel: (978) 667-1400 Fax: (976) 667-7871

#### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

| EPA | SAMPLE | NO. |
|-----|--------|-----|
|-----|--------|-----|

| VOLATILLE ORGANICO ARGOTO  |  |
|--|--|
| Lab Name: MITKEM CORPORATION   | Contract:                                      |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1398                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1398-03A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6742                           |
| Level: (low/med) LOW   | Date Received: 09/25/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 10/04/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1000.0                        |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 61000<br>40000<br>6700<br>8700                 |

. 7

1B

.

CAS NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

EPA SAMPLE NO.

1

| Lab Name: MITKEM CORPORATI   | ION Contract | :               | RPMW-10S   |
|------------------------------|--------------|-----------------|------------|
| Lab Code: MITKEM Case M      | No.: SAS No. | : SDG           | No.: A1398 |
| Matrix: (soil/water) WATER   | ۶<br>,       | Lab Sample ID:  | A1398-03H  |
| Sample wt/vol: 1000          |              | Lab File ID:    | S1D1180    |
| Level: (low/med) LOW         |              | Date Received:  | 09/25/02   |
| <pre>% Moisture: decar</pre> | ted: $(Y/N)$ | Date Extracted  | :09/25/02  |
| Concentrated Extract Volum   | æ: 1000(uL)  | Date Analyzed:  | 09/30/02   |
| Injection Volume: 1.0(       | uL)          | Dilution Factor | r: 1.0     |
| GPC Cleanup: (Y/N) N         | рн:          |                 |            |

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

Q

|                                    | r <u> </u> | T        |
|------------------------------------|------------|----------|
| 91-20-3Naphthalene                 | 770        | Е        |
| 91-57-62-Methylnaphthalene         | 50         |          |
| 208-96-8Acenaphthylene             | 2          | J        |
| 83-32-9Acenaphthene                | 12         |          |
| 132-64-9Dibenzofuran               | 1          | J        |
| 86-73-7Fluorene                    | 6          | J        |
| 85-01-8Phenanthrene                | 18         |          |
| 120-12-7Anthracene                 | 10         | <u> </u> |
| 206-44-0Fluoranthene               | 2          | J        |
| 129-00-0Pyrene                     | 2          | J        |
| 56-55-3Benzo(a)anthracene          | 10         | -        |
| 218-01-9Chrysene                   | 10         |          |
| 205-99-2Benzo(b)fluoranthene       | 10         | U        |
| 207-08-9Benzo(k)fluoranthene       | 10         | υ        |
| 50-32-8Benzo(a)pyrene              | 10         | +        |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 10         | +        |
| 53-70-3Dibenzo(a,h)anthracene      | 10         | U        |
| 191-24-2Benzo(g,h,i)perylene       | 10         | υ        |
|                                    |            |          |

FORM I SV-1

COMPOUND

CAS NO.

EPA SAMPLE NO.

\_\_\_\_

11

| Lab Name: MITKEM CORPORATION    | Contract  | :               | RPMW-10SDL  |
|---------------------------------|-----------|-----------------|-------------|
|                                 |           | · ·             |             |
| Lab Code: MITKEM Case No.:      | SAS NO.   | : SDG           | No.: A1398  |
| Matrix: (soil/water) WATER      |           | Lab Sample ID:  | A1398-03HDL |
| Sample wt/vol: 1000 (g          | J/mL) ML  | Lab File ID:    | S1D1205     |
| Level: (low/med) LOW            |           | Date Received:  | 09/25/02    |
| <pre>% Moisture: decanted</pre> | l: (Y/N)  | Date Extracted  | :09/25/02   |
| Concentrated Extract Volume:    | 1000 (uL) | Date Analyzed:  | 10/01/02    |
| Injection Volume: 1.0(uL)       |           | Dilution Factor | r: 20.0     |
| GPC Cleanup: (Y/N) N            | рн:       |                 |             |

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

Q

| 91-20-3Naphthalene             | 1500 | D  |
|--------------------------------|------|----|
| 91-57-62-Methylnaphthalene     | 40   | U. |
| 208-96-8Acenaphthylene         | 200  | ប  |
| 83-32-9Acenaphthene            | 200  | U  |
| 132-64-9Dibenzofuran           | 200  | U  |
| 86-73-7Fluorene                | 200  | U  |
| 85-01-8Phenanthrene            | 200  | U  |
| 120-12-7Anthracene             | 200  | ט  |
| 206-44-0Fluoranthene           | 200  | U  |
| 129-00-0Pyrene                 | 200. | U  |
| 56-55-3Benzo (a) anthracene    | 200  | ט  |
| 218-01-9Chrysene               | 200  | υ  |
| 205-99-2Benzo(b) fluoranthene  | 200  | υ  |
| 207-08-9Benzo(k)fluoranthene   | 200  | υ  |
| 50-32-8Benzo(a)pyrene          | 200  | ប  |
| 193-39-5Indeno(1,2,3-cd)pyrene | 200  | U  |
| 53-70-3Dibenzo(a,h)anthracene  | 200  | U  |
| 191-24-2Benzo(g,h,i)perylene   | 200  | U  |

-

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

|                 |            |           |               |                | RPMW-    | 10S   |
|-----------------|------------|-----------|---------------|----------------|----------|-------|
| Lab Name:       | MITKEM_COR | PORATION  | <br>Contract: |                |          |       |
| Lab Code:       | MITKEM     | Case No.: | <br>SAS No.   | :              | SDG No.: | A1398 |
| Matrix (soil/wa | ater):     | WATER_    |               | Lab Sample ID: | A1398-(  | )3E   |
| Level (low/me   | d):        | MED       |               | Date Received: | 09/25/02 | 2     |
| % 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  |               |   | <b></b> | NR |
| _7440-38-2 |           | ····          |   |         | 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      |               |   |         | P  |
| 7439-92-1  | Lead      |               |   |         | NR |
| 7439-95-4  | Magnesium |               |   |         | NR |
| 7439-96-5  |           |               |   | E       | P  |
| 7439-97-6  | Mercury   |               |   |         | NR |
| 7440-02-0  |           |               |   |         | NR |
| 7440-09-7  |           |               |   |         | NR |
| 7782-49-2  | Selenium  |               |   |         | NR |
| 7440-22-4  | Silver    |               |   |         | NR |
| 7440-23-5  |           |               |   |         | NR |
| 7440-28-0  |           |               |   |         | NR |
| 7440-62-2  |           |               |   |         | NR |
| 7440-66-6  | Zinc      |               |   |         | NR |
|            | Cyanide   |               |   |         | NR |

| Color Before:        |  | Clarity Before: | <br>Texture:   | *                      |
|----------------------|--|-----------------|----------------|------------------------|
| Color After:         |  | Clarity After:  | <br>Artifacts: |                        |
| Comments:<br>TOTAL_M | ETALS_FOR_SAMPL                        | .E_RPMW-10S     | <br>           |                        |
|                      | ······································ |                 | <br>           | ********************** |

SW846

|           | 1          |      |       |
|-----------|------------|------|-------|
| INORGANIC | ANALYSIS I | DATA | SHEET |

|                 |            |           |               |                | RPMW     | -10S  |
|-----------------|------------|-----------|---------------|----------------|----------|-------|
| Lab Name:       | MITKEM_COR | PORATION  | <br>Contract: |                |          |       |
| Lab Code:       | MITKEM     | Case No.: | <br>SAS No    | .:             | SDG No.: | A1398 |
| Matrix (soil/wa | iter):     | WATER_    |               | Lab Sample ID: | A1398-   | 03F   |
| Level (low/med  | i):        | MED       |               | Date Received: | 09/25/02 | 2     |
| % Solids:       |            |           |               |                |          |       |

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

С Q Μ CAS No. Analyte Concentration NR 7429-90-5 Aluminum NR 7440-36-0 Antimony\_ NR 7440-38-2 Arsenic\_ NR 7440-39-3\_ Barium NR Beryllium 7440-41-7\_ NR 7440-43-9 Cadmium NR Calcium\_ \_7440-70-2\_ NR 7440-47-3 Chromium\_ NR Cobalt\_ \_7440-48-4\_ NR \_7440-50-8\_ Copper\_ **P**\_ 2600 \_7439-89-6\_ Iron NR 7439-92-1 Lead\_ NR \_7439-95-4\_ Magnesium 171\_ E\_ **P**\_ ...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 Thallium\_ \_7440-28-0\_ NR Vanadium\_ \_7440-62-2\_ NR Zinc\_ \_7440-66-6\_ NR Cyanide\_

| Color Before:        | ·               | Clarity Before: | <br>Texture:   |  |
|----------------------|-----------------|-----------------|----------------|--|
| Color After:         |                 | Clarity After:  | <br>Artifacts: |  |
| Comments:<br>DISSOLV | ED_METALS_FOR_S | AMPLE_RPMW-10S  | <br>           |  |
|                      |                 |                 | <br>           |  |

000**42**6

EPA SAMPLE NO.

UG/L

## **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-10SLab ID:A1398-03

## Project: Keyspan Collection Date: 09/24/02 14:00 Matrix: AQUEOUS

| Analyses                        | Result  | Qual           | Limit     | Units      | DF  | Date Analyzed  |
|---------------------------------|---------|----------------|-----------|------------|-----|----------------|
| NITROGEN (NITRATE) BY AUTOMATED | CD REDI | J E353.2       | NO3       |            |     |                |
| Nitrate-N                       | ND      |                | 0.25      | mg/L       | 5   | 09/25/02 14:54 |
| ALKALINITY BY TITRATION METHOD  |         | SM232          | <b></b> W |            |     |                |
| Alkalinity, Total (As CaCO3)    | 270     |                | 40        | mg/L CaCO3 | 2   | 09/25/02 12:00 |
| FERROUS IRON BY PHENANTHROLINE  | METHOD  | SM350          | D_FE2_W   | /          |     |                |
| Ferric Iron – Dissolved         | ND      |                | 1000      | mg/L       | 100 | 09/25/02 11:10 |
| Ferric Iron                     | ND      |                | 1000      | mg/L       | 100 | 09/25/02 11:10 |
| FERROUS IRON BY PHENANTHROLINE  | METHOD  | SM350          | D_FE3_W   | /          |     |                |
| Ferrous Iron - Dissolved        | ND      |                | 1000      | mg/L ひ丁    | 100 | 09/25/02 11:10 |
| Ferrous iron                    | ND      |                | 1000      | mg/L U丁    | 100 | 09/25/02 11:10 |
| SULFATE BY TURBIDIMETRIC METHOD |         | SM4500         | _SO4_W    |            |     |                |
| Sulfate                         | 24      |                | 14        | mg/L       | 2   | 09/26/02 13:47 |
| TOTAL CYANIDE                   |         | <b>SW90</b> 1: | 2B_W      |            |     |                |
| Cyanide                         | 0.17    |                | 0.020     | mg/L       | 1   | 09/30/02 14:00 |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quanititation limits
- B Analyte detected in the associated Method Blank

DF - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

| 1A       |          |          |      |       |  |  |  |
|----------|----------|----------|------|-------|--|--|--|
| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |  |  |  |

| EPA | SAMPLE | NO. |
|-----|--------|-----|
|-----|--------|-----|

.

|                      |                 |  | l ,              |
|----------------------|-----------------|--|------------------|
| Lab Name: MITKEM COR | PORATION        | Contract:                                  | RPMW-10I         |
| Lab Code: MITKEM     | Case No.:       | SAS No.: SDG                               | No.: A1398       |
| Matrix: (soil/water) | WATER           | Lab Sample ID                              | : A1398-04A      |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File ID:                               | V3A6687          |
| Level: (low/med)     | LOW             | Date Received                              | : 09/25/02       |
| * Moisture: not dec. |                 | Date Analyzed                              | : 10/03/02       |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution Fact                              | or: 1.0          |
| Soil Extract Volume: | (uL)            | Soil Aliquot                               | Volume:(uL)      |
| CAS NO.              | COMPOUND        | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/ |                  |
|                      |                 |  | 3<br>3<br>1<br>2 |

000064

----- · — –

#### 1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ľ

| Lab Name: MITKEM CORE  | PORATION Contract | :                        |
|------------------------|-------------------|--------------------------|
| Lab Code: MITKEM (     | Case No.: SAS No. | : SDG No.: A1398         |
| Matrix: (soil/water)   | WATER             | Lab Sample ID: Al398-04H |
| Sample wt/vol:         | 1000 (g/mL) ML    | Lab File ID: S1D1142     |
| Level: (low/med)       | LOW               | Date Received: 09/25/02  |
| <pre>% Moisture:</pre> | decanted: (Y/N)   | Date Extracted:09/25/02  |
| Concentrated Extract   | Volume: 1000(uL)  | Date Analyzed: 09/27/02  |
| Injection Volume:      | 1.0(uL)           | Dilution Factor: 1.0     |
| GPC Cleanup: (Y/N)     | и рн:             |                          |

CAS NO.

-

COMPOUND

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

Q

|   | T  | <u> </u> |
|---|----|----------|
| 91-20-3Naphthalene                                | 10 | ט        |
| 91-57-62-Methylnaphthalene                        | 10 |          |
| 208-96-8Acenaphthylene                            | 10 | -        |
| 83-32-9Acenaphthene                               | 10 |          |
| 132-64-9Dibenzofuran                              | 10 | -        |
| 86-73-7Fluorene                                   | 10 | ] -      |
| 85-01-8Phenanthrene                               |    | -        |
| 120-12-7Anthracene                                | 10 | -        |
| 206-44-0Fluoranthene                              | 10 |          |
| 129-00-0Pyrene                                    | 10 |          |
| 56-55-3Benzo (a) anthracene                       | 10 | -        |
|   | 10 | -        |
| 218-01-9Chrysene<br>205-99-2Benzo(b) fluoranthene | 10 | -        |
|   |    | - 1      |
| 207-08-9Benzo(k)fluoranthene                      | 10 | -        |
| 50-32-8Benzo(a)pyrene                             | 10 |          |
| 193-39-5Indeno(1,2,3-cd)pyrene                    | 10 | - 1      |
| 53-70-3Dibenzo(a,h)anthracene                     | 10 | - 1      |
| 191-24-2Benzo(g,h,i)perylene                      | 10 | 0        |
|   |    | <u> </u> |

#### l INORGANIC ANALYSIS DATA SHEET

|                |           | INORGANIC / | INORGANIC AIGHE I SIS DATA SHEET |             |          |       |
|----------------|-----------|-------------|----------------------------------|-------------|----------|-------|
| Lab Name:      | MITKEM_CO | RPORATION   | Contract:                        |             | RPMW     | -101  |
| Lab Code:      | MITKEM    | Case No.:   | _ SAS No.:                       |             | SDG No.: | A1398 |
| Matrix (soil/w | ater):    | WATER_      | Lab                              | Sample ID:  | A1398-0  | 4E    |
| Level (low/me  | xd):      | MED         | Date                             | e Received: | 09/25/02 | 2     |
| % Solids:      |           |             |                                  |             |          |       |

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

UG/L

EPA SAMPLE NO.

| CAS No.    | Analyte   | Concentration | С | Q | м       |
|------------|-----------|---------------|---|---|---------|
| _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 |           | 967           |   |   | P       |
| _7439-92-1 | Lead      |               |   |   | NR      |
| _7439-95-4 | Magnesium |               |   |   | NR      |
| _7439-96-5 | Manganese | 102           |   | É | P       |
| _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      |
|            | Cyanide _ |               |   |   | NR      |

| Color Before:      |                  | Clarity Before: |  | Texture:   |  |
|--------------------|------------------|-----------------|--|------------|--|
| Color After:       |                  | Clarity After:  |  | Artifacts: |  |
| Comments:<br>TOTAL | _METALS_FOR_SAMP | LE_RPMW-10I     |  |            |  |
|                    |                  |                 | ······································ |            |  |

FORM I - IN

SW846

.

#### 1 INORGANIC ANALYSIS DATA SHEET

|                 |            | шол       | AND AND | TTI SIS DATA SIL |              |                  |              |
|-----------------|------------|-----------|---------|------------------|--------------|------------------|--------------|
| Lab Name:       | MITKEM_COR | PORATION  |         | Contract:        |              | RPMW             | -1 <b>0I</b> |
| Lab Code:       | MITKEM     | Case No.: |         | SAS No.:         |              | SDG No.:         | A1398        |
| Matrix (soil/wa | ter):      | WATER_    |         | Lat              | Sample ID:   | A1398-0          | )4F          |
| Level (low/med  | l):        | MED       |         | Dat              | te Received: | <b>09/25/0</b> 2 | 2            |
|                 |            |           |         |                  |              |                  |              |

% Solids:

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

UG/L

EPA SAMPLE NO.

| CAS No.    | No. Analyte Concentration |     | C | Q      | М           |
|------------|---------------------------|-----|---|--------|-------------|
| 7429-90-5  | Aluminum                  |     |   |        |             |
| _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                      |     | B |        | P           |
| _7439-92-1 |                           |     |   |        | NR          |
| _7439-95-4 | Magnesium                 |     |   |        | NR          |
| _7439-96-5 | Manganese                 | 105 |   | _E     | P           |
| _7439-97-6 | Mercury                   |     |   |        | NR          |
| _7440-02-0 | Nickel                    |     |   |        | NR          |
| _7440-09-7 | Potassium                 |     |   |        | NR          |
| _7782-49-2 | Selenium                  |     |   |        | $_{\rm NR}$ |
| _7440-22-4 | Silver                    |     |   |        | NR          |
| _7440-23-5 | Sodium                    |     |   |        | NR          |
| _7440-28-0 | Thallium                  |     |   |        | NR          |
|            | Vanadium                  |     |   |        | NR          |
| _7440-66-6 | Zinc                      |     |   |        | NR          |
|            | Cyanide                   |     |   |        | NR          |

|                     |                   | FORM I          |  | SW846      |           |
|---------------------|-------------------|-----------------|--|------------|-----------|
| Comments:<br>DISSOI | LVED_METALS_FOR_S | AMPLE_RPMW-10I  |  |            |           |
| Color After:        |                   | Clarity After:  |  | Artifacts: |           |
| Color Before:       |                   | Clarity Before: |  | Texture:   | <b></b> _ |

# **Mitkem Corporation**

-- --

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-10ILab ID:A1398-04

# Project: Keyspan Collection Date: 09/24/02 16:30 Matrix: AQUEOUS

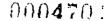
| Malyses                       | Result    | Qual     | Limit   | Units      | DF | Date Analyzed  |
|-------------------------------|-----------|----------|---------|------------|----|----------------|
| ITROGEN (NITRATE) BY AUTOMATE | ) CD RED( | J E353.2 | NO3     |            |    |                |
| Nitrate-N                     | ND        |          | 0.050   | mg/L       | 1  | 09/25/02 14:54 |
| LKALINITY BY TITRATION METHOD |           | SM2320   | _w      |            |    |                |
| Alkalinity, Total (As CaCO3)  | 180       |          | 20      | mg/L CaCO3 | 1  | 09/25/02 12:00 |
| ERROUS IRON BY PHENANTHROLIN  |           | SM3500   | D_FE2_W | 1          |    |                |
| Ferric fron Dissolved         | ND        |          | 250     | mg/L       | 25 | 09/25/02 11:10 |
| Ferric Iron                   | ND        |          | 250     | mg/L       | 25 | 09/25/02 11:10 |
| ERROUS IRON BY PHENANTHROLINI |           | SM3500   | D FE3 W | 1          |    |                |
| Ferrous Iron - Dissolved      | ND        |          | 250     | mg/L UJ    | 25 | 09/25/02 11:10 |
| Ferrous iron                  | ND        |          | 250     | mg/L ∪∫    | 25 | 09/25/02 11:10 |
| ULFATE BY TURBIDIMETRIC METHO | D         | SM4500   | _SO4_W  |            |    |                |
| Sulfate                       | 1400      |          | 350     | mg/L       | 50 | 09/26/02 13:47 |
| OTAL CYANIDE                  |           | SW9012   | B_W     |            |    |                |
| Cyanide                       | ND        |          | 0.020   | mg/L       | 1  | 09/30/02 14:00 |

Quailfiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

DF - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit



### EPA SAMPLE NO.

Ŧ

-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: MITKEM COR            | PORATION        | Contract:                                   | RPMW-11I                    |
|---------------------------------|-----------------|---|-----------------------------|
| Lab Code: MITKEM                | Case No.:       | SAS No.: SDG                                | No.: A1379                  |
| Matrix: (soil/water)            | WATER           | Lab Sample ID                               | : A1379-05A                 |
| Sample wt/vol:                  | 5.000 (g/mL) ML | Lab File ID:                                | V3A6588                     |
| Level: (low/med)                | LOW             | Date Received                               | : 09/20/02                  |
| <pre>% Moisture: not dec.</pre> |                 | Date Analyzed                               | : 09/29/02                  |
| GC Column: RTX-502.2            | ID: 0.53 (mm)   | Dilution Fact                               | or: 1.0                     |
| Soil Extract Volume:            | (uL)            | Soil Aliquot                                | Volume:(uL)                 |
| CAS NO.                         | COMPOUND        | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/: | -                           |
|                                 |                 |   | 40<br>31<br>1000 E<br>970 E |

• •

.

|          | -        | LA       |      |       |
|----------|----------|----------|------|-------|
| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |

EPA SAMPLE NO.

~1

|                         |   | · ···  | ••  |   |  |
|-------------------------|---|--|---|---|--|
| PORATION                | Contract:   |  | RPM   | W-11IDL   |  |
| Case No.:               | SAS No.:  | SDG N  | io.: 1  | A1379   |  |
| WATER                   | Lab Sa  | ample ID:  | A1379   | 9-05ADL   |  |
| 5.000 (g/mL) ML         | Lab F:  | ile ID:  | V3A66   | 535   |  |
| LOW                     | Date 1  | Received:  | 09/20   | 0/02  |  |
| ·                       | Date 1  | Analyzed:  | 10/01   | L/02  |  |
| 2 ID: 0.53 (mm)         | Dilut   | ion Factor   | : 25.   | . 0   |  |
| (uL)                    | Soil A  | Aliquot Vo   | lume:   |   | (uL)   |
| COMPOUND                |   |  |   | Q   |  |
| Toluene<br>Ethylbenzene |   |  | 38<br>1800  | D<br>D  |  |
|                         | Case No.:<br>WATER<br>5.000 (g/mL) ML<br>LOW<br>ID: 0.53 (mm)<br>(uL)<br>COMPOUND | Case No.: SAS No.:<br>WATER Lab S<br>5.000 (g/mL) ML Lab F<br>LOW Date D<br>Date | Case No.: SAS No.: SDG N<br>WATER Lab Sample ID:<br>5.000 (g/mL) ML Lab File ID:<br>LOW Date Received:<br>Date Analyzed:<br>Pate Analyzed:<br>Dilution Factor<br>(uL) Soil Aliquot Vo<br>CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L<br>Benzene<br>Toluene | RPORATION       Contract:         Case No.:       SAS No.:       SDG No.: //         WATER       Lab Sample ID: A1379         5.000 (g/mL) ML       Lab File ID: V3A66         LOW       Date Received: 09/20          Date Received: 09/20          Date Analyzed: 10/01         2: ID: 0.53 (mm)       Dilution Factor: 25.        (uL)       Soil Aliquot Volume:         CONCENTRATION UNITS:       (ug/L or ug/Kg) UG/L        Benzene       48        Ethylbenzene       1800 | Case No.: SAS No.: SDG No.: A1379<br>WATER Lab Sample ID: A1379-05ADL<br>5.000 (g/mL) ML Lab File ID: V3A6635<br>LOW Date Received: 09/20/02<br>Date Analyzed: 10/01/02<br>Pate Analyzed: 10/01/02<br>Date Analyzed: 10/01/02<br>Pate Analyzed: 10/01/02<br>Date Analyzed: 10/01/02<br>Pate |

.

• • •

-

---- --- ---

### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATIONContract:RPMW-111Lab Code: MITKEM Case No.:SAS No.:SDG No.: A1379Matrix: (soil/water) WATERLab Sample ID: A1379-05C

Sample wt/vol: 1000 (g/mL) ML Level: (low/med) LOW % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Concentrated Extract Volume: 1000(uL) Injection Volume: 1.0(uL)

GPC Cleanup: (Y/N) N pH: \_\_\_\_

t: SDG No.: A1379 Lab Sample ID: A1379-05C Lab File ID: S1D1129 Date Received: 09/20/02 Date Extracted:09/23/02 Date Analyzed: 09/27/02 Dilution Factor: 8.0

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene             | 800   | 1           |
|--------------------------------|---|-------------|
|                                |   | <del></del> |
| 91-57-62-Methylnaphthalene     | . 38  |             |
| 208-96-8Acenaphthylene         | 32  | J           |
| 83-32-9Acenaphthene            | 180   |             |
| 132-64-9Dibenzofuran           | 80  | υ           |
| 86-73-7Fluorene                | 27  | J           |
| 85-01-8Phenanthrene            | 60  | J           |
| 120-12-7Anthracene             | 14  | J           |
| 206-44-0Fluoranthene           | 80  | U           |
| 129-00-0Pyrene                 | 80  | υ           |
| 56-55-3Benzo(a)anthracene      | 80  | υ           |
| 218-01-9Chrysene               | 80  | υ           |
| 205-99-2Benzo(b) fluoranthene  | 80  | U           |
| 207-08-9Benzo(k)fluoranthene   | 80  | U           |
| 50-32-8Benzo (a) pyrene        | 80  | υ           |
| 193-39-5Indeno(1,2,3-cd)pyrene | 80  | U           |
| 53-70-3Dibenzo(a,h)anthracene  | 80  | U           |
| 191-24-2Benzo(q,h,i)perylene   | 80  | U           |
|                                |   |             |
|                                | ۱ <u>ــــــــــــــــــــــــــــــــــــ</u> |             |

# FORM I SV-1

|                 |           | INOR       | GANIC ANA | i<br>ALYSIS DATA | SHEET          | EPA SAN  | MPLE NO. |
|-----------------|-----------|------------|-----------|------------------|----------------|----------|----------|
| Lab Name:       | MITKEM_CC | PRPORATION |           | Contract:        | / /2           | RPMW     | -111     |
| Lab Code:       | MITKEM    | Case No.:  |           | SAS No.          | :              | SDG No.: | A1379    |
| Matrix (soil/wa | iter):    | WATER.     |           |                  | Lab Sample ID: | A1379-(  | 05D      |
| Level (low/med  | i):       | MED        |           |                  | Date Received: | 09/20/02 | 2        |
| % 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 |           |                 |   |          | NR    |
| 7440-38-2  |           | •               |   |          | NR    |
| _7440-39-3 | Barium    |                 |   |          | NR    |
| _7440-41-7 |           |                 |   |          | 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    |                 |   | <u>.</u> | NR    |
| _7440-23-5 | Sodium    |                 |   |          | NR    |
| _7440-28-0 | Thallium  |                 |   |          | NR    |
| 7440-62-2  | Vanadium  |                 |   |          | NR    |
| _7440-66-6 | Zinc      |                 |   |          | _  NR |
|            | Cyanide   |                 |   |          | CA    |
| ·          |           | Clarity Before: |   |          |       |

Comments:

ts:

FORM I - IN

SW846

\_\_\_\_

EPA SAMPLE NO.

1

1

| VOLATILE ORGANICS ANALYSIS DATA SHEET |
|---------------------------------------|
|---------------------------------------|

| Lab Name: MITKEM CORPORATION   | Contract:                                      |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1379                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1379-06A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6589                           |
| Level: (low/med) LOW   | Date Received: 09/20/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 09/29/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>1 U<br>1 U<br>1 U         |

FORM I VOA

.

••

.

•••

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-11D Contract: Lab Name: MITKEM CORPORATION SDG No.: A1379 SAS No.: Case No.: Lab Code: MITKEM Lab Sample ID: A1379-06C Matrix: (soil/water) WATER S1D1086 Lab File ID: 1000 (g/mL) ML Sample wt/vol: Date Received: 09/20/02 LOW Level: (low/med) Date Extracted:09/23/02 decanted: (Y/N) % Moisture: Date Analyzed: 09/25/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene<br>91-57-62-Methylnaphthalene<br>208-96-8Acenaphthylene                            | 10<br>10<br>10       | υ      |
|---|----------------------|--------|
| 208-96-8Acenaphthene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene | 10<br>10<br>10       | ប<br>ប |
| 85-01-8Phenanthrene<br>120-12-7Anthracene<br>206-44-0Fluoranthene                                     | 10<br>10<br>10<br>10 | บ<br>บ |
| 129-00-0Pyrene<br>56-55-3Benzo (a) anthracene<br>218-01-9Chrysene<br>205-99-2Benzo (b) fluoranthene   | 10<br>10<br>10<br>10 | บ<br>บ |
| 207-08-9Benzo (k) fluoranthene<br>50-32-8Benzo (a) pyrene<br>193-39-5Indeno (1, 2, 3-cd) pyrene       | 10<br>10             | U<br>U |
| 53-70-3Dibenzo (a, h) anthracene<br>191-24-2Benzo (g, h, i) perylene                                  | 10<br>10             | -      |

|                 |             | INORGANIC A | I<br>NALYSIS DATA SHEET | EPA SAMPLE NO. |
|-----------------|-------------|-------------|-------------------------|----------------|
| Lab Name:       | MITKEM_CO   | RPORATION   | Contract:               | RPMW-11D       |
| Lab Code:       | MITKEM      | Case No.:   | SAS No.:                | SDG No.: A1379 |
| Matrix (soil/wa | iter):      | WATER       | Lab Sample ID:          | A1379-06D      |
| Level (low/med  | <b>i)</b> : | MED         | Date Received:          | 09/20/02       |
| % Solids:       |             |             |                         |                |

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

- . . .

UG/L

| -90-5<br>-36-0<br>-38-2<br>-39-3<br>-41-7<br>-43-9<br>-70-2<br>-47-3<br>-48-4<br>-50-8<br>-89-6 | Aluminum<br>Antimony<br>Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Calcium<br>Chromium<br>Cobalt<br>Copper |  |  |  | NR<br>NR<br>NR<br>NR<br>NR<br>NR   |  |
|---|--|--|--|--|--|--|
| -36-0<br>-38-2<br>-39-3<br>-41-7<br>-43-9<br>-70-2<br>-47-3<br>-48-4<br>-50-8<br>-89-6          | Antimony<br>Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Calcium<br>Chromium<br>Cobalt                       |  |  |  | NR<br>NR<br>NR<br>NR<br>NR   |  |
| -38-2<br>-39-3<br>-41-7<br>-43-9<br>-70-2<br>-47-3<br>-48-4<br>-50-8<br>-89-6                   | Arsenic<br>Barium<br>Beryllium<br>Cadmium<br>Calcium<br>Chromium<br>Cobalt                                   |  |  |  | NR<br>NR<br>NR<br>NR   |  |
| -39-3<br>-41-7<br>-43-9<br>-70-2<br>-47-3<br>-48-4<br>-50-8<br>-89-6                            | Barium<br>Beryllium<br>Cadmium<br>Calcium<br>Chromium<br>Cobalt  |  |  |  | NR<br>NR<br>NR   |  |
| -41-7<br>-43-9<br>-70-2<br>-47-3<br>-48-4<br>-50-8<br>-89-6                                     | Beryllium<br>Cadmium<br>Calcium<br>Chromium<br>Cobalt  |  |  |  | NR<br>NR   |  |
| -43-9<br>-70-2<br>-47-3<br>-48-4<br>-50-8<br>-89-6  | Cadmium<br>Calcium<br>Chromium<br>Cobalt   |  |  |  | NR   |  |
| -70-2<br>-47-3<br>-48-4<br>-50-8<br>-89-6   | Chromium<br>Cobalt   |  |  |  | i  |  |
| -47-3<br>-48-4<br>-50-8<br>-89-6  | Cobalt   |  |  |  |  |  |
| -48-4<br>-50-8<br>-89-6   |  |  |  |  | INR  |  |
| -50-8<br>-89-6  |  |  |  |  | NR   |  |
| -89-6   |  |  |  |  | NR.  |  |
|   | Iron   |  |  |  | NR   |  |
| -92-1   | Lead   |  |  |  | NR.  |  |
| -95-4   | Magnesium  |  |  |  | INR  |  |
| -96-5   |  |  |  |  | NR   |  |
| -97-6   | Mercury  |  |  |  |  |  |
| -02-0   | Nickel   |  |  |  | NR   |  |
| -09-7   | Potassium  |  |  |  | NR.  |  |
| -49-2   | Selenium   |  |  | <u>^</u>   | ·1   |  |
| -22-4   | Silver   |  | <u></u>  |  |  |  |
| -23-5   | Sodium   |  |  |  | 1.   |  |
| -28-0   | Thallium   |  |  |  | 1  |  |
| -62-2   | Vanadium   |  |  |  |  |  |
| -66-6   | Zinc   |  |  |  | 7-   |  |
|   | Cyanide  | 5.0  | U  |  | CA   |  |
|   | -97-6<br>-02-0<br>-09-7<br>-49-2<br>-22-4<br>-23-5<br>-28-0<br>-62-2   | -97-6         Mercury           -02-0         Nickel           -09-7         Potassium           -49-2         Selenium           -22-4         Silver           -23-5         Sodium           -28-0         Thallium           -62-2         Vanadium           -66-6         Zinc | -97-6         Mercury           -02-0         Nickel           -09-7         Potassium           -49-2         Selenium           -22-4         Silver           -23-5         Sodium           -28-0         Thallium           -62-2         Vanadium           -66-6         Zinc | -97-6       Mercury         -02-0       Nickel         -09-7       Potassium         -49-2       Selenium         -22-4       Silver         -23-5       Sodium         -28-0       Thallium         -62-2       Vanadium         -66-6       Zinc | -97-6       Mercury         -02-0       Nickel         -09-7       Potassium         -49-2       Selenium         -22-4       Silver         -23-5       Sodium         -28-0       Thallium         -62-2       Vanadium         -66-6       Zinc | -97-6       Mercury       NR         -97-6       Mercury       NR         -02-0       Nickel       NR         -09-7       Potassium       NR         -49-2       Selenium       NR         -22-4       Silver       NR         -23-5       Sodium       NR         -28-0       Thallium       NR         -62-2       Vanadium       NR         -66-6       Zinc       NR |

FORM I - IN

SW846

|                                 | 1A                |  | EPA SAMPLE NO. |
|---------------------------------|-------------------|--|----------------|
| VOLATILE                        | ORGANICS ANALYSIS | s data sheet                                 | ·····          |
| Lab Name: MITKEM CORI           | PORATION          | Contract:                                    | RPMW-12S       |
| Lab Code: MITKEM                | Case No.:         | SAS No.: SDG                                 | No.: A1379     |
| Matrix: (soil/water)            | WATER             | Lab Sample ID:                               | A1379-01A      |
| Sample wt/vol:                  | 5.000 (g/mL) ML   | Lab File ID:                                 | V3A6634        |
| Level: (low/med)                | LOW               | Date Received:                               | 09/20/02       |
| <pre>% Moisture: not dec.</pre> |                   | Date Analyzed:                               | 10/01/02       |
| GC Column: RTX-502.2            | ID: 0.53 (mm)     | Dilution Facto                               | pr: 5.0        |
| Soil Extract Volume:            | (uL)              | Soil Aliquot V                               | 'olume:(uL)    |
| CAS NO.                         | COMPOUND          | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L |                |

71-43-2----Benzene 108-88-3----Toluene 100-41-4----Ethylbenzene 1330-20-7----Xylene (Total) 5 U 100 100 650

• . . . . . . . ...

- - -

### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RPMW-12S Lab Name: MITKEM CORPORATION Contract: SDG No.: A1379 Lab Code: MITKEM Case No.: SAS No.: Matrix: (soil/water) WATER Lab Sample ID: A1379-01C 1000 (g/mL) ML Sample wt/vol: Lab File ID: S1D1134 Level: (low/med) LOW Date Received: 09/20/02 % Moisture: decanted: (Y/N) Date Extracted:09/23/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/27/02 Dilution Factor: 15.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO.

COMPOUND

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

Q

|  | 1000 | [        |
|--|------|----------|
| 91-20-3Naphthalene                           | 1800 | <u> </u> |
| 91-57-62-Methylnaphthalene                   | 420  | ]        |
| 208-96-8Acenaphthylene                       | 150  |          |
| 83-32-9Acenaphthene                          | 24   | J        |
| 132-64-9Dibenzofuran                         | 150  | U        |
| 86-73-7Fluorene                              | 53   | J        |
| 85-01-8Phenanthrene                          | 58   | J        |
| 120-12-7Anthracene                           | 150  | U        |
| 206-44-0Fluoranthene                         | 150  | U        |
| 129-00-0Pyrene                               | 150  | U        |
| 56-55-3Benzo(a)anthracene                    | 150  | U        |
| 218-01-9Chrysene                             | 150  | ប        |
| 205-99-2Benzo (b) fluoranthene               | 150  | υ        |
| 207-08-9Benzo(k)fluoranthene                 | 150  | U        |
| 50-32-8Benzo (a) pyrene                      | 150  | U        |
| 193-39-5Indeno(1,2,3-cd)pyrene               | 150  | ט        |
| 53-70-3Dibenzo(a,h)anthracene                | 150  | U        |
| 191-24-2Benzo(g,h,i)perylene                 | 150  | U (      |
|  |      | İ        |
| <b>`````````````````````````````````````</b> | ·    |          |

FORM I SV-1

|                 |             | INOR      | GANIC ANA | l<br>LYSIS DATA | SHEET          | EPA SAN       | MPLE NO. | ] |
|-----------------|-------------|-----------|-----------|-----------------|----------------|---------------|----------|---|
| Lab Name:       | MITKEM_CORP | ORATION_  |           | Contract:       |                | <b>RPMW</b> - | -12S     | : |
| Lab Code:       | MITKEM      | Case No.: |           | SAS No.         |                | SDG No.:      | A1379    |   |
| Matrix (soil/wa | ter):       | WATER_    |           |                 | Lab Sample ID: | A1379-0       | 01D      |   |
| Level (low/med  | l):         | MÉD       |           |                 | Date Received: | 09/20/02      | 2        |   |
|                 |             |           |           |                 |                |               |          |   |

% Solids:

.

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

---

\_\_\_\_\_

UG/L

| CAS No.   | Analyte Concentration | C | Q        | М    |
|-----------|-----------------------|---|----------|------|
| 7429-90-5 | Aluminum              |   |          | NR   |
| 7440-36-0 | Antimony              |   |          | NR   |
| 7440-38-2 | Arsenic               |   |          | NR   |
| 7440-39-3 |                       |   |          | 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                |   | <b>.</b> | NR   |
| 7440-50-8 |                       |   |          | 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               |   |          |      |
| 7440-02-0 | Nickel                |   |          | _NR  |
| 7440-09-7 |                       |   |          | NR   |
| 7782-49-2 | Selenium              |   |          | NR   |
| 7440-22-4 | Silver                |   |          | NR   |
| 7440-23-5 |                       |   |          | NR   |
| 7440-28-0 |                       |   |          | _NR  |
| 7440-62-2 |                       |   |          | _NR  |
| 7440-66-6 |                       |   |          | NR   |
|           | Cyanide770            |   |          | CA   |

| Color Be | fore:                                 | <br>Clarity Before: | <br>Texture:   | <u> </u> |
|----------|---------------------------------------|---------------------|----------------|----------|
| Color Af | ter:                                  | <br>Clarity After:  | <br>Artifacts: |          |
| Commen   | ts:                                   | <br>                | <br>           |          |
|          |                                       | <br>                |                |          |
|          | · · · · · · · · · · · · · · · · · · · |                     |                |          |
|          |                                       |                     |                |          |

FORM I - IN

SW846

EPA SAMPLE NO.

- 1

ı.

|  | VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |
|--|----------|----------|----------|------|-------|
|--|----------|----------|----------|------|-------|

|   |  | RPMW-12I   |
|---|--|------------|
| Lab Name: MITKEM CORPORATION  | Contract:                                    |            |
| Lab Code: MITKEM Case No.:  | SAS No.: SDG                                 | No.: A1379 |
| Matrix: (soil/water) WATER  | Lab Sample ID:                               | A1379-02A  |
| Sample wt/vol: 5.000 (g/mĽ) MI  | Lab File ID:                                 | V3A6624    |
| Level: (low/med) LOW  | Date Received:                               | 09/20/02   |
| % Moisture: not dec.  | Date Analyzed:                               | 09/30/02   |
| GC Column: RTX-502.2 ID: 0.53 (mm)  | Dilution Facto                               | r: 1.0     |
| Soil Extract Volume:(uL)  | Soil Aliquot V                               | olume:(uL) |
| CAS NO. COMPOUND  | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L | Q          |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total |  |            |

----

.

• •

# EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-12I

| Lab Name: MITKEM CORPORATION Contrac   | :t:                      |
|--|--------------------------|
| Lab Code: MITKEM Case No.: SAS No      | SDG NO.: A1379           |
| Matrix: (soil/water) WATER             | Lab Sample ID: A1379-02C |
| Sample wt/vol: 1000 (g/mL) ML          | Lab File ID: S1D1083     |
| Level: (low/med) LOW                   | Date Received: 09/20/02  |
| <pre>% Moisture: decanted: (Y/N)</pre> | Date Extracted:09/23/02  |
| Concentrated Extract Volume: 1000(uL)  | Date Analyzed: 09/25/02  |
| Injection Volume: 1.0(uL)              | Dilution Factor: 1.0     |
| GPC Cleanup: (Y/N) N pH: 7.0           |                          |

COMPOUND CAS NO.

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

Q

|                                |      | ]          |
|--------------------------------|------|------------|
| 91-20-3Naphthalene             | 2    | J          |
| 91-57-62-Methylnaphthalene     | - 10 | ש          |
| 208-96-8Acenaphthylene         | - 10 | U          |
| 83-32-9Acenaphthene            | - 10 | U          |
| 132-64-9Dibenzofuran           | - 10 | U          |
| 86-73-7Fluorene                | - 2  | J          |
| 85-01-8Phenanthrene            | - 8  | J          |
| 120-12-7Anthracene             | -  1 | J          |
| 206-44-0Fluoranthene           | - 2  | J          |
|                                | - 3  | J          |
| 129-00-0Pyrene                 | - 10 | π          |
| 56-55-3Benzo (a) anthracene    | - 10 | -          |
| 218-01-9Chrysene               | - 10 | -          |
| 205-99-2Benzo(b) fluoranthene  | - 10 |            |
| 207-08-9Benzo(k)fluoranthene   | - 10 | -          |
| 50-32-8Benzo (a) pyrene        | - 10 | -          |
| 193-39-5Indeno(1,2,3-cd)pyrene |      | -          |
| 53-70-3Dibenzo(a,h)anthracene  | 10   | -          |
| 191-24-2Benzo(g,h,i)perylene   | 10   | U          |
|                                | _ [  | . <u> </u> |

FORM I SV-1

\_\_\_\_\_\_

\_\_\_\_\_

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

| Lab Name:        | MITKEM CORPO | RATION    | Contract:   |        |           | RPMW-1    | 21       |
|------------------|--------------|-----------|-------------|--------|-----------|-----------|----------|
| Lab Code:        | MITKEM       | Case No.: | <br>SAS No. |        |           | SDG No.:  | A1379    |
| Matrix (soil/wat | er):         | WATER_    |             | Lab Sa | ample ID: | A 1379-02 | 2D       |
| Level (low/med)  | :            | MED       |             | Date R | leceived: | 09/20/02_ | <u> </u> |
| % 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  |           |               |   |   | 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    |
|            | Cyanide   | 9.1           | B |   | _CA   |

| Color Before: | <br>Clarity Before:                       | <br>Texture:   |  |
|---------------|---|----------------|--|
| Color After:  | <br>Clarity After:                        | <br>Artifacts: |  |
| Comments:     |   |                |  |
|               | <br>                                      | <br>           |  |
|               | <br>· · · · · · · · · · · · · · · · · · · | <br>           |  |
|               | <br>                                      | <br>           |  |
|               | <br>·                                     | <br>           |  |

FORM I - IN

SW846

.

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

.

. -

•

EPA SAMPLE NO.

1-

-1

| Lab Name: MITKEM CORPORATION Contra  | RPMW-12D                                   |
|--|--|
| Lab Code: MITKEM Case No.: SAS 1   | No.: SDG No.: A1379                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1379-03A                   |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6586                       |
| Level: (low/med) LOW   | Date Received: 09/20/02                    |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 09/29/02                    |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                       |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                   |
| ++-  | NCENTRATION UNITS:<br>J/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>1 U<br>1 U            |

FORM I VOA

.

OLM03.0

# EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-12D

| Lab Name: MITKEM CORPO   | DRATTON CONTRACT | :                        |
|--------------------------|------------------|--------------------------|
| LAD MARE: MITNER CONTO   |                  |                          |
| Lab Code: MITKEM Ca      | ase No.: SAS No. | : SDG No.: A1379         |
| Matrix: (soil/water) W   | VATER            | Lab Sample ID: A1379-03H |
| Sample wt/vol: 1         | L000 (g/mL) ML   | Lab File ID: S1D1084     |
| Level: (low/med) L       | WO               | Date Received: 09/20/02  |
| <pre>% Moisture: d</pre> | lecanted: (Y/N)  | Date Extracted:09/23/02  |
| Concentrated Extract V   | /olume: 1000(uL) | Date Analyzed: 09/25/02  |
| Injection Volume:        | 1.0 (uL)         | Dilution Factor: 1.0     |
| GPC Cleanup: (Y/N) N     | рн: 7.0          |                          |

CAS NO. COMPOUND

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

Q

| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Phenanthrene         120-12-7Anthracene         206-44-0 | 10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>1 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 |
|---|---|---|
| 50-32-8Benzo (a) pyrene   | 10  | บ<br>บ<br>บ   |
|   |   |   |

### 

# U.S. EPA - CLP

|                 |             | INORGANIC A | l<br>NALYSIS DATA SHEET | EPA SAMPLE NO. |  |
|-----------------|-------------|-------------|-------------------------|----------------|--|
| Lab Name:       | MITKEM_COR  | PORATION    | Contract:               | RPMW-12D       |  |
| Lab Code:       | MITKEM      | Case No.:   | SAS No.:                | SDG No.: A1379 |  |
| Matrix (soil/wa | .ter):      | WATER_      | Lab Sample ID:          | A1379-03D      |  |
| Level (low/med  | <b>i</b> ): | MED         | Date Received:          | 09/20/02       |  |
| % Solids:       |             |             |                         |                |  |

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

UG/L

| CAS No.    | Analyte   | Concentration | C  | Q        | М    |
|------------|-----------|---------------|----|----------|------|
| _7429-90-5 | Aluminum  |               |    |          |      |
| 7440-36-0  |           |               |    |          | NR   |
| .7440-38-2 |           |               |    |          | _NR  |
| 7440-39-3  |           |               |    |          | NR   |
| 7440-41-7  | Beryllium |               |    | <u> </u> | NR   |
| _7440-43-9 | Cadmium   |               |    | <br>     | {NR  |
| _7440-70-2 | Calcium   |               |    |          | NR   |
| 7440-47-3  | Chromium  |               |    | <u> </u> | NR   |
| _7440-48-4 |           | ~~~····       |    | ļ        | NR   |
| 7440-50-8  | Copper    |               |    |          | NR   |
| 7439-89-6  | Iron      | 1180          |    |          | P    |
| 7439-92-1  |           |               |    | <br>     | NR   |
| 7439-95-4  | Magnesium |               |    |          | NR   |
| 7439-96-5  | Manganese | 48.7          | B_ | <u> </u> | P    |
| 7439-97-6  |           |               |    |          | 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  |               |    | <u> </u> | NR   |
| 7440-62-2  | Vanadium  |               |    |          | NR   |
| _7440-66-6 | Zinc      |               |    |          | NR   |
|            | Cyanide   | 7.0           | B_ | 5        | CA   |

| Color Be | fore: |                  | Clarity Before: | <br>Texture:   | <u> </u> |
|----------|-------|------------------|-----------------|----------------|----------|
| Color Af | ter:  |                  | Clarity After:  | <br>Artifacts: |          |
| Commen   |       | ALS_FOR_SAMPLE_R | ያንጠ₩-12D        | <br>           |          |
|          |       |                  |                 | <br>           | <u> </u> |
|          |       |                  |                 | <br>           |          |

FORM I - IN

SW846

|                   |              | INORGANIC ANA | SHEET     | EPA SAMPLE NO. |                |
|-------------------|--------------|---------------|-----------|----------------|----------------|
| Lab Name:         | MITKEM_CORPO | DRATION       | Contract: |                | RPMW-12D       |
| Lab Code:         | MITKEM       | Case No.:     | SAS No.   | •              | SDG No.: A1379 |
| Matrix (soil/wate | er):         | WATER         |           | Lab Sample ID: | A 1379-03F     |
| Level (low/med)   | :            | MED           |           | Date Received: | 09/20/02       |

% Solids:

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

\_\_\_\_\_

UG/L

|    | NR<br>NR<br>NR<br>NR<br>NR<br>NR<br>NR |  |
|----|--|--|
|    | NR<br>NR<br>NR                         |  |
|    | NR<br>NR                               |  |
|    | NR                                     |  |
|    |  |  |
|    | NR                                     |  |
|    |  |  |
|    | NR                                     |  |
| U  | P                                      |  |
|    | NR                                     |  |
|    | NR                                     |  |
| B  | P                                      |  |
|    | NR                                     |  |
| İi |  |  |
|    |  |  |

Comments:

-----

DISSOLVED\_METALS\_FOR\_SAMPLE\_RPMW-12D

\_\_\_\_

FORM I - IN

\_\_\_\_\_

\_\_\_\_\_

SW846

.....

\_ \_ . . . .

-----

.....

# **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-12DLab ID:A1379-03

------

Project: Keyspan Collection Date: 09/19/02 13:35 Matrix: AQUEOUS

Date: 27-Sep-02

| Analyses                        | Result | Qual     | Limit     | Units      | DF  | Date Analyzed  |
|---------------------------------|--------|----------|-----------|------------|-----|----------------|
| NITROGEN (NITRATE) BY AUTOMATED | CD RED | U E353.2 | NO3       |            |     | · · · · ·      |
| Nitrate-N                       | 0.079  |          | 0.050     | mg/L       | 1   | 09/20/02 12:00 |
| ALKALINITY BY TITRATION METHOD  |        | SM2320   | <b>w_</b> |            |     |                |
| Alkalinity, Total (As CaCO3)    | 160    |          | 20        | mg/L CaCO3 | 1   | 09/25/02 12:00 |
| FERROUS IRON BY PHENANTHROLINE  | METHOD | SM3500   | D_FE2_V   | V          |     |                |
| Ferric Iron Dissolved           | ND     |          | 250       | mg/L       | 25  | 09/20/02 11:40 |
| Ferric Iron                     | ND     |          | 250       | mg/L       | 25  | 09/20/02 11:40 |
| FERROUS IRON BY PHENANTHROLINE  | METHOD | SM3500   | D_FE3_W   | 1          |     |                |
| Ferrous Iron – Dissolved        | ND     |          | 250       | mg/L       | 25  | 09/20/02 11:40 |
| Ferrous Iron                    | ND     |          | 250       | mg/L       | 25  | 09/20/02 11:40 |
| SULFATE BY TURBIDIMETRIC METHOD |        | SM4500   | _SO4_W    |            |     |                |
| Sulfate                         | 1700   |          | 700       | mg/L       | 100 | 09/23/02 13:41 |

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

- E Value above quantitation range
- Limit Reporting Limit

1330-20-7-----Xylene (Total)

EPA SAMPLE NO.

1 0

RPMW-12D2 Lab Name: MITKEM CORPORATION Contract: SAS No.: Lab Code: MITKEM Case No.: SDG No.: A1379 Matrix: (soil/water) WATER Lab Sample ID: A1379-04A 5.000 (g/mL) ML Lab File ID: Sample wt/vol: V3A6587 Level: (low/med) Date Received: 09/20/02 LOW \* Moisture: not dec. Date Analyzed: 09/29/02 GC Column: RTX-502.2 ID: 0.53 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 71-43-2----Benzene 1 U 1 υ 108-88-3-----Toluene 100-41-4----Ethylbenzene 1 0

### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-12D2 Contract: Lab Name: MITKEM CORPORATION SDG No.: A1379 SAS No.: Lab Code: MITKEM Case No.: Lab Sample ID: A1379-04H Matrix: (soil/water) WATER Lab File ID: S1D1085 1000 (q/mL) ML Sample wt/vol: Date Received: 09/20/02 Level: (low/med) LOW Date Extracted:09/23/02 decanted: (Y/N) % Moisture: Date Analyzed: 09/25/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COM

COMPOUND

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

Q

|                                |    | 1 1 |
|--------------------------------|----|-----|
| 91-20-3Naphthalene             | 1  | J   |
| 91-57-62-Methylnaphthalene     | 10 | ប ្ |
| 208-96-8Acenaphthylene         | 10 | 1 1 |
| 83-32-9Acenaphthene            | 10 | -   |
| 132-64-9Dibenzofuran           | 10 | U   |
| 86-73-7Fluorene                | 10 | U   |
| 85-01-8Phenanthrene            | 1  | J   |
| 120-12-7Anthracene             | 10 | U   |
| 206-44-0Fluoranthene           | 10 | - I |
| 129-00-0Pyrene                 | 10 | U   |
| 56-55-3Benzo (a) anthracene    | 10 | U   |
| 218-01-9Chrysene               | 10 | U   |
| 205-99-2Benzo (b) fluoranthene | 10 | -   |
| 207-08-9Benzo(k)fluoranthene   | 10 | - 1 |
| 50-32-8Benzo (a) pyrene        | 10 | U   |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10 | U   |
| 53-70-3Dibenzo(a,h)anthracene  | 10 | U   |
| 191-24-2Benzo(g,h,i)perylene   | 10 | U   |
|                                |    |     |

FORM I SV-1

|                  |             | l<br>INORGANIC ANALYSIS DATA SHEET |  | EPA SAMPLE NO. |                |          |       |
|------------------|-------------|------------------------------------|--|----------------|----------------|----------|-------|
| Lab Name:        | MITKEM_CORP | ORATION                            |  | Contract:      |                | RPMW-1   | 2 D2  |
| Lab Code:        | MITKEM      | Case No.:                          |  | SAS No.:       |                | SDG No.: | A1379 |
| Matrix (soil/wat | ter):       | WATER_                             |  | L              | ab Sample ID:  | A1379-(  | 4D    |
| Level (low/med)  | ):          | MED                                |  | E              | Date Received: | 09/20/02 | 2     |
|                  |             |                                    |  |                |                |          |       |

% Solids:

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

-----

UG/L

| C            | AS No.  | Analyte   | Concentration   | C  | Q                                     | М   |            |
|--------------|---------|-----------|-----------------|----|---------------------------------------|-----|------------|
| _742         | 29-90-5 | Aluminum  |                 |    |                                       | NR  |            |
| _744         | 10-36-0 | Antimony  |                 |    |                                       | NR  |            |
| 744          | 10-38-2 | Arsenic   |                 |    |                                       | NR  |            |
| 744          | 10-39-3 | Barium    |                 |    |                                       | NR  |            |
| _744         | 0-41-7  | Beryllium |                 |    |                                       | NR  |            |
| _744         | 10-43-9 | Cadmium   |                 |    |                                       | NR  |            |
| _744         | 0-70-2  | Calcium   |                 |    | · · · · · · · · · · · · · · · · · · · | NR  |            |
| 744          | 0-47-3  | Chromium  |                 |    | . <u> </u>                            | NR  |            |
| _744         | 10-48-4 | Cobalt    |                 |    |                                       | NR  |            |
| _744         | 10-50-8 | Copper    |                 |    |                                       | NR  |            |
| _743         | 9-89-6  | Iron      |                 |    |                                       | P   |            |
| _743         | 9-92-1  | Lead      |                 |    | ·                                     | NR  |            |
| _743         | 9-95-4  | Magnesium |                 |    |                                       | NR  |            |
| _743         | 9-96-5  | Manganese | 139             |    |                                       | P   |            |
| _743         | 9-97-6  | Mercury   |                 |    |                                       | NR  |            |
| _744         | 0-02-0  | Nickel    |                 |    |                                       | NR  |            |
| _744         | 0-09-7  | Potassium |                 |    |                                       | NR  |            |
| _778         | 2-49-2  | Selenium  |                 |    |                                       |     |            |
| 744          | 0-22-4  | Silver    |                 |    |                                       | NR  |            |
| _744         | 0-23-5  | Sodium    |                 |    |                                       |     |            |
| _744         | 0-28-0  | Thallium  |                 |    |                                       | NR  |            |
| _744         | 0-62-2  | Vanadium  |                 |    |                                       | _NR |            |
| _744         | 0-66-6  | Zinc      |                 |    |                                       | NR  |            |
|              |         | Cyaniđe   |                 | B_ | J                                     | CA  |            |
| Ĺ            |         | l.        |                 |    |                                       |     |            |
| olor Before: | ·       | (         | Clarity Before: | _  |                                       |     | Texture:   |
| olor After:  |         |           | Clarity After:  |    |                                       |     | Artifacts: |

Comments:

TOTAL\_METALS\_FOR\_SAMPLE\_RPMW-12\_D2\_\_\_\_\_

----------

FORM I - IN

SW846

- ----

-----

\_\_\_\_\_

-----

|                 |             | INORC                                  | GANIC ANA | 1<br>ALYSIS DATA | SHEET          | EPA SAN  | APLE NO. |
|-----------------|-------------|--|-----------|------------------|----------------|----------|----------|
| Lab Name:       | MITKEM_CO   | RPORATION                              |           | Contract:        |                | RPMW-1   | 2 D2     |
| Lab Code:       | MITKEM      | Case No.:                              |           | SAS No           | ).:            | SDG No.: | A1379    |
| Matrix (soil/wa | iter):      | WATER                                  |           |                  | Lab Sample ID: | A1379-(  | )4F      |
| Level (low/med  | <b>1</b> ): | MED                                    |           |                  | Date Received: | 09/20/02 | )<br>    |
| % Solids:       |             | ······································ |           |                  |                |          |          |

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

UG/L

| CAS No.   | Analyte   | Concentration | C | Q | М          |
|-----------|-----------|---------------|---|---|------------|
| 429-90-5  | Aluminum  |               |   |   | NR         |
| 440-36-0, | Antimony  |               |   |   | NR         |
| 440-38-2  | Arsenic   |               |   |   | NR         |
| 440-39-3  |           |               |   |   | NR         |
| 440-41-7  | Beryllium |               |   |   | NR         |
| 440-43-9  |           |               |   |   | NR         |
| 440-70-2  | Calcium   |               |   |   | NR         |
| 440-47-3  | Chromium  |               |   |   | NR         |
| 440-48-4  | Cobalt    |               |   |   | NR         |
| 440-50-8  | Copper    |               |   |   | NR         |
| 439-89-6  | Iron      | 195           | B |   | P          |
| 439-92-1  | Lead      |               |   |   | _NR        |
| 439-95-4  | Magnesium |               |   |   | NR         |
| 439-96-5  | Manganese | 142           |   |   | P          |
| 439-97-6  |           |               |   |   | NR         |
| 440-02-0  | Nickel    |               |   |   | NR         |
| 440-09-7  | Potassium |               |   |   | _NR        |
| 782-49-2  | Selenium  |               |   |   | _ NR       |
| 440-22-4  | Silver    |               |   |   | _NR        |
| 440-23-5  |           | ····          |   |   | NR         |
| 440-28-0  | Thallium  |               |   |   | _ NR       |
| 440-62-2  | Vanadium  |               |   |   | NR         |
| 440-66-6  | Zinc      |               |   |   | NR         |
|           |           |               |   |   | _NR        |
|           |           | . İ           |   |   | _ <u>i</u> |

| Color Before:          | ÷                | Clarity Before: |   | Texture:   |   |
|------------------------|------------------|-----------------|---|------------|---|
| Color After:           |                  | Clarity After:  | L | Artifacts: |   |
| Comments:<br>DISSOLVED | _METALS_FOR_SAMP | LE_RPMW-12_D2   |   |            | · |

SW846

# **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-12 D2Lab ID:A1379-04

Project: Keyspan Collection Date: 09/19/02 15:57 Matrix: AQUEOUS

| Analyses                        | Result  | Qual       | Limit  | Units      | DF  | Date Analyzed  |
|---------------------------------|---------|------------|--------|------------|-----|----------------|
| NITROGEN (NITRATE) BY AUTOMATED | CD REDI | J E353.2_I | 103    |            |     |                |
| Nitrate-N                       | ND      |            | 0.050  | mg/L       | 1   | 09/20/02 12:00 |
| ALKALINITY BY TITRATION METHOD  |         | SM2320_    | w      |            |     |                |
| Alkalinity, Total (As CaCO3)    | 340     |            | 20     | mg/L CaCO3 | 1   | 09/25/02 12:00 |
| FERROUS IRON BY PHENANTHROLINE  | METHOD  | SM35000    | _FE2_W | 1          |     |                |
| Ferric Iron Dissolved           | ND      |            | 250    | mg/L       | 25  | 09/20/02 11:40 |
| Ferric fron                     | ND      |            | 250    | mg/L       | 25  | 09/20/02 11:40 |
| FERROUS IRON BY PHENANTHROLINE  | METHOD  | SM35000    | _FE3_W | 1          |     |                |
| Ferrous Iron Dissolved          | ND      |            | 250    | mg/L       | 25  | 09/20/02 11:40 |
| Ferrous Iron                    | ND      |            | 250    | mg/L       | 25  | 09/20/02 11:40 |
| SULFATE BY TURBIDIMETRIC METHOD |         | SM4500_    | SO4_W  |            |     |                |
| Sulfate                         | 2300    |            | 700    | mg/L       | 100 | 09/23/02 13:41 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

۱

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Limit - Reporting Limit

433

EPA SAMPLE NO.

1000 E

2600 E

| VOLATILE ORGANICS A | NALYSIS D | ata sheet |
|---------------------|-----------|-----------|
|---------------------|-----------|-----------|

100-41-4----Ethylbenzene

1330-20-7-----Xylene (Total)

RPMW-13S Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1369 Matrix: (soil/water) WATER Lab Sample ID: A1369-03A 5.000 (g/mL) ML Lab File ID: Sample wt/vol: V3A6486 Level: (low/med) Date Received: 09/19/02 LOW % Moisture: not dec. Date Analyzed: 09/25/02 Dilution Factor: 1.0 GC Column: RTX-502.2 ID: 0.53 (mm) Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L CAS NO. COMPOUND Q 13 71-43-2----Benzene 108-88-3----Toluene 41

EPA SAMPLE NO.

|          | -        |          |      |       |
|----------|----------|----------|------|-------|
| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |

| Lab Name: MITKEM CORPORATION   | Contract:                                      |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1369                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1369-03ADL                     |
| Sample wt/vol: 5.000 (g/mL)  | ML Lab File ID: V3A6490                        |
| Level: (low/med) LOW   | Date Received: 09/19/02                        |
| * Moisture: not dec  | Date Analyzed: 09/25/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm  | Dilution Factor: 20.0                          |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzer<br>1330-20-7Xylene (Tot |  |

.

••

.

000071

### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1

|                        |                      |           |                | RPMW-13S   |
|------------------------|----------------------|-----------|----------------|------------|
| Lab Name: MITKEM COR   | PORATION             | Contract: |                |            |
| Lab Code: MITKEM       | Case No.:            | SAS No.:  | SDG            | No.: A1369 |
| Matrix: (soil/water)   | WATER                |           | Lab Sample ID: | A1369-03C  |
| Sample wt/vol:         | 1000 (g/mL) ML       |           | Lab File ID:   | S1D1190    |
| Level: (low/med)       | LOW                  |           | Date Received: | 09/19/02   |
| <pre>% Moisture:</pre> | decanted: $(Y/N)_{}$ |           | Date Extracted | :09/19/02  |
| Concentrated Extract   | Volume: 1000(        | uL)       | Date Analyzed: | 10/01/02   |
| Injection Volume:      | 1.0(uL)              |           | Dilution Facto | r: 30.0    |
| GPC Cleanup: (Y/N)     | N pH:                |           |                |            |

CAS NO.

COMPOUND

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

Q

- 1

| 91-20-3Naphthalene                 | 3100 |          |
|------------------------------------|------|----------|
| 91-57-62-Methylnaphthalene         | 360  |          |
| 208-96-8Acenaphthylene             | 300  | <u> </u> |
| 83-32-9Acenaphthene                | 96   | J        |
| 132-64-9Dibenzofuran               | 300  | U        |
| 86-73-7Fluorene                    | 51   | J        |
| 85-01-8Phenanthrene                | 65   | J        |
| 120-12-7Anthracene                 | 300  | U        |
| 206-44-0Fluoranthene               | 300  | U        |
| 129-00-0Pyrene                     | 300  | U        |
| 56-55-3Benzo (a) anthracene        | 300  | U        |
| 218-01-9Chrysene                   | 300  | ប        |
| 205-99-2Benzo (b) fluoranthene     | 300  | U        |
| 207-08-9Benzo(k)fluoranthene       | 300  | U        |
| 50-32-8Benzo (a) pyrene            | 300  | U        |
| 193-39-5Indeno (1, 2, 3-cd) pyrene | 300  | U        |
| 53-70-3Dibenzo (a, h) anthracene   | 300  | U        |
| 191-24-2Benzo(g,h,i)perylene       | 300  | U        |
|                                    |      |          |
|                                    |      |          |

| 1                           |    |
|-----------------------------|----|
| INORGANIC ANALYSIS DATA SHE | EΤ |

EPA SAMPLE NO.

-|

| Lab Name:        | MITKEM_CORPO | DRATION   | <br>Contract: |                | RPMW-1   | 35    |
|------------------|--------------|-----------|---------------|----------------|----------|-------|
| Lab Code:        | MITKEM       | Case No.: | <br>SAS No.   | :              | SDG No.: | A1369 |
| Matrix (soil/wat | ल):          | WATER_    |               | Lab Sample ID: | A1369-0  | 3B    |
| Level (low/med)  | ):           | MED       |               | Date Received: | 09/19/02 |       |
|                  |              |           |               |                |          |       |

% Solids:

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

UG/L

| CAS No.   | Analyte   | Concentration | C | Q            | M    |
|-----------|-----------|---------------|---|--------------|------|
| 7429-90-5 | Aluminum  |               |   |              |      |
| 7440-36-0 | Antimony  |               |   |              | NR   |
| 7440-38-2 | Arsenic   |               |   |              | NR   |
| 7440-39-3 | Barium    |               |   |              | NR   |
| 7440-41-7 | Beryllium |               |   | ·            | NR   |
| 7440-43-9 | Cadmium   |               |   | <del>.</del> | 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 | 1         |               |   |              | 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   |
|           | Cyanide   |               |   |              | CA   |

| Color Befo | ore:       |             | Clarity Before: | <br>Texture:   |          |
|------------|------------|-------------|-----------------|----------------|----------|
| Color Afte | <b>T</b> : | <del></del> | Clarity After:  | <br>Artifacts: |          |
| Comments   | :          |             |                 |                |          |
|            |            |             |                 | <br>           |          |
|            |            |             |                 | <br>           |          |
|            |            |             |                 | <br>           | · · ···· |

FORM I - IN

SW846

,

# 000395

VOLATILE ORGANICS ANALYSIS DATA SHEET

|  |  | RPMW-13I        |       |
|--|--|-----------------|-------|
| Lab Name: MITKEM CORPORATION   | Contract:                                    |                 | _     |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG                                 | No.: A1369      |       |
| Matrix: (soil/water) WATER   | Lab Sample ID:                               | A1369-04A       |       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID:                                 | V3A6503         |       |
| Level: (low/med) LOW   | Date Received:                               | 09/19/02        |       |
| % Moisture: not dec.   | Date Analyzed:                               | 09/26/02        |       |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Facto                               | or: 1.0         |       |
| Soil Extract Volume:(uL)   | Soil Aliquot V                               | olume:          | _(uL) |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/I |                 |       |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) |  | 1 U<br>1 U<br>4 |       |

.

\_\_\_ .

000065

### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

\_\_\_\_

RPMW-13I Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1369 Lab Sample ID: A1369-04C Matrix: (soil/water) WATER Lab File ID: Sample wt/vol: 1000 (g/mL) ML S1D1188 Date Received: 09/19/02 Level: (low/med) LOW % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:09/19/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 10/01/02 Dilution Factor: 2.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO. COMPOUND

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

Q

|                                |     | - |
|--------------------------------|-----|---|
| 91-20-3Naphthalene             | 270 |   |
| 91-57-62-Methylnaphthalene     | 2   | J |
| 208-96-8Acenaphthylene         | 3   | J |
| 83-32-9Acenaphthene            | 88  |   |
| 132-64-9Dibenzofuran           | 6   | J |
| 86-73-7Fluorene                | 46  |   |
| 85-01-8Phenanthrene            | 89  |   |
| 120-12-7Anthracene             | 9   | J |
| 120-12-/Alleliacene            | 10  | J |
| 206-44-0Fluoranthene           | 11  | J |
| 129-00-0Pyrene                 | 20  | - |
| 56-55-3Benzo(a)anthracene      | 20  |   |
| 218-01-9Chrysene               | 20  |   |
| 205-99-2Benzo(b)fluoranthene   | 20  | _ |
| 207-08-9Benzo(k)fluoranthene   | 20  | - |
| 50-32-8Benzo (a) pyrene        | -   | U |
| 193-39-5Indeno(1,2,3-cd)pyrene | 20  | - |
| 53-70-3Dibenzo(a,h)anthracene  |     |   |
| 191-24-2Benzo(g,h,i)perylene   | 20  | U |
|                                | l   |   |

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

|                  |             | INOR      | UANIC ANA | LISISDAIA | SHL   |           |          |       |
|------------------|-------------|-----------|-----------|-----------|-------|-----------|----------|-------|
| Lab Name:        | MITKEM_CORP | ORATION   |           | Contract: |       |           | RPMW-    | ·13I  |
| Lab Code:        | MITKEM      | Case No.: | <u></u>   | SAS No.   | .:    |           | SDG No.: | A1369 |
| Matrix (soil/wat | ter):       | WATER_    |           |           | Lab S | ample ID: | A1369-0  | 4B    |
| Level (low/med   | ):          | MED       |           |           | Date  | Received: | 09/19/02 |       |
|                  |             |           |           |           |       |           |          |       |

% Solids:

----

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

UG/L

\_\_\_\_\_

| CAS No.    | Analyte   | Concentration | C | Q        | м    |
|------------|-----------|---------------|---|----------|------|
| 7429-90-5  | Aluminum  |               |   |          | NR   |
| _7440-36-0 | Antimony  |               |   |          | NF   |
| _7440-38-2 | Arsenic   |               |   |          | NR   |
| 7440-39-3  | Barium    |               |   |          | NR   |
| _7440-41-7 | Beryllium |               |   | <u> </u> | NR   |
| _7440-43-9 | Cadmium   |               |   |          | NR   |
| _7440-70-2 | Calcium   |               |   |          | NR   |
| 7440-47-3  | Chromium  |               |   |          | NR   |
| _7440-48-4 | Cobalt    |               |   |          | NR   |
| _7440-50-8 | Соррет    |               |   |          | NR   |
| _7439-89-6 | Iron      |               |   |          | NR   |
| 7439-92-1  | Lead      | ······        |   |          | NR   |
| _7439-95-4 | Magnesium |               |   |          | NR   |
| _7439-96-5 | 1 -       |               |   |          | 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   |
|            | Cyanide   | 8.2           | B |          | _ CA |

| Color Be | fore: | <br>Clarity Before: |         | Texture:   |              |
|----------|-------|---------------------|---------|------------|--------------|
| Color Af | ter:  | <br>Clarity After:  |         | Artifacts: |              |
| Commen   | ts:   |                     |         |            |              |
|          |       | <br>                |         | - Ju       | <del>_</del> |
|          |       | <br>                | <u></u> |            |              |
|          |       | <br>                |         |            |              |

SW846

000**394** 

-- -

÷ • .

ľ

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: MITKEM CORPORATION   | Contract:                                      |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1369                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1369-05A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6491                           |
| Level: (low/med) LOW   | Date Received: 09/19/02                        |
| * Moisture: not dec.   | Date Analyzed: 09/25/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 3<br>4<br>6<br>29                              |

.

.

### 1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

RPMW-13D

| Lab Name: MITKEM COR   | PORATION Contrac | t:                       |
|------------------------|------------------|--------------------------|
|                        | Case No.: SAS No | SDG No.: A1369           |
| Lab Code: MITKEM       | Case NO.: 5HB NO | •••                      |
| Matrix: (soil/water)   | WATER            | Lab Sample ID: A1369-05C |
| Sample wt/vol:         | 1000 (g/mL) ML   | Lab File ID: S1D1156     |
| Level: (low/med)       | LOW              | Date Received: 09/19/02  |
| <pre>% Moisture:</pre> | decanted: (Y/N)  | Date Extracted:09/19/02  |
| Concentrated Extract   | Volume: 1000(uL) | Date Analyzed: 09/28/02  |
| Injection Volume:      | 1.0(uL)          | Dilution Factor: 4.0     |
| GPC Cleanup: (Y/N)     | N pH:            |                          |
|                        | ഹസ്              |                          |

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

Q

| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Phenanthrene         120-12-7Anthracene         206-44-0Fluoranthene         129-00-0Pyrene         56-55-3Benzo (a) anthracene         218-01-9Benzo (b) fluoranthene         207-08-9Benzo (k) fluoranthene         50-32-8Benzo (a) pyrene | 620<br>70<br>120<br>16<br>6<br>19<br>77<br>11<br>7<br>7<br>40<br>40<br>40<br>40<br>40 | ม<br>ม<br>ม<br>ม<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ |
|--|---|--|
| 207-08-9Benzo(k)fluoranthene   | 40<br>40  | ប<br>ប<br>ប<br>ប   |

FORM I SV-1

| l                  |            |
|--------------------|------------|
| INORGANIC ANALYSIS | DATA SHEET |
|                    | B          |
|                    |            |
|                    |            |

RPMW-13D Lab Name: MITKEM CORPORATION Contract: Lab Code: Case No.: SAS No.: SDG No.: A1369\_\_\_\_ MITKEM ...... Lab Sample ID: A1369-05B\_\_\_\_\_ Matrix (soil/water): WATER\_ Level (low/med): Date Received: 09/19/02\_\_\_\_ MED\_\_\_\_

% Solids:

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

С Q Μ CAS No. Analyte Concentration NR 7429-90-5 Aluminum\_ 7440-36-0\_ Antimony\_ NR NR \_7440-38-2\_ Arsenic\_ \_7440-39-3\_ Barium\_ NR NR Beryllium\_ 7440-41-7 NR 7440-43-9 Cadmium\_ NR 7440-70-2 Calcium NR 7440-47-3 Chromium\_ 7440-48-4 Cobalt\_ NR 7440-50-8 NR 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\_ 7440-09-7 NR Potassium\_ NR Selenium\_ 7782-49-2 NR 7440-22-4 Silver\_ NR 7440-23-5 Sodium\_ NR 7440-28-0 Thallium\_ Vanadium\_ NR \_7440-62-2\_ 7440-66-6\_ Zinc\_ NR U\_ CA. \_5.0\_ Cyanide\_

| Color Before: |        | Clarity Before: |          | Texture:   |  |
|---------------|--------|-----------------|----------|------------|--|
| Color After:  | ·      | Clarity After:  | <u> </u> | Artifacts: |  |
| Comments:     |        |                 |          |            |  |
|               | ······ |                 |          |            |  |
| ••••••        |        |                 |          |            |  |
| <u> </u>      |        |                 |          |            |  |

FORM I - IN

SW846

000**392** 

UG/L

EPA SAMPLE NO.

74 27 370 E

| 1A<br>VOLATILE ORGANICS ANALYSIS DA | EPA SAMPLE NO.<br>TA SHEET                   |
|-------------------------------------|--|
| Lab Name: MITKEM CORPORATION Cont:  | RPMW-13D2                                    |
| Lab Code: MITKEM Case No.: SAS      | No.: SDG No.: A1369                          |
| Matrix: (soil/water) WATER          | Lab Sample ID: A1369-06A                     |
| Sample wt/vol: 5.000 (g/mL) ML      | Lab File ID: V3A6492                         |
| Level: (low/med) LOW                | Date Received: 09/19/02                      |
| * Moisture: not dec.                | Date Analyzed: 09/25/02                      |
| GC Column: RTX-502.2 ID: 0.53 (mm)  | Dilution Factor: 1.0                         |
| Soil Extract Volume:(uL)            | Soil Aliquot Volume:(uL)                     |
|                                     | ONCENTRATION UNITS:<br>ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene                      | 56   |

108-88-3----Toluene 100-41-4----Ethylbenzene 1330-20-7----Xylene (Total)

. .

.

0000**59** 

EPA SAMPLE NO.

|         |  |                 |              | · —        |                       |                   |      |
|---------|--|-----------------|--------------|------------|-----------------------|-------------------|------|
| Lab Nar | ne: MITKEM COR                               | PORATION        | Contract:    |            | RPM                   | V-13D2DI          |      |
| Lab Coo | le: MITKEM                                   | Case No.:       | SAS No.:     | SDG N      | lo.: ]                | <del>\</del> 1369 |      |
| Matrix  | : (soil/water)                               | WATER           | Lab S        | ample ID:  | A1369                 | 9-06ADL           |      |
| Sample  | wt/vol:                                      | 5.000 (g/mL) ML | Lab F.       | ile ID:    | V3A65                 | 511               |      |
| Level:  | (low/med)                                    | LOW             | Date         | Received:  | 09/19                 | 9/02              |      |
| % Moist | ture: not dec.                               |                 | Date 2       | Analyzed:  | 09/26                 | 5/02              |      |
| GC Colu | umn: RTX-502.2                               | ID: 0.53 (mm)   | Dilut        | ion Factor | : 4.0                 | )                 |      |
| Soil E  | tract Volume:                                | (uL)            | Soil         | Aliquot Vo | lume:                 |                   | (uL) |
|         | CAS NO.                                      | COMPOUND        | CONCENTRATIO |            |                       | Q                 |      |
|         | 71-43-2<br>108-88-3<br>100-41-4<br>1330-20-7 |                 |              |            | 42<br>48<br>16<br>220 | D<br>D            |      |

.

**.** .

- -----

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-13D2 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1369 Matrix: (soil/water) WATER Lab Sample ID: A1369-06C Sample wt/vol: 1000 (q/mL) ML Lab File ID: S1D1005 Level: (low/med) LOW Date Received: 09/19/02 % Moisture: decanted: (Y/N) Date Extracted:09/19/02 1000 (uL) Concentrated Extract Volume: Date Analyzed: 09/21/02 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_ CONCENTRATION UNITS:

CAS NO.

. . . . . . .

COMPOUND

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

Q

| 91-20-3Naphthalene               | 1400                                    | R        |
|----------------------------------|---|----------|
| 91-57-62-Methylnaphthalene       | 380                                     |          |
| 208-96-8Acenaphthylene           | 180                                     | _        |
| 83-32-9Acenaphthene              | 13                                      | ~~~      |
| 132-64-9Dibenzofuran             | 1                                       | <u> </u> |
| 86-73-7Fluorene                  | 36                                      |          |
| 85-01-8Phenanthrene              | 57                                      |          |
| 120-12-7Anthracene               |   |          |
| 206-44-0Fluoranthene             |   | J        |
| 129-00-0Pyrene                   |   | J        |
| 56-55-3Benzo (a) anthracene      | [ · · · · · · · · · · · · · · · · · · · | υ<br>Π   |
| 218-01-9Chrysene                 | 10                                      | •        |
| 205-99-2Benzo (b) fluoranthene   | 10                                      | -        |
| 207-08-9Benzo(k) fluoranthene    | 10                                      | -        |
| 50-32-8Benzo (a) pyrene          | 10                                      | -        |
| 193-39-5Indeno(1,2,3-cd)pyrene   |   | -        |
| 53-70-3Dibenzo(a,h)anthracene    | 10 1                                    | -        |
| 191-24-2Benzo(q,h,i)perylene     |   | 0<br>U   |
| T)T 24-2 DEHTO (A'H'T) ber Arene |   |          |
|                                  | ··                                      |          |

#### FORM I SV-1

#### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-13D2DL

| Lab Name: MITKEM CORPORATION            | Contract:                    |
|---|------------------------------|
| Lad Name: MITREM CORFORATION            |                              |
| Lab Code: MITKEM Case No.:              | SAS NO.: SDG NO.: A1369      |
| Matrix: (soil/water) WATER              | Lab Sample ID: A1369-06CDL   |
| Sample wt/vol: 1000 (g/mL) ML           | Lab File ID: S1D1189         |
| Level: (low/med) LOW                    | Date Received: 09/19/02      |
| <pre>% Moisture: decanted: (Y/N)_</pre> | Date Extracted:09/19/02      |
| Concentrated Extract Volume: 1000       | (uL) Date Analyzed: 10/01/02 |
| Injection Volume: 1.0(uL)               | Dilution Factor: 50.0        |
| GPC Cleanup: (Y/N) N pH:                | -                            |
|   | CONCENTRATION UNITS:         |

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Phenanthrene         120-12-7Anthracene         206-44-0Fluoranthene         129-00-0 |   |   |
|--|---|---|
| 86-73-7Fluorene  | 3-Methylnaphthalene340<br>240<br>240<br>2500  | DJ<br>DJ<br>U   |
| 193-39-5Indeno(1,2,3-cd)pyrene<br>53-70-3Dibenzo(a,h)anthracene  | Phenanthrene       61        Phenanthrene       500        Fluoranthene       500        Pyrene       500        Pyrene       500        Benzo (a) anthracene       500        Benzo (b) fluoranthene       500        Benzo (b) fluoranthene       500        Benzo (k) fluoranthene       500        Benzo (a) pyrene       500        Benzo (a) pyrene       500 | DJ<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U |

\_ \_.

|                 |           | INORGANIC A | 1<br>INORGANIC ANALYSIS DATA SHEET |                |  |
|-----------------|-----------|-------------|------------------------------------|----------------|--|
| Lab Name:       | MITKEM_CO | RPORATION   | Contract:                          | RPMW-13D2      |  |
| Lab Code:       | MITKEM    | Case No.:   | SAS No.:                           | SDG No.: A1369 |  |
| Matrix (soil/wa | ater):    | WATER_      | Lab Sample ID:                     | A1369-06B      |  |
| Level (low/me   | d):       | MED         | Date Received:                     | 09/19/02       |  |
|                 |           |             |                                    |                |  |

% Solids:

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

\_\_\_\_

UG/L

| CAS No.    | Analyte   | Concentration | С   | Q        | м    |
|------------|-----------|---------------|-----|----------|------|
| 7429-90-5  | Aluminum  |               |     |          |      |
| _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      |               |     | <u> </u> | NR   |
| _7439-95-4 | Magnesium |               |     |          | _ NR |
| _7439-96-5 | Manganese |               |     | ·        | NR   |
| _7439-97-6 | Mercury   |               |     |          | NR   |
| _7440-02-0 |           |               | 4 1 |          | NR   |
| _7440-09-7 | Potassium |               |     |          | NR   |
| _7782-49-2 | Selenium  |               |     |          | NR   |
| _7440-22-4 | Silver    |               |     |          | NR   |
|            | Sodium    |               |     |          | NR   |
| _7440-28-0 | Thallium  |               |     |          | NR   |
| 7440-62-2  | Vanadium  |               |     | <u> </u> | NR   |
| _7440-66-6 | Zinc      |               |     |          | NR   |
|            | Cyanide   | 8.8           | B   | <u> </u> | CA   |

| Color Befo | ore: | <br>Clarity Before: | <br>Texture:                                     |        |
|------------|------|---------------------|--|--------|
| Color Afte | r:   | <br>Clarity After:  | <br>Artifacts:                                   |        |
| Comments   | :    |                     | <br>   |        |
|            |      | <br>                | <br><u>.                                    </u> |        |
|            |      | <br>                | <br>   |        |
| -          |      | <br>                | <br>   | ······ |

FORM 1 - IN

SW846

#### 1A

EPA SAMPLE NO.

| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |
|----------|----------|----------|------|-------|
|          |          |          |      |       |

|                                 |                 |   | · · · · · · · · · · · · · · · · · · · |        | <u> </u> |
|---------------------------------|-----------------|---|---------------------------------------|--------|----------|
| Lab Name: MITKEM COR            | PORATION        | Contract:                                   | RPI                                   | MW-145 |          |
| Lab Code: MITKEM                | Case No.:       | SAS No.: SDG                                | No.: 2                                | A1369  |          |
| Matrix: (soil/water)            | WATER           | Lab Sample ID                               | : A136                                | 9-07A  |          |
| Sample wt/vol:                  | 5.000 (g/mL) ML | Lab File ID:                                | <b>V3A6</b> (                         | 512    |          |
| Level: (low/med)                | LOW             | Date Received                               | : 09/1                                | 9/02   |          |
| <pre>% Moisture: not dec.</pre> |                 | Date Analyzed                               | : 09/30                               | 0/02   |          |
| GC Column: RTX-502.2            | ID: 0.53 (mm)   | Dilution Facto                              | or: 10                                | . 0    |          |
| Soil Extract Volume:            | (വപ)            | Soil Aliquot                                | Volume                                | :      | (uL)     |
| CAS NO.                         | COMPOUND        | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/1 |                                       | Q      |          |
|                                 |                 |   | 410<br>26<br>960<br>440               |        |          |

.

• •

\_

#### EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

1B

RPMW-14S

Lab Name: MITKEM CORPORATION Contract: SDG No.: A1369 Case No.: SAS No.: Lab Code: MITKEM Lab Sample ID: A1369-07C Matrix: (soil/water) WATER S1D1192 Lab File ID: 1000 (g/mL) ML Sample wt/vol: Date Received: 09/19/02 Level: (low/med) LOW Date Extracted:09/19/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 10/01/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_ CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Phenanthrene         120-12-7Anthracene         206-44-0Fluoranthene         129-00-0Pyrene         56-55-3Benzo (a) anthracene         218-01-9Chrysene | 140<br>10<br>3<br>10<br>2<br>3<br>10<br>10<br>10<br>10 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      |
|---|--|--|
| 86-73-7Fluorene<br>85-01-8Phenanthrene<br>120-12-7Anthracene<br>206-44-0Fluoranthene<br>129-00-0Pyrene  | 3<br>10<br>10<br>10<br>10<br>10<br>10                  | J<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U<br>U |

|                 |             | I<br>INORGANIC ANALYSIS DATA SHEET |  |           | EPA SAMPLE NO. |          |       |  |
|-----------------|-------------|------------------------------------|--|-----------|----------------|----------|-------|--|
| Lab Name:       | MITKEM_CORP | ORATION                            |  | Contract: | <u></u>        | RPMW     | -14S  |  |
| Lab Code:       | MITKEM      | Case No.:                          |  | SAS No.   | :              | SDG No.: | A1369 |  |
| Matrix (soil/wa | ter):       | WATER_                             |  |           | Lab Sample ID: | A1369-   | 07B   |  |
| Level (low/med  | l):         | MED                                |  |           | Date Received: | 09/19/02 | 2     |  |
|                 |             |                                    |  |           |                |          |       |  |

% Solids:

......

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

UG/L

|          | CAS No.    | Analyte   | Concentration   | C              | Q           | M   |        |
|----------|------------|-----------|-----------------|----------------|-------------|-----|--------|
| I        | _7429-90-5 | Aluminum  |                 |                |             | NR  |        |
|          | _7440-36-0 | Antimony  |                 | .              | <del></del> | 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    | <b></b>         |                |             | NR  |        |
|          | 7440-50-8  | Copper    |                 |                |             | NR  |        |
|          | _7439-89-6 | Iron      |                 |                |             | _NR |        |
| i        | _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    |                 |                |             |     |        |
|          | 7440-23-5  | Sodium    |                 |                |             | NR  |        |
|          | 7440-28-0  |           |                 |                |             | NR  |        |
|          | _7440-62-2 | Vanadium  |                 |                |             | NR  |        |
|          |            | Zinc      |                 |                |             | NR  |        |
|          |            | Cyanide   | 161             |                |             |     |        |
|          |            |           |                 | l              |             |     |        |
| Before:  |            |           | Clarity Before: | <b>6.76</b> *= |             |     | Textu  |
| r After: |            |           | Clarity After:  |                |             |     | Artifa |

Comments:

FORM I - IN

SW846

-----

#### 1A

EPA SAMPLE NO.

| VOLATILE O | RGANICS | ANALYSIS | DA TA | SHEET |
|------------|---------|----------|-------|-------|
|            |         |          |       |       |

|                      |  |                                |         | RP               | MW-14I           |      |
|----------------------|--|--------------------------------|---------|------------------|------------------|------|
| Lab Name: MITKEM C   | ORPORATION   | Contract:                      | l.      |                  |                  |      |
| Lab Code: MITKEM     | Case No.:  | SAS No.:                       | SDG (   | No.: 2           | A1369            |      |
| Matrix: (soil/wate   | r) WATER   | Lab Sam                        | ple ID: | A136             | 9-08A            |      |
| Sample wt/vol:       | 5.000 (g/mL) ML                                      | Lab Fil                        | e D:    | <b>V3A6</b> !    | 504              |      |
| Level: (low/med)     | LOW  | Date Re                        | ceived: | 09/19            | 9/02             |      |
| * Moisture: not de   | c  | Date An                        | alyzed: | 09/20            | 5/02             |      |
| GC Column: RTX-502   | .2 ID: 0.53 (mm)                                     | Dilutio                        | n Facto | r: 1.(           | כ                |      |
| Soil Extract Volum   | e:(uL)   | Soil Al                        | iquot V | olume            | •                | (uL) |
| CAS NO.              | COMPOUND   | CONCENTRATION<br>(ug/L or ug/K |         |                  | Q                |      |
| 108-88-3<br>100-41-4 | Benzene<br>Toluene<br>Ethylbenzene<br>Xylene (Total) |                                |         | 1<br>1<br>1<br>1 | บ<br>บ<br>บ<br>บ |      |

-

.

• •

#### 1B

EPA SAMPLE NO.

RPMW-14I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
Lab Name: MITKEM CORPORATION Contract:

Matrix: (soil/water) WATER Sample wt/vol: 1000 (g/mL) ML Level: (low/med) LOW

% Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Concentrated Extract Volume: 1000(uL)

Injection Volume: 1.0(uL)

GPC Cleanup: (Y/N) N pH: \_\_\_\_

: SDG No.: A1369 Lab Sample ID: A1369-08C Lab File ID: S1D0997 Date Received: 09/19/02 Date Extracted:09/19/02 Date Analyzed: 09/20/02 Dilution Factor: 1.0

CAS NO.

COMPOUND

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

Q

٠.

| 91-20-3Naphthalene             | 3  | J   |
|--------------------------------|----|-----|
| 91-57-62-Methylnaphthalene     | 10 | U   |
| 208-96-8Acenaphthylene         | 10 | U   |
| 83-32-9Acenaphthene            | 10 | σ   |
| 132-64-9Dibenzofuran           | 10 | U   |
| 86-73-7Fluorene                | 10 | U   |
| 85-01-8Phenanthrene            | 10 | U . |
| 120-12-7Anthracene             | 10 | U   |
| 206-44-0Fluoranthene           | 10 | U   |
| 129-00-0Pyrene                 | 10 | U   |
| 56-55-3Benzo (a) anthracene    | 10 |     |
| 218-01-9Chrysene               | 10 | U   |
| 205-99-2Benzo (b) fluoranthene | 10 | υ   |
| 207-08-9Benzo(k)fluoranthene   | 10 | U   |
| 50-32-8Benzo(a)pyrene          | 10 | ט   |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10 | U   |
| 53-70-3Dibenzo(a,h)anthracene  | 10 | υJ  |
| 191-24-2Benzo(g,h,i)perylene   | 10 | U   |
|                                |    |     |
|                                |    | I   |

| 1               |                |
|-----------------|----------------|
| INORGANIC ANALY | SIS DATA SHEET |

EPA SAMPLE NO.

UG/L

| Lab Name: MITKEM_CORPORATION |        | Contract: |  | RPMW-14I       |       |            |          |       |
|------------------------------|--------|-----------|--|----------------|-------|------------|----------|-------|
| Lab Code:                    | MITKEM | Case No.: |  | SAS No.        | .:    |            | SDG No.: | A1369 |
| Matrix (soil/wat             | er):   | WATER     |  |                | Lab S | Sample ID: | A1369-0  | 3B    |
| Level (low/med):             |        | MED       |  | Date Received: |       | Received:  | 09/19/02 |       |
|                              |        |           |  |                |       |            |          |       |

% Solids:

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

С CAS No. Concentration Q Μ Analyte NR \_7429-90-5 Aluminum NR 7440-36-0 Antimony\_ NR \_7440-38-2 Arsenic 7440-39-3 Barium NR Beryllium NR 7440-41-7\_ NR 7440-43-9 Cadmium NR Calcium \_7440-70-2 NR 7440-47-3. Chromium NR 7440-48-4 Cobalt\_ 7440-50-8 NR Copper\_ NR \_7439-89-6\_ Iron\_ NR 7439-92-1 Lcad\_ NR 7439-95-4 Magnesium NR 7439-96-5 Manganese NR 7439-97-6 Mercury NR 7440-02-0 Nickel 7440-09-7 Potassium NR NR 7782-49-2 Selenium NR 7440-22-4 Silver\_ NR Sodium 7440-23-5 NR 7440-28-0 Thallium NR 7440-62-2 Vanadium NR 7440-66-6\_ Zinc B 6.9 CA Cyanide.

| Color Be | tore: | for <u>the formula of the second s</u> | Clarity Before: | <br>l'exture:  |  |
|----------|-------|--|-----------------|----------------|--|
| Color Af | ter:  |  | Clarity After:  | <br>Artifacts: |  |
| Commen   | ts:   |  |                 |                |  |
|          |       |  |                 | <br>           |  |
|          |       |  |                 | <br>           |  |
|          |       |  |                 | <br>           |  |

FORM I - IN

SW846

#### 1**A**

#### EPA SAMPLE NO.

|                      | ONCENTION INCENTOR |                              |                |                       |       |
|----------------------|--------------------|------------------------------|----------------|-----------------------|-------|
| Lab Name: MITKEM COR | PORATION           | Contract:                    |                | X0918021<br>ЛИТ (Dul) | >     |
| Lab Code: MITKEM     | Case No.:          | SAS No.:                     | SDG No.:       | A1369                 |       |
| Matrix: (soil/water) | WATER              | Lab Sa                       | ample ID: A13  | 69-10 <b>A</b>        |       |
| Sample wt/vol:       | 5.000 (g/mL) ML    | Lab Fi                       | ile ID: V3A    | 6506                  |       |
| Level: (low/med)     | LOW                | Date H                       | Received: 09/  | 19/02                 |       |
| % Moisture: not dec. | <u> </u>           | Date A                       | Analyzed: 09/2 | 26/02                 |       |
| GC Column: RTX-502.2 | ID: 0.53 (mm)      | Diluti                       | ion Factor: 1  | .0                    |       |
| Soil Extract Volume: | (uL)               | Soil P                       | liquot Volum   | e:                    | _(uL) |
| CAS NO.              | COMPOUND           | CONCENTRATIC<br>(ug/L or ug/ |                | Q                     |       |
|                      |                    |                              | 1              |                       |       |

#### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMWXX091802-1 RPMW14I DUP Contract: Lab Name: MITKEM CORPORATION SDG No.: A1369 Case No.: SAS No.: Lab Code: MITKEM Lab Sample ID: A1369-10C Matrix: (soil/water) WATER Lab File ID: S1D0999 1000 (g/mL) ML Sample wt/vol: Date Received: 09/19/02 Level: (low/med) LOW Date Extracted:09/19/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 09/20/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_ CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene               |    | J |
|----------------------------------|----|---|
| 91-57-62-Methylnaphthalene       | 10 | U |
| 208-96-8Acenaphthylene           | 10 | - |
| 83-32-9Acenaphthene              | 10 | U |
| 132-64-9Dibenzofuran             | 10 | U |
| 86-73-7Fluorene                  | 10 | U |
| 85-01-8Phenanthrene              | 10 | U |
| 120-12-7Anthracene               | 10 | U |
| 206-44-0Fluoranthene             | 10 | U |
| 129-00-0Pyrene                   | 10 | U |
| 56-55-3Benzo (a) anthracene      | 10 | _ |
| 218-01-9Chrysene                 | 10 | - |
| 205-99-2Benzo (b) fluoranthene   | 10 | U |
| 207-08-9Benzo (k) fluoranthene   | 10 | U |
| 50-32-8Benzo (a) pyrene          | 10 |   |
| 193-39-5Indeno(1,2,3-cd)pyrene   | 10 | U |
| 53-70-3Dibenzo (a, h) anthracene | 10 | U |
| 191-24-2Benzo(q,h,i)perylene     | 10 | U |
| 171 1                            |    |   |
|                                  |    |   |

|                  |           | l<br>INORGANIC ANALYSIS DATA SHEET |           | EPA SAMPLE NO. |               |                    |  |
|------------------|-----------|------------------------------------|-----------|----------------|---------------|--------------------|--|
| Lab Name:        | MITKEM_CO | RPORATION                          | Contract: |                | XX09<br>RPMW1 | 18021<br>4 I (PUP) |  |
| Lab Code:        | MITKEM    | Case No.:                          | SAS No.   | .:             | SDG No.:      | A1369              |  |
| Matrix (soil/wa  | ater):    | WATER_                             |           | Lab Sample ID: | A1369-        | 10B                |  |
| Level (low/med): |           | MED                                |           | Date Received: |               | 09/19/02           |  |
|                  |           |                                    |           |                |               |                    |  |

% Solids:

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

---

Ŷ

UG/L

| CAS No.   | Analyte   | Concentration | C | Q       | M    |
|-----------|-----------|---------------|---|---------|------|
| 7429-90-5 | Aluminum  |               |   |         |      |
| 7440-36-0 | Antimony  |               |   |         | NR   |
| 7440-38-2 | Arsenic   |               |   |         | NR   |
| 7440-39-3 |           | 1             |   |         | 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    |               |   | <b></b> | NR   |
| 7440-23-5 | Sodium    |               |   |         | NR   |
| 7440-28-0 | Thallium  |               |   |         | _ NR |
| 7440-62-2 | Vanadium  |               |   |         | NR   |
| 7440-66-6 | Zinc      |               |   |         | _NR  |
|           | Cyanide   | 9.0           | B |         | _CA  |

| Color Bei | fore: | <br>Clarity Before: | <br>Texture:   |  |
|-----------|-------|---------------------|----------------|--|
| Color Aft | ter:  | <br>Clarity After:  | <br>Artifacts: |  |
| Comment   | ts:   |                     |                |  |
| -         | ····· | <br>                |                |  |
| -         |       | <br>                | <br>           |  |

FORM I - IN

SW846

# 1A

EPA SAMPLE NO.

| LA       |          |          |      |       |  |  |  |
|----------|----------|----------|------|-------|--|--|--|
| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |  |  |  |

|   |  | RPMW-14D                        |      |
|---|--|---------------------------------|------|
| Lab Name: MITKEM CORPORATION  | Contract:                                    |                                 |      |
| Lab Code: MITKEM Case No.:  | SAS No.: SDG                                 | No.: A1369                      |      |
| Matrix: (soil/water) WATER  | Lab Sample ID:                               | A1369-09A                       |      |
| Sample wt/vol: 5.000 (g/mL) ML  | Lab File ID:                                 | V3A6505                         |      |
| Level: (low/med) LOW  | Date Received:                               | 09/19/02                        |      |
| % Moisture: not dec.  | Date Analyzed:                               | 09/26/02                        |      |
| GC Column: RTX-502.2 ID: 0.53 (mm)  | Dilution Facto                               | or: 1.0                         |      |
| Soil Extract Volume:(uL)  | Soil Aliquot V                               | Volume:                         | (uL) |
| CAS NO. COMPOUND  | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L |                                 |      |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total | ·····  | 1 U<br>1 U<br>1 U<br>1 U<br>1 U |      |

FORM I VOA

•

• •

\_

OLM03.0

000074

-

#### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-14D

Lab Name: MITKEM CORPORATION Contract: SDG No.: A1369 Lab Code: MITKEM Case No.: SAS No.: Lab Sample ID: A1369-09C Matrix: (soil/water) WATER Lab File ID: S1D0998 1000 (g/mL) ML Sample wt/vol: Date Received: 09/19/02 LOW Level: (low/med) Date Extracted:09/19/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 09/20/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N рн: \_\_\_\_

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene              | 2  | J |
|---------------------------------|----|---|
| 91-57-62-Methylnaphthalene      | 10 | ប |
| 208-96-8Acenaphthylene          | 10 | U |
| 83-32-9Acenaphthene             | 10 | U |
| 132-64-9Dibenzofuran            | 10 | U |
| 86-73-7Fluorene                 | 10 | U |
| 85-01-8Phenanthrene             | 10 | U |
| 120-12-7Anthracene              | 10 | U |
| 206-44-0Fluoranthene            | 10 | U |
| 129-00-0Pyrene                  | 10 | U |
| 56-55-3Benzo (a) anthracene     | 10 | U |
| 218-01-9Chrysene                | 10 | U |
| 205-99-2Benzo (b) fluoranthene  | 10 | U |
| 207-08-9Benzo(k) fluoranthene   | 10 | U |
| 50-32-8Benzo (a) pyrene         | 10 | U |
| 193-39-5Indeno(1,2,3-cd) pyrene | 10 | U |
| 53-70-3Dibenzo(a,h)anthracene   | 10 | ប |
| 191-24-2Benzo(g,h,i)perylene    | 10 | υ |
| TAT-74-5                        |    | ļ |
|                                 |    |   |

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

| INOKGANIC ANALISIS DATA SHELI |             |           |           |      |             | r        |       |
|-------------------------------|-------------|-----------|-----------|------|-------------|----------|-------|
| Lab Name:                     | MITKEM_CORP | ORATION   | Contract: |      |             | RPMW-1   | 4D    |
| Lab Code:                     | MITKEM      | Case No.: | SAS No    | ).:  |             | SDG No.: | A1369 |
| Matrix (soil/wat              | ter):       | WATER_    |           | Lab  | Sample ID:  | A1369-0  | 9B    |
| Level (low/med                | ):          | MED       |           | Date | e Received: | 09/19/02 |       |
|                               |             |           |           |      |             |          |       |

% Solids:

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

----

UG/L

| CAS No.    | Analyte Concentration | С | Q        | M   |
|------------|-----------------------|---|----------|-----|
| _7429-90-5 | Aluminum              |   |          | NR  |
| _7440-36-0 |                       |   |          | NR  |
| _7440-38-2 |                       |   |          | NR  |
| _7440-39-3 |                       |   |          | 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  |                       |   |          | NR  |
| _7439-89-6 | Iron                  |   |          | NR  |
| _7439-92-1 |                       |   |          | NR  |
| _7439-95-4 |                       |   |          | NR  |
| 7439-96-5  | 0                     | 1 |          | NR  |
| 7439-97-6  |                       |   | <u> </u> | NR  |
| 7440-02-0  |                       |   |          | NR  |
| 7440-09-7  |                       |   |          | NR  |
| 7782-49-2  | Selenium              |   |          | NR  |
| 7440-22-4  |                       |   |          | NR  |
| 7440-23-5  | Sodium                |   |          | NR  |
| 7440-28-0  | Thallium              |   |          | NR  |
|            | Vanadium              |   |          | NR  |
| 7440-66-6  |                       |   |          |     |
|            |                       | B |          | CA  |

| Color Before:                          |         | Clarity Before: | <br>Texture:   |       |
|--|---------|-----------------|----------------|-------|
| Color After:                           | <b></b> | Clarity After:  | <br>Artifacts: | ····· |
| Comments:                              |         |                 |                |       |
| <u>.</u>                               |         |                 |                |       |
| ······································ |         |                 | <br>           |       |

SW846

#### 1A

EPA SAMPLE NO.

I

| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |
|----------|----------|----------|------|-------|
|          |          |          |      |       |

| Lab Name: MITKEM COR | PORATION        | Contract:                                    | RPMW-14D2                       |
|----------------------|-----------------|--|---------------------------------|
| Lab Code: MITKEM     | Case No.:       | SAS No.: SDG                                 | No.: A1369                      |
| Matrix: (soil/water) | WATER           | Lab Sample ID                                | : A1369-15A                     |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File ID:                                 | V3A6541                         |
| Level: (low/med)     | LOW             | Date Received                                | : 09/19/02                      |
| % Moisture: not dec. |                 | Date Analyzed                                | : 09/27/02                      |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution Facto                               | or: 1.0                         |
| Soil Extract Volume: | (uL)            | Soil Aliquot N                               | Volume:(uL)                     |
| CAS NO.              | COMPOUND        | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/I |                                 |
|                      |                 |  | 1 0<br>1 0<br>1 0<br>1 0<br>1 0 |

.

EPA SAMPLE NO.

| Lab Name: MITKEM COR   | PORATION Contract | RPMW-14D2                |
|------------------------|-------------------|--------------------------|
| Lab Code: MITKEM       | Case No.: SAS No. | : SDG No.: A1369         |
| Matrix: (soil/water)   | WATER             | Lab Sample ID: A1369-15C |
| Sample wt/vol:         | 1000 (g/mL) ML    | Lab File ID: S1D1001     |
| Level: (low/med)       | LOW               | Date Received: 09/19/02  |
| <pre>% Moisture:</pre> | decanted: (Y/N)   | Date Extracted:09/19/02  |
| Concentrated Extract   | Volume: 1000(uL)  | Date Analyzed: 09/20/02  |
| Injection Volume:      | 1.0(uL)           | Dilution Factor: 1.0     |
| GPC Cleanup: (Y/N)     | N pH:             |                          |

CAS NO.

COMPOUND

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

Q

|  | 1 ······  | r   |
|--|---|---|
| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-8Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Phenanthrene         120-12-7Anthracene         206-44-0Fluoranthene         129-00-0Pyrene         56-55-3Benzo (a) anthracene         218-01-9Benzo (b) fluoranthene         205-99-2Benzo (k) fluoranthene         207-08-9Benzo (a) pyrene         193-39-5 | 10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>1 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 |
| 207-08-9Benzo(k)fluoranthene   | 10<br>10<br>10<br>10  | บ<br>บ<br>บ   |

|                 |           | INORG     | I<br>INORGANIC ANALYSIS DATA SHEET |           | SHEET          | EPA SAMPLE NO |       |
|-----------------|-----------|-----------|------------------------------------|-----------|----------------|---------------|-------|
| Lab Name:       | MITKEM_CO | RPORATION |                                    | Contract: |                | RPMW-         | 14D2  |
| Lab Code:       | MITKEM    | Case No.: |                                    | SAS No.:  |                | SDG No.:      | A1369 |
| Matrix (soil/wa | ater):    | WATER_    |                                    | 1         | Lab Sample ID: | A1369-1       | 5B    |
| Level (low/me   | d):       | MED       |                                    | I         | Date Received: | 09/19/02      | 2     |
| % Solids:       |           |           |                                    |           |                |               |       |

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

Μ С Q Concentration CAS No. Analyte NR 7429-90-5 Aluminum NR 7440-36-0\_ Antimony\_ NR 7440-38-2 Arsenic\_ NR 7440-39-3 Barium\_ NR Beryllium \_7440-41-7. NR Cadmium \_7440-43-9\_ NR Calcium 7440-70-2 NR 7440-47-3 Chromium NR 7440-48-4. Cobalt\_ NR Copper\_ \_7440-50-8. NR Iron \_7439-89-6\_ 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 Selenium 7782-49-2. NR Silver\_ \_7440-22-4\_ NR 7440-23-5. Sodium. NR 7440-28-0 Thallium. NR 7440-62-2 Vanadium NR \_7440-66-6\_ Zinc 5.0 U\_ CA Cyanide\_

| Color Before | . <u></u> | Clarity Before: | un      | Texture:   |  |
|--------------|-----------|-----------------|---------|------------|--|
| Color After: |           | Clarity After:  | <u></u> | Artifacts: |  |
| Comments:    |           |                 |         |            |  |
|              |           |                 |         |            |  |
|              |           |                 |         |            |  |
|              |           |                 |         |            |  |

FORM I - IN

SW846

000397

UG/L

#### 1A

EPA SAMPLE NO.

| VOLATILE ORGANICS ANALYS   | IS DATA SHEET                                  |
|--|--|
| Lab Name: MITKEM CORPORATION   | Contract:                                      |
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1383                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1383-07A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6629                           |
| Level: (low/med) LOW   | Date Received: 09/21/02                        |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 09/30/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) |  |

FORM I VOA

--- -- - -

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

- ------

RPMW-151

| Lab Name: MITKEM CORPORATION     | Contract  | :              |             |
|----------------------------------|-----------|----------------|-------------|
| Dab Name. MITNER Concernies      |           |                |             |
| Lab Code: MITKEM Case No.:       | SAS NO.   | : SDG          | No.: A1383  |
| Matrix: (soil/water) WATER       |           | Lab Sample ID: | : A1383-07E |
| Sample wt/vol: 1000 (g/          | mL) ML    | Lab File ID:   | S2C9504     |
| Level: (low/med) LOW             |           | Date Received: | : 09/21/02  |
| <pre>% Moisture: decanted:</pre> | (Y/N)     | Date Extracted | 1:09/23/02  |
| Concentrated Extract Volume:     | 1000 (uL) | Date Analyzed: | : 09/27/02  |
| Injection Volume: 1.0(uL)        |           | Dilution Facto | or: 1.0     |
| GPC Cleanup: (Y/N) N             | рн:       |                |             |
|                                  | CONCE     |                | ,           |

CAS NO.

\_ \_

COMPOUND

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

Q

FORM I SV-1

|                  |              | l<br>INORGANIC ANALYSIS DATA SHEET |  |           | EPA SAMPLE NO. |          |       |  |
|------------------|--------------|------------------------------------|--|-----------|----------------|----------|-------|--|
| Lab Name:        | MITKEM_CORPO | DRATION                            |  | Contract: | ··             | RPMW     | -151  |  |
| Lab Code:        | MITKEM       | Case No.:                          |  | SAS No.   | •              | SDG No.: | A1383 |  |
| Matrix (soil/wat | er):         | WATER_                             |  |           | Lab Sample ID: | A1383-0  | )7D   |  |
| Level (low/med)  | ):           | MED                                |  |           | Date Received: | 09/21/02 | 2     |  |
|                  |              |                                    |  |           |                |          |       |  |

% Solids:

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

UG/L

-

----

. . . . .

\_\_\_\_

| CAS No.    | Analyte   | Concentration | С | Q | M  |
|------------|-----------|---------------|---|---|----|
| _7429-90-5 | Aluminum  |               |   |   | NR |
| _7440-36-0 | Antimony  |               |   |   | NR |
| _7440-38-2 |           |               |   |   | NR |
| 7440-39-3  |           |               |   |   | 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    |               |   |   |    |
| _7439-89-6 |           |               |   |   | P  |
| 7439-92-1  | Lead      |               |   |   | NR |
| _7439-95-4 | Magnesium |               |   |   | NR |
| 7439-96-5  | Manganese |               |   | E | P  |
| 7439-97-6  |           |               |   |   | NR |
| 7440-02-0  |           |               |   |   | NR |
| 7440-09-7  |           |               |   |   | NR |
| 7782-49-2  | Selenium  |               |   |   | NR |
| 7440-22-4  | Silver    |               |   |   | NR |
| 7440-23-5  | Sodium    |               |   |   | NR |
| 7440-28-0  |           |               |   | , | NR |
| 7440-62-2  | Vanadium  |               |   |   | NR |
| 7440-66-6  |           |               |   |   |    |
|            | Cyanide   | 7.3           | B |   |    |

| Color Before:        |  | Clarity Before: | <u> </u> | Texture:   | · |
|----------------------|--|-----------------|----------|------------|---|
| Color After:         | ······································ | Clarity After:  | <u> </u> | Artifacts: |   |
| Comments:<br>TOTAL_N | METALS_FOR_SAMPI                       | LE_RPMW-151     |          |            |   |

.

FORM I - IN

|             | 1       |      |       |
|-------------|---------|------|-------|
| INORGANIC A | NALYSIS | DATA | SHEET |

EPA SAMPLE NO.

----

| Lab Name:        | : MITKEM_CORPORATION |           |  | Contract: | <u></u>        | RPMW-    | 151   |
|------------------|----------------------|-----------|--|-----------|----------------|----------|-------|
| Lab Code:        | MITKEM               | Case No.: |  | SAS No.   | :              | SDG No.: | A1383 |
| Matrix (soil/wat | er):                 | WATER_    |  |           | Lab Sample ID: | A1383-0  | 7F    |
| Level (low/med)  | ):                   | MED       |  |           | Date Received: | 09/21/02 | ·     |

% Solids:

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

UG/L

| CAS No.    | Analyte   | Concentration | C        | Q             | M           |
|------------|-----------|---------------|----------|---------------|-------------|
| _7429-90-5 | Aluminum  |               |          |               |             |
| 7440-36-0  | Antimony  |               |          | <u> </u>      | 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    |               |          |               |             |
| 7439-89-6  | Iron      | 35.0          | U_       | $\sim$        | P           |
| 7439-92-1  | Lead      |               |          |               | NR          |
| 7439-95-4  | Magnesium |               |          |               | _NR         |
| 7439-96-5  | Manganese | 139           | <b>_</b> | E             | P           |
| _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  |               |          | ···· <u> </u> | NR          |
| _7440-62-2 | Vanadium  |               |          |               | _INR        |
| _7440-66-6 | Zinc      |               |          | -             | <b>⊥</b> NR |
|            | Cyanide   |               |          |               | _  NR       |

| Color Before:       | <u> </u>         | Clarity Before: | ;                                     | Texture:   |  |
|---------------------|------------------|-----------------|---------------------------------------|------------|--|
| Color After:        | - <u></u>        | Clarity After:  | ·                                     | Artifacts: |  |
| Comments:<br>DISSOL | VED_METALS_FOR_S | AMPLE_RPMW-151  |                                       |            |  |
|                     |                  |                 | · · · · · · · · · · · · · · · · · · · |            |  |

### **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-15ILab ID:A1383-07

Project: Keyspan Collection Date: 09/20/02 11:53 Matrix: AQUEOUS

| Analyses                       | Result    | Qual     | Limit    | Units   |     | DF         | Date Analyzed  |
|--------------------------------|-----------|----------|----------|---------|-----|------------|----------------|
| NITROGEN (NITRATE) BY AUTOMATE | D CD REDI | J E353.2 | _NO3     |         |     |            |                |
| Nitrate-N                      | ND        |          | 0.050    | mg/L    | ust | 1          | 09/21/02 11:00 |
| ALKALINITY BY TITRATION METHOD |           | SM232    | 0_W      |         |     |            |                |
| Alkalinity, Total (As CaCO3)   | 260       |          | 20       | mg/L Ca | CO3 | 1          | 09/25/02 12:00 |
| FERROUS IRON BY PHENANTHROLIN  | IE METHOD | SM350    | D_FE2_W  | 1       |     |            |                |
| Ferric Iron                    | ND        |          | 100      | mg/L    |     | 10         | 09/21/02 12:00 |
| Ferric Iron                    | ND        |          | 100      | mg/L    |     | 1 <b>0</b> | 09/21/02 12:00 |
| FERROUS IRON BY PHENANTHROLIN  |           | SM350    | DD_FE3_W | 1       |     |            |                |
| Ferrous Iron                   | ND        |          | 100      | mg/L    |     | 10         | 09/21/02 12:00 |
| Ferrous Iron                   | ND        |          | 100      | mg/L    |     | 10         | 09/21/02 12:00 |
| SULFATE BY TURBIDIMETRIC METHO | D         | SM4500   | _so4_w   |         |     |            |                |
| Sulfate                        | 680       |          | 180      | mg/L    |     | 25         | 09/23/02 13:41 |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

**DF** - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Limit - Reporting Limit

0328

# 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

\_

EPA SAMPLE NO.

-1

\_\_\_\_

1-

| Lab Name: MITKEM CORPORATION   | Contract:                                      |     |
|--|--|-----|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1390                        |     |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1390-07A                       |     |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6657                           |     |
| Level: (low/med) LOW   | Date Received: 09/24/02                        |     |
| <pre>% Moisture: not dec</pre>   | Date Analyzed: 10/02/02                        |     |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 1.0                           |     |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(ul                        | (ما |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |     |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1 U<br>1 U<br>1 U<br>1 U<br>1 U<br>1 U         |     |

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

RPMW-15D Lab Name: MITKEM CORPORATION Contract: SAS NO.: SDG No.: A1390 Lab Code: MITKEM Case No.: Matrix: (soil/water) WATER Lab Sample ID: A1390-07C Lab File ID: Sample wt/vol: 1000 (q/mL) ML S1D1141 Level: (low/med) Date Received: 09/24/02 LOW decanted: (Y/N)Date Extracted: 09/24/02 % Moisture: \_\_\_\_\_ Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/27/02 Injection Volume: Dilution Factor: 1.0 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

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

Q

EPA SAMPLE NO.

| 91-20-3Naphthalene               | 10   | υ |
|----------------------------------|------|---|
| 91-57-62-Methylnaphthalene       |      | υ |
| 208-96-8Acenaphthylene           |      | υ |
| 83-32-9Acenaphthene              | 10   | υ |
| 132-64-9Dibenzofuran             |      | U |
| 86-73-7Fluorene                  |      | υ |
| 85-01-8Phenanthrene              | 10   | U |
| 120-12-7Anthracene               | - 10 |   |
| 206-44-0Fluoranthene             | - 10 | _ |
| 129-00-0Pyrene                   | - 10 | U |
| 56-55-3Benzo (a) anthracene      |      | Ū |
| 218-01-9Chrysene                 |      | - |
| 205-99-2Benzo(b) fluoranthene    | 10   | U |
| 207-08-9Benzo (k) fluoranthene   | - 10 |   |
| 50-32-8Benzo (a) pyrene          | - 10 | Ū |
| 193-39-5Indeno(1,2,3-cd)pyrene   |      | υ |
| 53-70-3Dibenzo(a,h)anthracene    |      | - |
| 191-24-2Benzo (g, h, i) perylene | - 10 | - |
|                                  | -1   | - |
| <u></u>                          | ···· | l |

# **Mitkem Corporation**

-----

| CLIENT:                  | GEI Consultants, Inc. |          |       |           | Project: Keys  | pan        |           |
|--------------------------|-----------------------|----------|-------|-----------|----------------|------------|-----------|
| <b>Client Sample ID:</b> | RPMW-15D              |          |       | Collectio | on Date: 09/23 | 3/02 11:25 |           |
| Lab ID:                  | Matrix: AQUEOUS       |          |       |           |                |            |           |
| Analyses                 |                       | Result ( | <br>] | Limit     | Units          | DF         | Date Anal |

| Analyses      | Result | Qual   | Limit | Units |    | DF | Date Analyzed |
|---------------|--------|--------|-------|-------|----|----|---------------|
| TOTAL CYANIDE |        | SW9012 | BW    |       |    |    |               |
| Cyanide       | ND     |        | 0.020 | mg/L  | UJ | 1  | 09/25/02 7:00 |

Qualiflers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- **DF** Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- Limit Reporting Limit

#### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

| Lab Name: MITKEM CORPORATION   | Contract:   | RPMW-16S  |
|--|---|---|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG  | No.: A1620  |
| Matrix: (soil/water) WATER   | Lab Sample ID:  | A1620-01A   |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID:  | V6C3756   |
| Level: (low/med) LOW   | Date Received:  | 11/08/02  |
| % Moisture: not dec.   | Date Analyzed:  | 11/20/02  |
| GC Column: DB-624 ID: 0.25 (mm)  | Dilution Facto  | »r: 1.0   |
| Soil Extract Volume:(uL)   | Soil Aliquot V  | /olume:(uL)   |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/I  |   |
| 75-71-8Dichlorodiflue         74-87-3Chloromethane         75-01-4Vinyl Chloride         74-83-9Bromomethane         75-00-3Chloroethane         75-69-4Chloroethane         75-69-4Chloroethane         75-35-4Chloroethane         75-69-4Chloroethane         75-35-4Chloroethane         75-35-4 | e<br>romethane<br>thene<br>ide<br>por ide<br>hloroethene<br>thane<br>proethene<br>ropane<br>thane<br>ropene<br>nloride<br>thane<br>me<br>me<br>methane<br>noropropene<br>hloropropene<br>hloropropene | s       s |

FORM I VOA

0030

. . . . . . . . . . . .

| VOLATILE   | 1A<br>ORGANICS ANALYSI  | S DATA SHEET                               | EPA SAMPLE NO.   |
|--|---|--|--|
| Lab Name: MITKEM CORF  | PORATION  | Contract:                                  | RPMW-16S   |
| Lab Code: MITKEM C   | ase No.:  | SAS No.: SDG                               | No.: A1620   |
| Matrix: (soil/water)   | WATER   | Lab Sample ID                              | : A1620-01A  |
| Sample wt/vol:   | 5.000 (g/mL) ML   | Lab File ID:                               | V6C3756  |
| Level: (low/med)   | LOW   | Date Received                              | : 11/08/02   |
| % Moisture: not dec.   |   | Date Analyzed                              | : 11/20/02   |
| GC Column: DB-624  | 1D: 0.25 (mm)   | Dilution Fact                              | or: 1.0  |
| Soil Extract Volume:_  | (uL)  | Soil Aliquot                               | Volume:(uL)  |
| CAS NO.  | COMPOUND  | CONCENTRATION UNITS<br>(ug/L or ug/Kg) UG/ |  |
| 127-18-4<br>591-78-6<br>124-48-1<br>106-93-4<br>108-90-7<br>630-20-6 | 1,3-Dichloropr<br>Tetrachloroeth<br>2-Hexanone<br>Dibromochlorom<br>1,2-Dibromoeth<br>Chlorobenzene<br>1,1,1,2-Tetrac<br>Ethylbenzene | ene<br>ethane<br>ane                       | 5 U<br>5 U<br>5 U<br>5 U<br>5 U<br>5 U<br>5 U<br>5 U<br>5 U<br>5 U |

1330-20-7----Xylene (Total)

98-82-8-----Isopropylbenzene

103-65-1----n-Propylbenzene

95-49-8-----2-Chlorotoluene

106-43-4-----4-Chlorotoluene

135-98-8----sec-Butylbenzene

104-51-8----n-Butylbenzene 95-50-1-----1,2-Dichlorobenzene

91-20-3-----Naphthalene

98-06-6-----tert-Butylbenzene

99-87-6-----4-Isopropyltoluene

541-73-1-----1,3-Dichlorobenzene

106-46-7-----1,4-Dichlorobenzene

87-68-3-----Hexachlorobutadiene

87-61-6-----1,2,3-Trichlorobenzene

79-34-5-----1,1,2,2-Tetrachloroethane

96-18-4-----1,2,3-Trichloropropane

108-67-8-----1,3,5-Trimethylbenzene

95-63-6-----1,2,4-Trimethylbenzene

96-12-8-----1,2-Dibromo-3-chloropropane 120-82-1-----1,2,4-Trichlorobenzene

100-42-5-----Styrene

75-25-2-----Bromoform

108-86-1----Bromobenzene

5 U 5 U

U

U 5

|U 5

U 5 U 5 U

U 5 U

U 5 U

5 U

5 U

5 U 5 U 5 U

5 U 5

5 U

U 5 U

5 U

5 U 5

5 U |

5

5

| VOLATILE                        | 1E<br>ORGANICS ANALYSI | S DATA SHEET                             | EPA SAMPLE NO. |
|---------------------------------|------------------------|--|----------------|
|                                 | ATIVELY IDENTIFIE      |  | RPMW-16S       |
| Lab Name: MITKEM COR            | PORATION               | Contract:                                |                |
| Lab Code: MITKEM                | Case No.:              | SAS No.: SD                              | G No.: A1620   |
| Matrix: (soil/water)            | WATER                  | Lab Sample I                             | D: A1620-01A   |
| Sample wt/vol:                  | 5.000 (g/mL) ML        | Lab File ID:                             | V6C3756        |
| Level: (low/med)                | LOW                    | Date Receive                             | d: 11/08/02    |
| <pre>% Moisture: not dec.</pre> |                        | Date Analyze                             | d: 11/20/02    |
| GC Column: DB-624               | ID: 0.25 (mm)          | Dilution Fac                             | tor: 1.0       |
| Soil Extract Volume:            | (uL)                   | Soil Aliquot                             | Volume:(uL)    |
| Number TICs found:              | 0                      | CONCENTRATION UNIT<br>(ug/L or ug/Kg) ug |                |
|                                 |                        |  |                |

· \_\_\_\_ · \_\_\_ · \_\_\_ · \_\_\_ · \_\_\_

| CAS NUMBER | COMPOUND NAME | RT      | EST. CONC. | Q |
|------------|---------------|---------|------------|---|
| 1          |               |         |            |   |
| 2<br>3     |               |         |            |   |
| 5          |               |         |            |   |
| 7          |               |         |            |   |
| 9.         | ·             |         |            |   |
| 11.        |               |         |            |   |
| 13.        |               |         |            |   |
| 15         |               |         |            |   |
| 17         |               |         |            |   |
| 18<br>19.  |               |         |            |   |
| 21         |               |         |            |   |
| 22<br>23   |               |         |            |   |
| 24         |               |         |            |   |
| 20.        |               |         |            |   |
| 28.        |               | <u></u> |            |   |
| 29<br>30   |               | <br>    |            |   |
| /          |               | ·       |            | I |

FORM I VOA-TIC

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-16S Lab Name: MITKEM CORPORATION Contract: SAS No.: SDG No.: A1620 Lab Code: MITKEM Case No.: Lab Sample ID: A1620-01I Matrix: (soil/water) WATER Lab File ID: S1D2175 Sample wt/vol: 1000 (g/mL) ML Date Received: 11/08/02 Level: (low/med) LOW % Moisture: decanted: (Y/N) Date Extracted:11/14/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 11/22/02 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_

CAS NO.

COMPOUND

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

Q

|  | · · · · · · · · · · · · · · · · · · ·                                      | -                            |
|--|--|------------------------------|
| 91-20-3Naphthalene         91-57-62-Methylnaphthalene         208-96-82-Methylnaphthalene         83-32-9Acenaphthylene         83-32-9Acenaphthene         132-64-9Dibenzofuran         86-73-7Fluorene         85-01-8Phenanthrene         120-12-7Anthracene         206-44-0Pyrene         56-55-3Pyrene         56-55-3Benzo (a) anthracene         218-01-9Benzo (b) fluoranthene         207-08-9Benzo (k) fluoranthene         50-32-8Benzo (a) pyrene | 10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10 | <b>a</b> aaaaaaa<br>aaaaaaaa |
| 205-99-2Benzo(b)fluoranthene   | 10<br>10   | บ<br>บ<br>บ<br>บ<br>บ        |
|  |  | . <u> </u>                   |

| U.S. EPA - CLI | P |
|----------------|---|
|----------------|---|

1

INORGANIC ANALYSIS DATA SHEET

| Lab Name:       | MITKEM_COR | PORATION  | <br>Contract: |                | RPMW-    | 16S   |
|-----------------|------------|-----------|---------------|----------------|----------|-------|
| Lab Code:       | MITKEM     | Case No.: | <br>SAS No.   | :              | SDG No.: | A1620 |
| Matrix (soil/wa | iter):     | WATER_    |               | Lab Sample ID: | A1620-0  | 01D   |
| Level (low/med  | d):        | MED       |               | Date Received: | 11/08/02 | 2     |
|                 |            |           |               |                |          |       |

% Solids:

----

. . . . . . .

· ·— ·

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

UG/L

٢

| CAS No.     | Analyte   | Concentration | С      | Q | М           |
|-------------|-----------|---------------|--------|---|-------------|
| _7429-90-5  | Aluminum  |               |        |   |             |
| 7440-36-0   | Antimony  |               |        |   |             |
| _7440-38-2  | Arsenic   |               |        |   | NR          |
| _7440-39-3  | Barium    |               |        |   | NR          |
| _7440-41-7  | Beryllium |               | _    _ |   | NR          |
| _7440-43-9  | Cadmium   |               |        |   | NR          |
| _7440-70-2  | Calcium   | 76400         |        |   | _ P_        |
| _7440-47-3  | Chromium  |               |        |   | NR          |
| _7440-48-4  | Cobalt    |               |        |   |             |
| _7440-50-8  | Copper    |               |        |   | $_{\rm NR}$ |
| _7439-89-6  | Iron      | 354           |        |   | P           |
| 7439-92-1   |           |               |        |   |             |
| _7439-95-4  | Magnesium |               | _      |   |             |
| _7439-96-5  | Manganese |               |        |   | P           |
| 7439-97-6   | -         |               |        | _ |             |
| 7440-02-0   |           |               |        |   |             |
| 7440-09-7   | Potassium | 10200         |        |   | Р           |
| 7782-49-2   | Selenium  |               |        |   |             |
| _7440-22-4_ | Silver    |               |        |   | NR          |
|             | Sodium    | 70100         |        |   | P_          |
| 7440-28-0   |           |               |        |   |             |
| 7440-62-2   |           |               |        |   |             |
| 7440-66-6   | Zinc      |               |        |   |             |
|             | Cyanide   | 5.0           | - [U]- |   | ∐са         |

|               |                 | FORM            | <b>D</b> 1 |            | C11/046 |
|---------------|-----------------|-----------------|------------|------------|---------|
|               |                 |                 |            |            |         |
| Comments:     | METALS FOR SAMP | LE_RPMW-165     |            |            |         |
| Color After:  |                 | Clarity After:  |            | Artifacts: |         |
| Color Before: |                 | Clarity Before: | <u> </u>   | Texture:   |         |

\_\_\_\_\_

SW846

| 1               | 1         |       |
|-----------------|-----------|-------|
| INORGANIC ANALY | YSIS DATA | SHEET |

EPA SAMPLE NO.

| Lab Name:         | MITKEM_CORPO | DRATION   | <br>Contract: |                | RPMW-    | 16S        |
|-------------------|--------------|-----------|---------------|----------------|----------|------------|
| Lab Code:         | MITKEM       | Case No.: | <br>SAS No.   | :              | SDG No.: | A1620      |
| Matrix (soil/wate | er):         | WATER_    |               | Lab Sample ID: | A1620-0  | 1 <b>E</b> |
| Level (low/med)   | :            | MED       |               | Date Received: | 11/08/02 |            |

% Solids:

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

UG/L

| CAS No.    | Analyte   | Concentration                         | c | Q  | м           |
|------------|-----------|---------------------------------------|---|----|-------------|
| 7429-90-5  | Aluminum  |                                       |   |    |             |
| _7440-36-0 | Antimony  |                                       |   |    | NR          |
| _7440-38-2 |           | · · · · · · · · · · · · · · · · · · · |   |    | NR          |
| _7440-39-3 | Barium    |                                       |   |    | NR          |
| _7440-41-7 | Beryllium |                                       |   |    | NR          |
| _7440-43-9 |           |                                       |   |    | NR          |
| _7440-70-2 | Calcium   |                                       |   |    | NR          |
| _7440-47-3 | Chromium  |                                       |   |    |             |
| _7440-48-4 | Cobalt    |                                       |   |    |             |
| _7440-50-8 | Copper    |                                       |   |    |             |
|            |           |                                       |   |    | NR          |
| _7439-92-1 |           | ··· ]                                 |   |    | NR          |
| 7439-95-4  | Magnesium |                                       |   |    | NR          |
| _7439-96-5 | -         | 50.5                                  |   | -, | P           |
|            |           |                                       |   |    | NR          |
| 7440-02-0  | , -       |                                       |   |    | NR          |
|            | Potassium |                                       |   |    | $_{\rm NR}$ |
| _7782-49-2 | Selenium  |                                       |   |    | NR          |
| 7440-22-4  | Silver    |                                       |   |    | NR          |
|            |           |                                       |   |    | NR          |
|            |           |                                       |   |    | NR          |
| 7440-62-2  | 1         |                                       |   |    | NR          |
| 7440-66-6  |           |                                       |   |    |             |
|            | Cyanide   |                                       |   |    |             |

| Color Before:          |                  | Clarity Before: | <br>Texture:   |
|------------------------|------------------|-----------------|----------------|
| Color After:           |                  | Clarity After.  | <br>Artifacts: |
| Comments:<br>DISSOLVED | _METALS_FOR_SAMP | LE_RPMW-16S     | <br>           |
|                        |                  |                 | <br>           |

SW846

# **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-16SLab ID:A1620-01

**Project:** Keyspan **Collection Date:** 11/07/02 12:27

| Analyses                        | Result  | Qual     | Limit        | Units      | DF | Date Analyzed  |
|---------------------------------|---------|----------|--------------|------------|----|----------------|
| NITROGEN (NITRATE) BY AUTOMATED | CD REDI | J E353.2 | NO3          |            |    |                |
| Nitrate-N                       | ND      | _        | 0.50         | mg/L       | 10 | 11/12/02 15:17 |
| ALKALINITY BY TITRATION METHOD  |         | SM2320   | w            |            |    |                |
| Alkalinity, Total (As CaCO3)    | 190     |          | - 20         | mg/L CaCO3 | 1  | 11/12/02 16:41 |
| FERROUS IRON BY PHENANTHROLINE  | METHO   | SM350    | DD_FE2 W     | I          |    |                |
| Ferrous Iron Dissolved          | ND      |          | 100          | mg/L       | 10 | 11/08/02 12:32 |
| Ferrous Iron                    | ND      |          | 100          | mg/L       | 10 | 11/08/02 12:32 |
| FERROUS IRON BY PHENANTHROLINE  | METHOD  | SM3500   | D_FE3_W      | 1          |    |                |
| Ferric Iron Dissolved           | ND      |          | 100          | mg/L       | 10 | 11/08/02 12:32 |
| Ferric Iron                     | ND      |          | 100          | mg/L       | 10 | 11/08/02 12:32 |
| PHOSPHATE_TOTAL BY ASCORBIC AC  | ID METH | SM4500   | <b>PO4 W</b> |            |    |                |
| Phosphate (As PO4)              | 1.5     |          | 0.30         | mg/L       | 5  | 11/25/02 12:35 |
| SULFATE BY TURBIDIMETRIC METHOD |         | SM450    | ) SO4 W      |            |    |                |
| Sulfate                         | 100     |          | 70           | mg/L       | 10 | 11/12/02 16:39 |

Qualifiers:

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

DF - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range

Limit - Reporting Limit



#### LABORATORY TEST RESULTS

Date: 12/09/2002

# CUSTOMER: Mitkem Corporation PROJECT: WATER QUALITY ANALYS ATTN: Ben Dodge

Customer Sample ID: RPMW-16S Date Sampled.....: 11/07/2002 Time Sampled.....: 12:27 Sample Matrix....: Water

Job Number: 203740

Laboratory Sample ID: 203740-1 Date Received.....: 11/21/2002 Time Received.....: 10:30

| TEST METHOD    | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT | ٩ | REPORTING LIMIT | UNITS | DATE     | TECH |   |
|----------------|----------------------------|---------------|---|-----------------|-------|----------|------|---|
| EPA300.0 PartA | Bromide                    | 0.108         | T | 0.050           | mg/L  | 11/22/02 | гже  | 1 |
| EPA300.0 PartA | Chloride                   | 96.4          |   | 10              | mg/L  | 11/22/02 | гwе  | ĺ |
| EPA300.0 PartA | Sulfate                    | 70.7          |   | 20              | mg∕L  | 11/22/02 | гже  |   |
| EPA300.0 PartA | Nitrate as N (NO3-N)       | ND            | U | 0.050           | mg/L  | 11/22/02 | гwе  |   |
| SM18 45001     | lodide                     | ND            | U | J 0.120         | mg/L  | 12/05/02 | rwe  |   |
| SM18 4500PE    | Phosphorous, Total as P    | 10.4          |   | 1.0             | mg/L  | 11/27/02 | rwe  |   |
|                |                            |               |   |                 |       |          |      |   |
|                |                            |               |   |                 |       |          |      |   |
|                |                            |               |   |                 |       |          |      |   |
|                |                            |               |   |                 |       |          |      |   |
|                |                            |               |   |                 |       |          |      |   |
|                |                            |               |   |                 |       |          |      |   |
|                |                            |               |   |                 |       |          |      |   |
|                |                            |               |   |                 |       |          |      |   |
|                |                            |               |   |                 |       |          |      |   |
|                |                            |               |   |                 |       |          |      |   |
|                |                            |               |   |                 |       |          |      |   |
|                |                            |               |   |                 |       |          | _    |   |

\* In Description = Dry Wgt.



MADEP MAD14 RIDOH57 CTDPH 0494 VT DECWSD

NY DOH 10843 NH DES 253901-A NELAP NY 10843



Page 2

STL Westfield 53 Southampton Rd. Westfield, MA 01085 Tel: (413) 572-4000 Fax: (413) 572-3707

STL Billerica 149 Rangeway Rd. N. Billerica, MA 01862 Tel: (978) 667-1400 Fax: (978) 667-7871

| VOLATILE             | EPA SAMPLE NO.                  |  |              |
|----------------------|---------------------------------|--|--------------|
| Lab Name: MITKEM COR | PORATION                        | Contract:                                | RPMW-16I     |
| Lab Code: MITKEM     | Case No.:                       | SAS No.: SD                              | G No.: A1620 |
| Matrix: (soil/water) | WATER                           | Lab Sample I                             | D: A1620-02A |
| Sample wt/vol:       | 5.000 (g/mL) ML                 | Lab File ID:                             | V6C3757      |
| Level: (low/med)     | LOW                             | Date Receive                             | d: 11/08/02  |
| % Moisture: not dec. |                                 | Date Analyze                             | d: 11/20/02  |
| GC Column: DB-624    | ID: 0.25 (mm)                   | Dilution Fac                             | tor: 1.0     |
| Soil Extract Volume: | (uL)                            | Soil Aliquot                             | Volume:(uL)  |
| CAS NO.              | COMPOUND                        | CONCENTRATION UNIT<br>(ug/L or ug/Kg) UG |              |
|                      | Dichlorodifluo<br>Chloromethane | romethane                                | 5 UJ<br>5 U  |

|                                       | Dichlorodifluoromethane   | 5   | UJ  |
|---------------------------------------|---------------------------|---|---|
|                                       | Chloromethane             | 5   | U   |
| 75-01-4                               | Vinyl Chloride            | 5   | บ<br>บ  |
| 74-83-9                               | Bromomethane              | 5   | U   |
|                                       | Chloroethane              | ·[ 5/   | U   |
| 75-69-4                               | Trichlorofluoromethane    | 5   | U   |
| 75-35-4                               | 1,1-Dichloroethene        | 5   | U   |
| 67-64-1                               | Acetone                   | . 5   | บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ<br>บ |
|                                       | Iodomethane               | 5   | U   |
|                                       | Carbon Disulfide          | 5   | U   |
|                                       | Methylene Chloride        | j 5   | U -   |
| 156-60-5                              | trans-1,2-Dichloroethene  | 5   | U   |
| 1634-04-4                             | Methyl tert-butyl ether   | 5   |   |
| 75-34-3                               | 1,1-Dichloroethane        | 5   | U   |
|                                       | Vinyl acetate             | 5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5 | U   |
| 78-93-3                               | 2-Butanone                | · 5   | J R   |
| 156-59-2                              | cis-1,2-Dichloroethene    | 5   | U   |
| 590-20-7                              | 2,2-Dichloropropane       | 5   | U   |
| 74-97-5                               | Bromochloromethane        | . 5   | U   |
| 67-66-3                               |                           | ·) 3  | J   |
| 71-55-6                               | 1,1,1-Trichloroethane     | 5   | บ<br>บ  |
| 563-58-6                              | 1,1-Dichloropropene       | 5   | U   |
| 56-23-5                               | Carbon Tetrachloride      | 5   | U   |
| 107-06-2                              | 1,2-Dichloroethane        | 5   | U   |
| 71-43-2                               | Benzene                   | . 5'  | U   |
|                                       | Trichloroethene           | 5   |   |
|                                       | 1,2-Dichloropropane       | 5   | U   |
|                                       | Dibromomethane            | 5   | U   |
| 75-27-4                               | Bromodichloromethane      | 5   | U   |
|                                       | cis-1,3-Dichloropropene   | 5   | บ<br>บ<br>บ<br>บ  |
| 108-10-1                              | 4-Methyl-2-pentanone      | 5   | U   |
| 108-88-3                              | Toluene                   | 5   | U   |
|                                       | trans-1,3-Dichloropropene | 5   | U   |
| 79-00-5                               | 1,1,2-Trichloroethane     | 5   | U   |
|                                       |                           |   |   |
| · · · · · · · · · · · · · · · · · · · |                           |   |   |

### FORM I VOA

#### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

- 1

|   |  | ,                                       |      |
|---|--|---|------|
| Lab Name: MITKEM CORPORATION Co   | ontract:   | RPMW-16I                                |      |
| Lab Code: MITKEM Case No.: S  | SAS No.: SDG   | No.: A1620                              |      |
| Matrix: (soil/water) WATER  | Lab Sample ID:   | : A1620-02A                             |      |
| Sample wt/vol: 5.000 (g/mL) ML  | Lab File ID:   | V6C3757                                 |      |
| Level: (low/med) LOW  | Date Received:   | : 11/08/02                              |      |
| % Moisture: not dec.  | Date Analyzed:   | : 11/20/02                              |      |
| GC Column: DB-624 ID: 0.25 (mm)   | Dilution Facto   | or: 1.0                                 |      |
| Soil Extract Volume:(uL)  | Soil Aliquot N   | /olume:                                 | (uL) |
| CAS NO. COMPOUND  | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/I   |   |      |
| 142-28-91, 3-Dichloroprop         127-18-4Tetrachloroether         591-78-62-Hexanone         124-48-1Dibromochloromet         106-93-41, 2-Dibromoethar         108-90-7Chlorobenzene         630-20-61, 1, 1, 2-Tetrachl         100-41-4Ethylbenzene         1330-20-7Xylene         100-42-5Styrene         75-25-2Bromoform         98-82-8Isopropylbenzene         79-34-51, 1, 2, 2-Tetrachl         108-86-1Bromobenzene         96-18-41, 2, 3-Trichlorop         103-65-1Bromobenzene         95-49-8 | he<br>hane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane<br>coroethane | 5 |      |

.

|                                   | LE ORGANICS ANALYSIS DATA SHEET<br>INTATIVELY IDENTIFIED COMPOUNDS<br>CORPORATION Contract:<br>Case No.: SAS No.: SDG No.: A1620<br>ar) WATER Lab Sample ID: A1620-02A<br>5.000 (g/mL) ML Lab File ID: V6C3757<br>LOW Date Received: 11/08/02<br>ac Date Analyzed: 11/20/02<br>ID: 0.25 (mm) Dilution Factor: 1.0<br>Me: (uL) Soil Aliquot Volume: (uL) |
|-----------------------------------|---|
|                                   |   |
|                                   | RPMW-16I  |
| Lab Name: MITKEM CORPORATION Cont | ract:   |
| Lab Code: MITKEM Case No.: SAS    | No.: SDG No.: A1620   |
| Matrix: (soil/water) WATER        | Lab Sample ID: A1620-02A  |
| Sample wt/vol: 5.000 (g/mL) ML    | Lab File ID: V6C3757  |
| Level: (low/med) LOW              | Date Received: 11/08/02   |
| % Moisture: not dec.              | Date Analyzed: 11/20/02   |
| GC Column: DB-624 ID: 0.25 (mm)   | Dilution Factor: 1.0  |
| Soil Extract Volume:(uL)          | Soil Aliquot Volume:(uL)  |
|                                   | ONCENTRATION UNITS:<br>ug/L or ug/Kg) ug/L  |

| CAS NUMBER      | COMPOUND NAME | RT | EST. CONC. | Q        |
|-----------------|---------------|----|------------|----------|
| 1.              | ·····         |    |            |          |
| 2               |               |    |            |          |
| 5.              |               |    |            |          |
| 6<br>7          |               |    | ·          |          |
| 8               |               |    |            |          |
| 10              | ·····         |    |            |          |
| 12<br>13        |               |    |            |          |
| 14.             |               |    |            |          |
| 15<br>16<br>17. |               |    |            | <u> </u> |
| 18.             |               |    |            |          |
| 20.             |               | ·  |            |          |
| 22.             |               |    | ·          |          |
| 23              |               |    |            |          |
| 25              |               |    |            |          |
| 27              |               |    |            |          |
| 29.             |               |    |            |          |
| 30              |               |    |            |          |

0025

#### 18 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

-----

-- -

.....

EPA SAMPLE NO.

17

| Lab Name: MITKEM COR   | PORATION        | Contract:                                    | RPMW-16I           |
|------------------------|-----------------|--|--------------------|
|                        |                 | SAS No.: SDG                                 | No.: A1620         |
| Matrix: (soil/water)   | WATER           | Lab Sample ID                                | : A1620-02I        |
| Sample wt/vol:         | 1000 (q/mL) ML  | Lab File ID:                                 |                    |
| Level: (low/med)       | <b>U</b>        | Date Received                                | : 11/08/02         |
| <pre>% Moisture:</pre> | decanted: (Y/N) | Date Extracted                               | <b>1</b> :11/14/02 |
| Concentrated Extract   | Volume: 1000(u  | -<br>L) Date Analyzed:                       | : 11/22/02         |
| Injection Volume:      | 1.0(uL)         | Dilution Facto                               | or: 1.0            |
| GPC Cleanup: (Y/N)     | N pH:           |  |                    |
| CAS NO.                | COMPOUND        | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/I |                    |

| 91-20-3Naphthalene             | 10 | U |
|--------------------------------|----|---|
| 91-57-62-Methylnaphthalene     | 10 | Ū |
| 208-96-8Acenaphthylene         | 10 | U |
| 83-32-9Acenaphthene            | 10 | U |
| 132-64-9Dibenzofuran           | 10 | U |
| 86-73-7Fluorene                | 10 | U |
| 85-01-8Phenanthrene            | 10 | U |
| 120-12-7Anthracene             | 10 | U |
| 206-44-0Fluoranthene           | 10 | U |
| 129-00-0Pyrene                 | 10 | U |
| 56-55-3Benzo (a) anthracene    | 10 | U |
| 218-01-9Chrysene               | 10 | U |
| 205-99-2Benzo(b) fluoranthene  | 10 | U |
| 207-08-9Benzo(k)fluoranthene   | 10 | U |
| 50-32-8Benzo (a) pyrene        | 10 | U |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10 | U |
| 53-70-3Dibenzo(a,h)anthracene  | 10 | U |
| 191-24-2Benzo(g,h,i)perylene   | 10 | U |
|                                |    |   |

FORM I SV-1

1 INORGANIC ANALYSIS DATA SHEET

| EDA | SAMP  | TE | NO  |
|-----|-------|----|-----|
| ErA | SAINE | LE | no. |

UG/L

| Lab Name:        | MITKEM_CORPO | RATION    | <br>Contract: | <b></b>    | [     | RPMW-1    | 61    |
|------------------|--------------|-----------|---------------|------------|-------|-----------|-------|
| Lab Code:        | MITKEM       | Case No.: | <br>SAS No.   | :          | \$    | SDG No.:  | A1620 |
| Matrix (soil/wat | er):         | WATER_    |               | Lab Sampl  | e ID: | A1620-02  | 2D    |
| Level (low/med)  | k:           | MED       |               | Date Recei | ved:  | 11/08/02_ |       |
|                  |              |           |               |            |       |           |       |

% Solids:

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

С CAS No. Q М Analyte Concentration 7429-90-5\_ Aluminum NR 7440-36-0 Antimony\_ NR NR \_7440-38-2\_ Arsenic\_ \_7440-39-3\_ Barium\_ NR. NR \_7440-41-7\_ Beryllium\_ \_7440-43-9\_ Cadmium\_ NR Calcium\_ 122000\_ P\_ 7440-70-2\_ Chromium\_ NR \_7440-47-3\_ NR 7440-48-4\_ Cobalt\_ \_Copper\_ NR 7440-50-8\_ 189\_ **P**\_ \_7439-89-6\_ Iron NR \_7439-92-1\_ Lead \_7439-95-4\_ Magnesium. NR 7439-96-5\_ Manganese 32.2 **P**\_ NR \_7439-97-6\_ Mercury\_ NR \_7440-02-0\_ Nickel P\_ Potassium\_ 12100 \_7440-09-7\_ NR 7782-49-2 Selenium\_ NR \_7440-22-4\_ Silver\_ \_7440-23-5\_ Sodium\_ 174000 **P**\_ \_7440-28-0\_ NR Thallium\_ 7440-62-2\_ Vanadium. NR NR 7440-66-6\_ Zinc\_ U. CA Cyanide\_ 5.0\_

| Color Before:        | - <u>-</u>      | Clarity Before: | <br>Texture:   |  |
|----------------------|-----------------|-----------------|----------------|--|
| Color After:         | _ <b>_</b>      | Clarity After:  | <br>Artifacts: |  |
| Comments:<br>TOTAL_N | AETALS_FOR_SAMP | LE_RPMW-161     | <br>           |  |
|                      |                 |                 | <br>           |  |

SW846

1

| 1                             |                |
|-------------------------------|----------------|
|                               | EPA SAMPLE NO. |
| INORGANIC ANALYSIS DATA SHEET |                |
|                               |                |

UG/L

| Lab Name: MITKEM_CORPORATION |        | Contract: |  |         | RPMW- | 61        |           |       |  |
|------------------------------|--------|-----------|--|---------|-------|-----------|-----------|-------|--|
| Lab Code:                    | MITKEM | Case No.: |  | SAS No. | :     | <u></u>   | SDG No.:  | A1620 |  |
| Matrix (soil/wat             | er):   | WATER     |  |         | Lab S | ample ID: | A1620-02  | 2E    |  |
| Level (low/med)              | ):     | MED       |  |         | Date  | Received: | 11/08/02_ |       |  |
|                              |        |           |  |         |       |           |           |       |  |

% Solids:

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

CAS No. С Concentration Q Μ Analyte 7429-90-5\_ Aluminum\_ NR Antimony\_ 7440-36-0\_ NR NR \_7440-38-2\_ Arsenic\_ \_7440-39-3\_ Barium NR. \_7440-41-7\_ Beryllium\_ NR NR \_7440-43-9\_ Cadmium\_ NR \_7440-70-2\_ Calcium\_ Chromium NR \_7440-47-3 \_7440-48-4\_ NR \_Cobalt\_ \_7440-50-8\_ NR \_Copper\_ NR \_7439-89-6\_ Iron. Lead\_ NR. \_7439-92-1\_ \_7439-95-4\_ NR. Magnesium\_ \_7439-96-5\_ Manganese\_ .34.6\_ P\_ NR. \_7439-97-6\_ Mercury\_ \_7440-02-0\_ Nickel NR \_7440-09-7\_ Potassium\_ NR. 7782-49-2 Selenium\_ NR. NR Silver \_\_7440-22-4\_ \_7440-23-5\_ Sodium\_ NR \_7440-28-0\_ Thallium\_ NR. \_7440-62-2\_ Vanadium NR. NR. \_7440-66-6\_ Zinc\_ NR Cyanide\_

| Color Before:       |                  | Clarity Before: |      | Texture:   |       |
|---------------------|------------------|-----------------|------|------------|-------|
| Color After:        |                  | Clarity After:  |      | Artifacts: |       |
| Comments:<br>DISSOL | VED_METALS_FOR_S | GAMPLE_RPMW-161 |      |            |       |
|                     |                  | FORM I          | - IN |            | SW846 |

# **Mitkem Corporation**

CLIENT:GEI Consultants, Inc.Client Sample ID:RPMW-16ILab ID:A1620-02

**Project:** Keyspan **Collection Date:** 11/07/02 11:00

Date: 26-Nov-02

Concelion Date: 11/07/02 11.00

| Analyses                        | Result  | Qual L      | imit  | Units      | DF | Date Analyze   | d |
|---------------------------------|---------|-------------|-------|------------|----|----------------|---|
| NITROGEN (NITRATE) BY AUTOMATED | CD RED  | J E353.2_NO | 3     |            |    |                |   |
| Nitrate-N                       | ND      | _           | 0.50  | mg/L       | 10 | 11/12/02 15:17 |   |
| ALKALINITY BY TITRATION METHOD  |         | SM2320_W    |       |            |    |                |   |
| Alkalinity, Total (As CaCO3)    | 160     | -           | 20    | mg/L CaCO3 | 1  | 11/12/02 16:41 |   |
| FERROUS IRON BY PHENANTHROLINE  | METHO   | ) SM3500D F | E2 M  | i          |    |                |   |
| Ferrous Iron – Dissolved        | ND      | -           | 20    | mg/L       | 2  | 11/08/02 12:32 |   |
| Ferrous Iron                    | ND      |             | 20    | mg/L       | 2  | 11/08/02 12:32 |   |
| FERROUS IRON BY PHENANTHROLINE  | METHO   | ) SM3500D_F | E3_V  | 1          |    |                |   |
| Ferric Iron Dissolved           | ND      | _           | 20    | mg/L       | 2  | 11/08/02 12:32 |   |
| Ferric Iron                     | ND      |             | 20    | mg/L       | 2  | 11/08/02 12:32 |   |
| PHOSPHATE_TOTAL BY ASCORBIC AC  | ID METH | SM4500_PC   | 04 W  |            |    |                |   |
| Phosphate (As PO4)              | 0.44    | _           | 0.060 | mg/L       | 1  | 11/25/02 12:35 |   |
| SULFATE BY TURBIDIMETRIC METHOD | )       | SM4500_SC   | 04 W  |            |    |                |   |
| Sulfate                         | 130     | -           | 70    | mg/L       | 10 | 11/12/02 16:39 | • |

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

**DF** - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Limit - Reporting Limit

#### LABORATORY TEST RESULTS

Date: 12/09/2002

#### PROJECT: WATER QUALITY ANALYS 28 - S. ... e e . КĈ., ATTN: Ben Dodge CUSTOMER: Mitkem Corporation 10 5

Customer Sample ID: RPMW-161 Date Sampled.....: 11/07/2002 Time Sampled....: 11:00 Sample Matrix....: Water

Job Number: 203740

Laboratory Sample ID: 203740-2 Date Received.....: 11/21/2002 Time Received.....: 10:30

| TEST METHOD   | PARAMETER/TEST DESCRIPTION | SAMPLE RESULT |    | REPORTING LIMIT | UNITS | DATE     | TEC |
|---------------|----------------------------|---------------|----|-----------------|-------|----------|-----|
| A300.0 PartA  | Bromide                    | 1.05          |    | 0.050           | mg/L  | 11/22/02 | гwe |
| A300.0 PartA  | Chloride                   | 389           |    | 10              | mg/L  | 11/22/02 | rwe |
| A300.0 PartA  | Sulfate                    | 86.6          |    | 20              | mg/L  | 11/22/02 | rwe |
| A300.0 PartA  | Nitrate as N (NO3-N)       | ND            | U  | 0.050           | mg/L  | 11/22/02 | rwe |
| SM18 4500I    | Iodide                     | ND            | ีย | J 0.120         | mg/L  | 12/05/02 | rwe |
|               | Phosphorous, Total as P    |               |    |                 |       |          |     |
|               |                            |               |    |                 |       |          |     |
|               |                            |               |    |                 |       |          |     |
| n Descriptior | n = Dry Wgt. Page 3        |               |    |                 |       |          |     |

NY DOH 10843 NH DES 253901-A NELAP NY10843

MADEP MA014

RIDOH57 CTDPH 0494 VT DECWSD

TRENT

SERVICES

STL Westfield 53 Southampton Rd. Westfield, MA 01085 Tel: (413) 572-4000 Fax: (413) 572-3707

STL Billerica 149 Rangeway Rd. N. Billerica, MA 01862 Tel: (978) 667-1400 Fax: (978) 667-7871

011

#### 1A

EPA SAMPLE NO.

1

ľ

VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: MITKEM CORPORATION   | Contract:                                      |
|--|--|
| Lab Code: MITKEM Case No.:   | SAS No.: SDG No.: A1379                        |
| Matrix: (soil/water) WATER   | Lab Sample ID: A1379-11A                       |
| Sample wt/vol: 5.000 (g/mL) ML   | Lab File ID: V3A6598                           |
| Level: (low/med) LOW   | Date Received: 09/20/02                        |
| * Moisture: not dec  | Date Analyzed: 09/29/02                        |
| GC Column: RTX-502.2 ID: 0.53 (mm)   | Dilution Factor: 100.0                         |
| Soil Extract Volume:(uL)   | Soil Aliquot Volume:(uL)                       |
| CAS NO. COMPOUND   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) UG/L Q |
| 71-43-2Benzene<br>108-88-3Toluene<br>100-41-4Ethylbenzene<br>1330-20-7Xylene (Total) | 1500<br>160<br>4700<br>540                     |

.

### EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

RPMW-17S Contract: Lab Name: MITKEM CORPORATION SDG No.: A1379 SAS No.: Case No.: Lab Code: MITKEM Lab Sample ID: A1379-11C Matrix: (soil/water) WATER Lab File ID: S1D1130 1000 (q/mL) MLSample wt/vol: Date Received: 09/20/02 LOW Level: (low/med) Date Extracted:09/23/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 09/27/02 Concentrated Extract Volume: 1000(uL) Dilution Factor: 3.0 Injection Volume: 1.0 (uL) GPC Cleanup: (Y/N) N pH: \_\_\_\_ CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

| 91-20-3Naphthalene             | 270                                    |     |
|--------------------------------|--|-----|
| 91-57-62-Methylnaphthalene     | 30                                     |     |
| 208-96-8Acenaphthylene         | 30                                     | U   |
| 83-32-9Acenaphthene            | 30                                     | U   |
| 132-64-9Dibenzofuran           | 30                                     | U   |
| 86-73-7Fluorene                | 30                                     | U   |
| 85-01-8Phenanthrene            | 30                                     | υ   |
|                                | 30                                     | ט ו |
| 120-12-7Anthracene             | 30                                     |     |
| 206-44-0Fluoranthene           | 30                                     |     |
| 129-00-0Pyrene                 | 30                                     |     |
| 56-55-3Benzo (a) anthracene    | 30                                     | 1 1 |
| 218-01-9Chrysene               | 30                                     |     |
| 205-99-2Benzo (b) fluoranthene | 30                                     |     |
| 207-08-9Benzo(k)fluoranthene   |  |     |
| 50-32-8Benzo (a) pyrene        | 30                                     |     |
| 193-39-5Indeno(1,2,3-cd)pyrene | 30                                     | - 1 |
| 53-70-3Dibenzo(a,h)anthracene  | 30                                     | -   |
| 191-24-2Benzo(g,h,i)perylene   | 30                                     | U   |
|                                |  |     |
|                                | ······································ |     |

## FORM I SV-1

| I                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |

EPA SAMPLE NO.

|                 |             |           |           |               | RPMW-    | 17S     |   |
|-----------------|-------------|-----------|-----------|---------------|----------|---------|---|
| Lab Name:       | MITKEM_COR  | PORATION  | Contract: | -             |          |         | 1 |
| Lab Code:       | MITKEM      | Case No.: | SAS No.:  |               | SDG No.: | A1379   |   |
| Matrix (soil/wa | nter):      | WATER_    | L         | ab Sample ID: | A1379-1  | 1D      |   |
| Level (low/med  | <b>i</b> ): | MED       | D         | ate Received: | 09/20/02 | <u></u> |   |
| % Solids:       |             |           |           |               |          |         |   |

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

------

UG/L

| CAS No.    | Analyte   | Concentration | C | Q | М    |
|------------|-----------|---------------|---|---|------|
| _7429-90-5 | Aluminum  |               |   |   | NR   |
| _7440-36-0 | Antimony  |               |   |   | NR   |
| 7440-38-2  | Arsenic   |               |   |   | NR   |
| 7440-39-3  |           | 2             |   |   | NR   |
| _7440-41-7 | Beryllium |               |   |   | NR   |
| _7440-43-9 | Cadmium   | <u>.</u>      |   |   | NR   |
| _7440-70-2 | Calcium   |               |   |   | NR   |
| _7440-47-3 | Chromium  |               |   |   | _ NR |
| _7440-48-4 | Cobalt    |               |   |   | NR   |
| _7440-50-8 | Copper    |               |   |   | NR   |
| _7439-89-6 |           |               |   |   | NR   |
| _7439-92-1 | Lead      |               |   |   | _ NR |
| _7439-95-4 | Magnesium |               |   |   | _NR  |
| 7439-96-5  | -         |               |   |   | NR   |
| 7439-97-6  |           |               |   |   | NR   |
| _7440-02-0 | Nickel    |               |   |   | NR   |
| 7440-09-7  |           |               |   |   | 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   |
|            | Cyanide   | 19.4          | B |   | CA   |

| Color Bef | ore: | <br>Cla | rity Before: | <br>Texture:   |                          |
|-----------|------|---------|--------------|----------------|--------------------------|
| Color Aft | er:  | <br>Cla | rity After:  | <br>Artifacts: |                          |
| Comment   | s:   |         |              | <br>           |                          |
| -         |      | <br>    |              |                | ere a mensikak arteren a |
| -         |      | <br>    |              | <br>           |                          |
| -         |      | <br>    |              | <br>           |                          |

FORM I - IN

SW846

| VOLATILE              | 1A<br>ORGANICS ANALYSI | s data sheet | EPA SAMPLE NO. |
|-----------------------|------------------------|--------------|----------------|
| Lab Name: MITKEM CORI | PORATION               | Contract:    | RPMW-17I       |
| Lab Code: MITKEM (    | Case No.:              | SAS No.: SI  | DG No.: A1379  |
| Matrix: (soil/water)  | WATER                  | Lab Sample : | ID: A1379-14A  |
| Sample wt/vol:        | 5.000 (g/mL) ML        | Lab File ID  | V3A6605        |
| Level: (low/med)      | LOW                    | Date Receive | ed: 09/20/02   |
| * Moisture: not dec.  |                        | Date Analyze | ed: 09/30/02   |

Dilution Factor: 1.0

CONCENTRATION UNITS:

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

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

Q

GC Column: RTX-502.2 ID: 0.53 (mm)

COMPOUND

71-43-2-----Benzene 108-88-3----Toluene 100-41-4----Ethylbenzene 1330-20-7----Xylene (Total)

Soil Extract Volume: (uL)

CAS NO.

FORM I VOA

.

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

**RPMW-171** Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: A1379 Matrix: (soil/water) WATER Lab Sample ID: A1379-14C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1D1089 Level: (low/med) LOW Date Received: 09/20/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:09/23/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/25/02 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND

----

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

5/L

| ŧ |   | 1 | 6 |  |
|---|---|---|---|--|
|   | h | ć |   |  |
|   |   |   |   |  |

| J                              |    | ·   |
|--------------------------------|----|-----|
| 91-20-3Naphthalene             | 10 | υ   |
| 91-57-62-Methylnaphthalene     | 10 | υ   |
| 208-96-8Acenaphthylene         | 10 | υ   |
| 83-32-9Acenaphthene            | 10 | υ   |
| 132-64-9Dibenzofuran           | 10 | ט ט |
| 86-73-7Fluorene                | 10 | υ   |
| 85-01-8Phenanthrene            | 10 | υ   |
| 120-12-7Anthracene             | 10 | υ   |
| 206-44-0Fluoranthene           | 10 | U   |
| 129-00-0Pyrene                 | 10 | U   |
| 56-55-3Benzo (a) anthracene    | 10 | U   |
| 218-01-9Chrysene               | 10 | υ / |
| 205-99-2Benzo(b) fluoranthene  | 10 | ע   |
| 207-08-9Benzo(k)fluoranthene   | 10 | U   |
| 50-32-8Benzo(a)pyrene          | 10 | U   |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10 | υļ  |
| 53-70-3Dibenzo(a,h)anthracene  | 10 | U   |
| 191-24-2Benzo(g,h,i)perylene   | 10 | ט 🛛 |
|                                |    | ļ   |

|                 |           | INORGANIC A | I<br>INORGANIC ANALYSIS DATA SHEET |                |  |
|-----------------|-----------|-------------|------------------------------------|----------------|--|
| Lab Name:       | MITKEM_CO | RPORATION   | Contract:                          | RPMW-17I       |  |
| Lab Code:       | MITKEM    | Case No.:   | SAS No.:                           | SDG No.: A1379 |  |
| Matrix (soil/wa | ater):    | WATER _     | Lab Sample ID:                     | A1379-14D      |  |
| Level (low/me   | d):       | MED         | Date Received:                     | 09/20/02       |  |
| % Solids:       |           |             |                                    |                |  |

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

UG/L

| CAS No. | Analyte   | Concentration | С | Q | М  |
|---------|-----------|---------------|---|---|----|
| 29-90-5 | Aluminum  |               |   |   | NR |
| 40-36-0 |           |               |   |   | NR |
| 40-38-2 | Arsenic   |               |   |   | NR |
| 40-39-3 | Barium    | I             |   |   | NR |
| 40-41-7 | Beryllium |               |   |   | NR |
| 40-43-9 | Cadmium   |               |   |   | NR |
| 40-70-2 |           |               |   |   | NR |
| 40-47-3 | Chromium  |               |   |   | NR |
| 40-48-4 | Cobalt    |               |   |   | NR |
| 40-50-8 |           |               |   |   | NR |
| 39-89-6 | Iron      |               |   |   | NR |
| 39-92-1 | Lead      |               |   |   | NR |
| 39-95-4 | Magnesium |               |   |   | NR |
| 39-96-5 | Manganese |               |   |   | NR |
| 39-97-6 | Mercury   |               |   |   | NR |
| 40-02-0 | Nickel    |               |   |   | NR |
| 40-09-7 |           |               |   |   | NR |
| 82-49-2 | Selenium  |               |   |   | NR |
| 40-22-4 |           |               |   |   | NR |
| 40-23-5 |           |               |   |   | NR |
| 40-28-0 |           |               |   |   | NR |
| 40-62-2 | Vanadium  |               |   |   | NR |
| 40-66-6 | Zinc      |               |   |   | NR |
|         | Cyanide   |               | B |   | CA |
| ++      |           |               |   |   |    |

| Color Bef | ore: | <br>Clarity Before:                    | and an a particular state of the state of th | Texture:   |          |
|-----------|------|--|--|------------|----------|
| Color Aft | er:  | <br>Clarity After:                     |  | Artifacts: |          |
| Comment   | s:   |  |  |            | <b>.</b> |
| -         |      |  |  |            |          |
| -         |      | ······································ |  |            |          |
|           |      | <br>                                   |  |            |          |

FORM I - IN

SW846

## 1A

-----

EPA SAMPLE NO.

| VOLATILE ORGANICS ANALYSIS DATA SHEET |
|---------------------------------------|
|                                       |

| _                    | -               |                                     | ·                                      |
|----------------------|-----------------|-------------------------------------|--|
| Lab Name: MITKEM COR | PORATION        | Contract:                           | RPMW-17D                               |
| Lab Code: MITKEM     | Case No.:       | SAS No.:                            | SDG No.: A1379                         |
| Matrix: (soil/water) | WATER           | Lab Sample                          | E ID: A1379-12A                        |
| Sample wt/vol:       | 5.000 (g/mL) ML | Lab File I                          | D: V3A6599                             |
| Level: (low/med)     | LOW             | Date Recei                          | .ved: 09/20/02                         |
| * Moisture: not dec. |                 | Date Analy                          | zed: 09/29/02                          |
| GC Column: RTX-502.2 | ID: 0.53 (mm)   | Dilution F                          | actor: 1.0                             |
| Soil Extract Volume: | (uL)            | Soil Aliqu                          | ot Volume:(uI                          |
| CAS NO.              | COMPOUND        | CONCENTRATION UN<br>(ug/L or ug/Kg) |  |
|                      |                 |                                     | 1 U<br>1 U<br>1 U<br>1 U<br>1 U<br>1 U |

.

••

#### EPA SAMPLE NO.

**1B** SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.:

LOW

RPMW-17D Contract: SDG No.: A1379 SAS No.: Lab Sample ID: A1379-12C Lab File ID: S1D1087 1000 (g/mL) ML Date Received: 09/20/02 Date Extracted:09/23/02 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Analyzed: 09/25/02 1000 (uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.

Lab Name: MITKEM CORPORATION

Concentrated Extract Volume:

Injection Volume: 1.0(uL)

Matrix: (soil/water) WATER

Lab Code: MITKEM

Sample wt/vol:

Level: (low/med)

COMPOUND

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

Q

| 91-20-3Naphthalene             | 10 | ש      |
|--------------------------------|----|--------|
| 91-57-62-Methylnaphthalene     | 10 | ប      |
| 208-96-8Acenaphthylene         | 10 | U      |
| 83-32-9Acenaphthene            | 10 | U      |
| 132-64-9Dibenzofuran           | 10 | U      |
| 86-73-7Fluorene                | 10 | ប      |
| 85-01-8Phenanthrene            | 10 | U      |
| 120-12-7Anthracene             | 10 | υ      |
| 206-44-0Fluoranthene           | 10 | ប      |
|                                | 10 | U      |
| 129-00-0Pyrene                 | 10 | υ      |
| 56-55-3Benzo (a) anthracene    | 10 |        |
| 218-01-9Chrysene               | 10 | Ū      |
| 205-99-2Benzo(b) fluoranthene  | 10 | -      |
| 207-08-9Benzo(k)fluoranthene   | 10 | -      |
| 50-32-8Benzo (a) pyrene        | 10 | _      |
| 193-39-5Indeno(1,2,3-cd)pyrene |    | -      |
| 53-70-3Dibenzo(a,h)anthracene  |    | U<br>U |
| 191-24-2Benzo(g,h,i)perylene   | 10 | 0      |
|                                |    |        |

|                  |              | 1<br>INORGANIC ANALYSIS DATA SHEET |   | EPA SAMPLE NO. |                |          |       |
|------------------|--------------|------------------------------------|---|----------------|----------------|----------|-------|
| Lab Name:        | MITKEM_CORPO | DRATION.                           | - | Contract:      |                | RPMW-1   | 7D    |
| Lab Code:        | MITKEM       | Case No.:                          |   | SAS No.:       |                | SDG No.: | A1379 |
| Matrix (soil/wat | er):         | WATER                              |   |                | Lab Sample ID: | A1379-1  | 2D    |
| Level (low/med   | ):           | MED                                |   |                | Date Received: | 09/20/02 |       |
|                  |              |                                    |   |                |                |          |       |

% Solids:

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

\_\_\_\_

UG/L

| CAS No.   | Analyte   | Concentration | C | Q | M     |
|-----------|-----------|---------------|---|---|-------|
| 7429-90-5 | Aluminum  |               |   |   |       |
| 7440-36-0 | Antimony  |               |   |   |       |
| 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 |           |               |   |   | 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  | <u> </u>      |   |   | _ .NR |
| 7440-62-2 | Vanadium  |               |   |   | NR    |
| 7440-66-6 | Zinc      |               |   |   | NR    |
|           | Cyanide   | 5.2           | B |   | CA    |

| Color Before:                          |   | Clarity Before: |   | Texture:   |                       |
|--|---|-----------------|---|------------|-----------------------|
| Color After:                           | <b>→7</b> ··································· | Clarity After:  | t | Artifacts: |                       |
| Comments:                              |   |                 |   |            |                       |
| ······································ |   |                 |   |            |                       |
|  |   |                 |   |            |                       |
|  |   |                 |   |            |                       |
|  |   |                 |   |            | · · <del> · · ·</del> |

SW846

#### 1A

EPA SAMPLE NO.

I

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: MITKEM CORPORATION   | Contract:     | RPMW-18I                   |
|--|---------------|----------------------------|
| Lab Code: MITKEM Case No.  | : SAS No.:    | SDG No.: A1369             |
| Matrix: (soil/water) WATER   | Lab           | Sample ID: A1369-14A       |
| Sample wt/vol: 5.000 (   | g/mL) ML Lab  | File ID: V3A6613           |
| Level: (low/med) LOW   | Date          | Received: 09/19/02         |
| <pre>% Moisture: not dec</pre>                                       | Date          | Analyzed: 09/30/02         |
| GC Column: RTX-502.2 ID: 0.53  | 3 (mm) Dilu   | tion Factor: 20.0          |
| Soil Extract Volume:   | (uL) Soil     | Aliquot Volume:(uL)        |
| CAS NO. COMPO  | CONCENTRAT    | ION UNITS:<br>g/Kg) UG/L Q |
| 71-43-2Benzer<br>108-88-3Toluer<br>100-41-4Ethylk<br>1330-20-7Xylene | ne<br>benzene | 38<br>20<br>770<br>360     |

- ------- . ....

000086

\_\_\_\_\_

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

RPMW-18I Lab Name: MITKEM CORPORATION Contract: SAS No.: Lab Code: MITKEM Case No.: SDG No.: A1369 Matrix: (soil/water) WATER Lab Sample ID: A1369-14C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S1D1153 Level: (low/med) LOW Date Received: 09/19/02 % Moisture: decanted: (Y/N) Date Extracted:09/19/02 Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/28/02 Injection Volume: 1.0(uL) Dilution Factor: 20.0 GPC Cleanup: (Y/N) N pH: \_\_\_

CAS NO.

\_ \_

COMPOUND

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

Q

|                                | ······                            | · · · · · · · · · · · · · · · · · · · |
|--------------------------------|-----------------------------------|---------------------------------------|
| 91-20-3Naphthalene             | 3200                              |                                       |
| 91-57-62-Methylnaphthalene     | 200                               |                                       |
| 208-96-8Acenaphthylene         | 20                                | J                                     |
| 83-32-9Acenaphthene            | 320                               |                                       |
| 132-64-9Dibenzofuran           | 200                               | U                                     |
| 86-73-7Fluorene                | 55                                | J                                     |
| 85-01-8Phenanthrene            | 68                                | J                                     |
| 120-12-7Anthracene             | 200                               | υ                                     |
| 206-44-0Fluoranthene           | 200                               | U                                     |
| 129-00-0Pyrene                 | 200                               | υ                                     |
| 56-55-3Benzo(a)anthracene      | 200                               | υ                                     |
| 218-01-9Chrysene               | 200                               | υ                                     |
| 205-99-2Benzo(b) fluoranthene  | 200                               | υ                                     |
| 207-08-9Benzo(k) fluoranthene  | 200                               | υ                                     |
| 50-32-8Benzo(a)pyrene          | 200                               | υÍ                                    |
| 193-39-5Indeno(1,2,3-cd)pyrene | 200                               | Ū                                     |
| 53-70-3Dibenzo(a,h)anthracene  | 200                               | υl                                    |
| 191-24-2Benzo(q,h,i)perylene   | 200                               | υ                                     |
|                                |                                   |                                       |
|                                | · · _ · _ · _ · _ · _ · _ · _ · _ |                                       |

FORM I SV-1

| 1                             |
|-------------------------------|
| INORGANIC ANALYSIS DATA SHEET |
|                               |

EPA SAMPLE NO.

| Lab Name:        | MITKEM_CORPO | ORATION   |          | Contract: |                | RPMW-    | 181   |
|------------------|--------------|-----------|----------|-----------|----------------|----------|-------|
| Lab Code:        | MITKEM       | Case No.: | <u> </u> | SAS No.   |                | SDG No.: | A1369 |
| Matrix (soil/wat | er):         | WATER_    |          |           | Lab Sample ID: | A1369-1  | 4B    |
| Level (low/med   | ):           | MED       |          |           | Date Received: | 09/19/02 |       |
|                  |              |           |          |           |                |          |       |

% Solids:

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

\_\_\_\_\_

UG/L

| CAS No.    | Analyte   | Concentration | C | Q              | М        |
|------------|-----------|---------------|---|----------------|----------|
|            |           |               |   |                |          |
| 7429-90-5  | Aluminum  |               |   |                |          |
| _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 |               |   |                | <u> </u> |
| _7439-96-5 | Manganese |               |   |                | NR       |
| _7439-97-6 | Mercury   |               |   |                | NR       |
| _7440-02-0 | Nickel    |               |   | <del>.</del> . | NR       |
| 7440-09-7  | Potassium |               |   |                | _ NR     |
| _7782-49-2 | Selenium  |               |   |                | NR       |
| _7440-22-4 | Silver    |               |   |                | NR       |
| _7440-23-5 | Sodium    |               |   |                | _ NR     |
|            | Thallium  |               |   | . <u></u>      | NR       |
|            | Vanadium  |               |   |                | NR       |
| _7440-66-6 | Zinc      |               |   |                | NR       |
|            | Cyanide   | 14.0          | B |                | _CA      |

| Color Bei | ore:       | <br>Clarity Before: | <br>Texture:   | <u> </u> |
|-----------|------------|---------------------|----------------|----------|
| Color Aft | er:        | <br>Clarity After:  | <br>Artifacts: |          |
| Comment   | <b>š</b> : |                     | <br>           |          |
| -         |            | <br>                | <br>           |          |
|           |            |                     | <br>           |          |
| -         |            | <br>                | <br>           |          |

FORM I - IN

- - - -- --

SW846

000400

## 1A

EPA SAMPLE NO.

11

-1

|          | -        | L4 4     |      |       |
|----------|----------|----------|------|-------|
| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |

| Lab Name: MITKEM CORPORAT                            | 'ION Contrac        | t:                                  | RPMW-18D        |
|--|---------------------|-------------------------------------|-----------------|
| Lab Code: MITKEM Case                                | No.: SAS No         | .: SDG                              | No.: A1379      |
| Matrix: (soil/water) WATE                            | R                   | Lab Sample ID                       | : A1379-08A     |
| Sample wt/vol: 5.00                                  | 0 (g/mL) ML         | Lab File ID:                        | V3A6644         |
| Level: (low/med) LOW                                 |                     | Date Received                       | : 09/20/02      |
| <pre>% Moisture: not dec</pre>                       |                     | Date Analyzed                       | : 10/01/02      |
| GC Column: RTX-502.2 ID:                             | 0.53 (mm)           | Dilution Facto                      | or: 1.0         |
| Soil Extract Volume:                                 | (uL)                | Soil Aliquot V                      | /olume:(uL)     |
| CAS NO. CO   |                     | ENTRATION UNITS<br>L or ug/Kg) UG/I | -               |
| 71-43-2Be<br>108-88-3To<br>100-41-4Et<br>1330-20-7Xy | luene<br>hylbenzene |                                     | 1 U<br>1 U<br>2 |

.

• •

\_ \_\_\_

\_ ---- -

EPA SAMPLE NO.

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

RPMW-18D

| Lab Name: MITKEM CORPORATION Contract  | t:                       |
|--|--------------------------|
| Lab Code: MITKEM Case No.: SAS No.     | .: SDG No.: A1379        |
| Matrix: (soil/water) WATER             | Lab Sample ID: A1379-08C |
| Sample wt/vol: 1000 (g/mL) ML          | Lab File ID: S1D1135     |
| Level: (low/med) LOW                   | Date Received: 09/20/02  |
| <pre>% Moisture: decanted: (Y/N)</pre> | Date Extracted:09/23/02  |
| Concentrated Extract Volume: 1000(uL)  | Date Analyzed: 09/27/02  |
| Injection Volume: 1.0(uL)              | Dilution Factor: 1.0     |
| GPC Cleanup: (Y/N) N pH:               |                          |
| CONT                                   |                          |

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

Q

|                                |    | 1          |
|--------------------------------|----|------------|
| 91-20-3Naphthalene             | 36 | l          |
| 91-57-62-Methylnaphthalene     | 9  | J          |
| 208-96-8Acenaphthylene         | 14 | [ <u> </u> |
| 83-32-9Acenaphthene            | 2  | 1 -        |
| 132-64-9Dibenzofuran           | 10 | -          |
| 86-73-7Fluorene                | 5  | J          |
| 85-01-8Phenanthrene            | 11 |            |
| 120-12-7Anthracene             | 2  | J          |
| 206-44-0Fluoranthene           | 10 | -          |
| 129-00-0Pyrene                 |    | J          |
| 56-55-3Benzo(a)anthracene      | 10 | -          |
| 218-01-9Chrysene               | 10 |            |
| 205-99-2Benzo(b)fluoranthene   | 10 | -          |
| 207-08-9Benzo(k)fluoranthene   | 10 | -          |
| 50-32-8Benzo(a)pyrene          | 10 | -          |
| 193-39-5Indeno(1,2,3-cd)pyrene | 10 | -          |
| 53-70-3Dibenzo(a,h)anthracene  | 10 | -          |
| 191-24-2Benzo(g,h,i)perylene   | 10 | U          |
|                                |    |            |

| 1                  |      |       |
|--------------------|------|-------|
| INORGANIC ANALYSIS | DATA | SHEET |

EPA SAMPLE NO. RPMW-18D ī. MITKEM\_CORPORATION Contract: Lab Name: i ... \_ \_ .......... SAS No.: SDG No.: A1379\_\_\_\_ Lab Code: MITKEM Case No.: A1379-08D\_\_\_\_\_ Lab Sample ID: Matrix (soil/water): WATER\_ Date Received: 09/20/02\_\_\_\_ Level (low/med): MED\_\_\_\_

% Solids:

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

UG/L

| 429-90-5<br>440-36-0<br>440-38-2<br>440-39-3<br>440-41-7 |  |  |   |                        | NR                     |   |
|--|--|--|---|------------------------|------------------------|---|
| 440-38-2<br>440-39-3                                     | Arsenic  |  | i   |                        |                        |   |
| 440-39-3   |  |  |   |                        | NR                     |   |
|  |  |  |   |                        | NR                     |   |
| 440-41-7   | Barium   |  |   |                        | NR                     |   |
|  | Beryllium  |  |   |                        | NR                     |   |
| 440-43-9   | Cadmium  |  |   |                        |                        |   |
| 440-70-2   | Calcium  |  |   |                        |                        |   |
| 440-47-3   | Chromium   |  |   |                        | NR                     |   |
| 440-48-4   | Cobalt   |  |   |                        | NR                     |   |
| 440-50-8   | Copper   |  |   |                        | NR                     |   |
| 439-89-6   | Iron   |  |   |                        | NR                     |   |
| 439-92-1   |  |  |   |                        | NR                     |   |
| 439-95-4   | Magnesium  |  |   |                        | NR                     |   |
| 439-96-5   |  |  |   |                        | NR                     |   |
| 439-97-6   |  |  |   |                        | NR                     |   |
| 440-02-0   | Nickel   |  |   |                        | NR                     |   |
| 440-09-7   | Potassium  |  |   |                        | NR                     |   |
| 782-49-2   | Selenium   |  |   | ··                     | NR                     |   |
| 440-22-4   | Silver   |  |   |                        | NR                     |   |
| 440-23-5   | Sodium   |  |   | <u></u>                | NR                     |   |
| 440-28-0   | Thallium   |  |   |                        |                        |   |
| 440-62-2   | Vanadium   |  |   |                        |                        |   |
| 440-66-6   | Zinc   |  |   |                        | NR                     |   |
|  |  |  | B   |                        | CA                     |   |
|  |  |  |   |                        | _! <u></u>             |   |
|  |  | Clarity Before:  |   | <b></b>                |                        | Text  |
|  | 440-70-2<br>440-47-3<br>440-48-4<br>440-50-8<br>439-89-6<br>439-92-1<br>439-95-4<br>439-95-4<br>439-97-6<br>440-02-0<br>440-09-7<br>782-49-2<br>440-23-5<br>440-23-5<br>440-23-5<br>440-66-6<br>440-66-6 | 440-70-2       Calcium         440-47-3       Chromium         440-48-4       Cobalt         440-48-4       Cobalt         440-50-8       Copper         439-89-6       Iron         439-92-1       Lead         439-95-4       Magnesium         439-96-5       Manganese         439-96-5       Mercury         440-02-0       Nickel         440-09-7       Potassium         782-49-2       Selenium         440-23-5       Sodium         440-28-0       Thallium         440-66-6       Zinc         Cyanide       Cyanide | 440-70-2       Calcium         440-47-3       Chromium         440-48-4       Cobalt         440-48-4       Cobalt         440-50-8       Copper         439-89-6       Iron         439-92-1       Lead         439-95-4       Magnesium         439-96-5       Magnese         439-97-6       Mercury         440-02-0       Nickel         440-22-4       Silver         440-23-5       Sodium         440-23-5       Sodium         440-66-6       Zinc         Cyanide       6.6 | 440-70-2       Calcium | 440-70-2       Calcium | 10 13 9       Calcium       NR         440-70-2       Calcium       NR         440-47-3       Chromium       NR         440-48-4       Cobalt       NR         440-50-8       Copper       NR         439-89-6       Iron       NR         439-92-1       Lead       NR         439-95-4       Magnesium       NR         439-96-5       Magnesium       NR         439-96-6       Magnesium       NR         439-96-7       Magnesium       NR         439-96-6       Magnesium       NR         439-96-5       Magnesium       NR         439-97-6       Mercury       NR         439-97-6       Mercury       NR         440-02-0       Nickel       NR         440-02-0       Nickel       NR         440-22-4       Silver       NR         440-22-4       Silver       NR         440-23-5       Sodium       NR         440-66-6       Zinc       NR         440-66-6       Zinc       NR         440-66-6       Zinc       NR         440-66-6       Zinc       NR         Clarity Befo |

Comments:

FORM I - IN

-----

SW846

. . . .