



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

December 17, 2008

TVGA Consultants  
100 Maple Road  
Elma, NY 14059  
Attn: Mr. James C. Manzella

Client Project: Former Edgewood Warehouse  
Lab Workorder: G2087

Dear Mr. Manzella:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

Please call if you have any questions. We appreciate your business.

Sincerely,

A handwritten signature in cursive script that reads "Agnes R. Huntley".

Agnes R. Huntley  
CLP Project Manager



**\* Data Summary Pack \***

# Mitkem Laboratories

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

**Project Name :** Edgewood Warehouse Sediments

**SDG :** G2087

| Customer<br>Sample ID | Laboratory<br>Sample ID | Analytical Requirements |                    |                 |              |          |
|-----------------------|-------------------------|-------------------------|--------------------|-----------------|--------------|----------|
|                       |                         | MSVOA<br>Method #       | MSSEMI<br>Method # | GC*<br>Method # | ME           | Other    |
| FEW-SED-7-SED-0       | G2087-01                | OLM4.2_VOA_LOW_S        | OLM4.2_SVOA_MED_S  | SW8082_S        | ILM4.1_HG_S  | SEE DATA |
| FEW-SED-7-SED-0       | G2087-01                |                         |                    |                 | ILM4.1_ICP_S |          |
| FEW-SED-8-SED-0       | G2087-02                | OLM4.2_VOA_LOW_S        | OLM4.2_SVOA_MED_S  | SW8082_S        | ILM4.1_HG_S  | SEE DATA |
| FEW-SED-8-SED-0       | G2087-02                |                         |                    |                 | ILM4.1_ICP_S |          |
| FEW-SED-9-SED-0       | G2087-03                | OLM4.2_VOA_LOW_S        | OLM4.2_SVOA_S      | SW8082_S        | ILM4.1_HG_S  | SEE DATA |
| FEW-SED-9-SED-0       | G2087-03                |                         |                    |                 | ILM4.1_ICP_S |          |

# Mitkem Laboratories

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

Project Name : Edgewood Warehouse Sediments

SDG : G2087

| Laboratory<br>Sample ID | Matrix | Date<br>Collected | Date Received<br>By Lab | Date<br>Extracted | Date<br>Analyzed |
|-------------------------|--------|-------------------|-------------------------|-------------------|------------------|
| OLM4.2_VOA_LOW_S        |        |                   |                         |                   |                  |
| G2087-01C               | SL     | 11/10/2008        | 11/11/2008              | NA                | 11/15/2008       |
| G2087-01CRE             | SL     | 11/10/2008        | 11/11/2008              | NA                | 11/19/2008       |
| G2087-02C               | SL     | 11/10/2008        | 11/11/2008              | NA                | 11/15/2008       |
| G2087-02CRE             | SL     | 11/10/2008        | 11/11/2008              | NA                | 11/19/2008       |
| G2087-03C               | SL     | 11/10/2008        | 11/11/2008              | NA                | 11/15/2008       |
| G2087-03CRE             | SL     | 11/10/2008        | 11/11/2008              | NA                | 11/19/2008       |

# Mitkem Laboratories

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

Project Name : Edgewood Warehouse Sediments

SDG : G2087

| Laboratory<br>Sample ID | Matrix | Date<br>Collected | Date Received<br>By Lab | Date<br>Extracted | Date<br>Analyzed |
|-------------------------|--------|-------------------|-------------------------|-------------------|------------------|
| OLM4.2_SVOA_MED_S       |        |                   |                         |                   |                  |
| G2087-01A               | SL     | 11/10/2008        | 11/11/2008              | 11/20/2008        | 11/26/2008       |
| G2087-01ADL             | SL     | 11/10/2008        | 11/11/2008              | 11/20/2008        | 12/1/2008        |
| G2087-02A               | SL     | 11/10/2008        | 11/11/2008              | 11/20/2008        | 11/26/2008       |
| G2087-02ADL             | SL     | 11/10/2008        | 11/11/2008              | 11/20/2008        | 12/4/2008        |
| OLM4.2_SVOA_S           |        |                   |                         |                   |                  |
| G2087-03A               | SL     | 11/10/2008        | 11/11/2008              | 11/15/2008        | 11/19/2008       |
| G2087-03ADL             | SL     | 11/10/2008        | 11/11/2008              | 11/15/2008        | 11/19/2008       |

# Mitkem Laboratories

## New York State Department of Environmental Conservation Sample Preparation and Analysis Summary GC\*

Project Name : Edgewood Warehouse Sediments

SDG : G2087

| Laboratory<br>Sample ID | Matrix | Date<br>Collected | Date Received<br>By Lab | Date<br>Extracted | Date<br>Analyzed |
|-------------------------|--------|-------------------|-------------------------|-------------------|------------------|
| SW8082_S                |        |                   |                         |                   |                  |
| G2087-01A               | SL     | 11/10/2008        | 11/11/2008              | 11/14/2008        | 11/18/2008       |
| G2087-02A               | SL     | 11/10/2008        | 11/11/2008              | 11/14/2008        | 11/18/2008       |
| G2087-03A               | SL     | 11/10/2008        | 11/11/2008              | 11/14/2008        | 11/18/2008       |

# Mitkem Laboratories

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

Project Name : Edgewood Warehouse Sediments

SDG : G2087

| Laboratory<br>Sample ID | Matrix | Analytical<br>Protocol | Extraction<br>Method | Low/Medium<br>Level | Dil/Conc<br>Factor |
|-------------------------|--------|------------------------|----------------------|---------------------|--------------------|
| OLM4.2_VOA_LOW_S        |        |                        |                      |                     |                    |
| G2087-01C               | SL     | LM4.2_VOA_LOW_         | NA                   | LOW                 | 1                  |
| G2087-01CRE             | SL     | LM4.2_VOA_LOW_         | NA                   | LOW                 | 1                  |
| G2087-02C               | SL     | LM4.2_VOA_LOW_         | NA                   | LOW                 | 1                  |
| G2087-02CRE             | SL     | LM4.2_VOA_LOW_         | NA                   | LOW                 | 1                  |
| G2087-03C               | SL     | LM4.2_VOA_LOW_         | NA                   | LOW                 | 1                  |
| G2087-03CRE             | SL     | LM4.2_VOA_LOW_         | NA                   | LOW                 | 1                  |

# Mitkem Laboratories

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

Project Name : Edgewood Warehouse Sediments

SDG : G2087

| Laboratory<br>Sample ID | Matrix | Analytical<br>Protocol | Extraction<br>Method | Auxiliary<br>Cleanup | Dil/Conc<br>Factor |
|-------------------------|--------|------------------------|----------------------|----------------------|--------------------|
| OLM4.2_SVOA_MED_S       |        |                        |                      |                      |                    |
| G2087-01A               | SL     | M4.2_SVOA_MED          | 3550B                | GPC                  | 1                  |
| G2087-01ADL             | SL     | M4.2_SVOA_MED          | 3550B                | GPC                  | 50                 |
| G2087-02A               | SL     | M4.2_SVOA_MED          | 3550B                | GPC                  | 1                  |
| G2087-02ADL             | SL     | M4.2_SVOA_MED          | 3550B                | GPC                  | 100                |
| OLM4.2_SVOA_S           |        |                        |                      |                      |                    |
| G2087-03A               | SL     | OLM4.2_SVOA_S          | 3550B                | GPC                  | 1                  |
| G2087-03ADL             | SL     | OLM4.2_SVOA_S          | 3550B                | GPC                  | 3                  |



# Mitkem Laboratories

## New York State Department of Environmental Conservation Sample Preparation and Analysis Summary GC\*

Project Name : Edgewood Warehouse Sediments

SDG : G2087

| Laboratory<br>Sample ID | Matrix | Analytical<br>Protocol | Extraction<br>Method | Auxiliary<br>Cleanup | Dil/Conc<br>Factor |
|-------------------------|--------|------------------------|----------------------|----------------------|--------------------|
| SW8082_S                |        |                        |                      |                      |                    |
| G2087-01A               | SL     | SW8082_S               | 3550B                | Acid/Sulfur          | 1                  |
| G2087-02A               | SL     | SW8082_S               | 3550B                | Acid/Sulfur          | 1                  |
| G2087-03A               | SL     | SW8082_S               | 3550B                | Acid/Sulfur          | 1                  |

# Mitkem Laboratories

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

Project Name : Edgewood Warehouse Sediments

SDG : G2087

| Laboratory<br>Sample ID | Matrix | Metals<br>Requested | Date Received<br>By Lab | Date<br>Analyzed |
|-------------------------|--------|---------------------|-------------------------|------------------|
| ILM4.1_HG_S             |        |                     |                         |                  |
| G2087-01B               | SL     | ILM4.1_HG_S         | 11/11/2008              | 11/12/2008       |
| G2087-02B               | SL     | ILM4.1_HG_S         | 11/11/2008              | 11/12/2008       |
| G2087-03B               | SL     | ILM4.1_HG_S         | 11/11/2008              | 11/12/2008       |
| G2087-03BDUP            | SL     | ILM4.1_HG_S         | 11/11/2008              | 11/12/2008       |
| G2087-03BMS             | SL     | ILM4.1_HG_S         | 11/11/2008              | 11/12/2008       |
| ILM4.1_ICP_S            |        |                     |                         |                  |
| G2087-01B               | SL     | ILM4.1_ICP_S        | 11/11/2008              | 11/14/2008       |
| G2087-02B               | SL     | ILM4.1_ICP_S        | 11/11/2008              | 11/14/2008       |
| G2087-03B               | SL     | ILM4.1_ICP_S        | 11/11/2008              | 11/14/2008       |
| G2087-03BDUP            | SL     | ILM4.1_ICP_S        | 11/11/2008              | 11/14/2008       |
| G2087-03BMS             | SL     | ILM4.1_ICP_S        | 11/11/2008              | 11/14/2008       |

Analytical Data Package for TVGA Consultants.

Client Project: Former Edgewood Warehouse

Mitkem Work Order ID: G2087

December 17, 2008

Prepared For: TVGA Consultants  
100 Maple Road  
Elma, NY 14059  
Attn: Mr. James C. Manzella

Prepared By: Mitkem Laboratories  
175 Metro Center Boulevard  
Warwick, RI 02886  
(401) 732-3400

## SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to TVGA Consultants' Former Edgewood Warehouse project. Under this deliverable, analysis results are presented for three soil samples that were received on November 11, 2008. Analyses were performed per specification in the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

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

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

### 1. Overall observation:

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

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

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

### 2. Volatile Analysis:

Trap used for instrument V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

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

Surrogate recovery: recoveries were within the QC limits with the exception of high recovery of toluene-d8 in samples FEW-SED-7-SED-0, FEW-SED-8-SED-0 and FEW-SED-9-SED-0. Matrix interference confirmed on surrogate recoveries for samples FEW-SED-7-SED-0, FEW-SED-8-SED-0 and FEW-SED-9-SED-0 as the samples were re-analyzed with similar findings.

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

Sample analysis: internal standard area counts were within QC limits with the exception of samples FEW-SED-7-SED-0, FEW-SED-8-SED-0 and FEW-SED-9-SED-0. Matrix interference confirmed on internal standard area counts for samples FEW-SED-7-SED-0, FEW-SED-8-SED-0 and FEW-SED-9-SED-0, as the samples were re-analyzed with similar findings. No other unusual observation was made for the analysis.

### 3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 µm film thickness) DB-5MS capillary column

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

Surrogate recovery: recoveries were within the QC limits with the exception of surrogates diluted out in the diluted analysis for samples FEW-SED-7-SED-0 and FEW-SED-8-SED-0.

Lab control sample/lab control sample duplicate: spike recoveries were within the QC limits with the exception of low recovery of pyrene in S3OLCS. Replicate RPDs were within the QC limits with the exception of phenol, acenaphthene, pentachlorophenol and pyrene in S3OLCS/S3OLCSD.

Sample analysis: internal standard area counts were within QC criteria with the exception of samples FEW-SED-7-SED-0, FEW-SED-8-SED-0 and FEW-SED-9-SED-0. The samples were re-analyzed at dilution with internal standard area counts within QC criteria. Due to the high concentration of target analytes, samples FEW-SED-7-SED-0 and FEW-SED-8-SED-0 were extracted and analyzed by the medium-level approach. To ensure that all target analytes were determined within the instrument calibration range, the following samples were re-analyzed at dilution: FEW-SED-7-SED-0 (50x), FEW-SED-8-SED-0 (100x) and FEW-SED-9-SED-0 (3x). No other unusual observation was made for the analysis.

#### 4. PCB Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception of low recovery of tetrachloro-m-xylene and decachlorobiphenyl in one column for sample FEW-SED-7-SED-0, low recovery of tetrachloro-m-xylene in one column for sample FEW-SED-8-SED-0 and low recovery of decachlorobiphenyl in one column and high recovery in the other column for sample FEW-SED-9-SED-0.

Lab control sample/lab control sample duplicate: spike recoveries and replicate RPDs were within the QC limits.

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

#### 5. Metals Analysis:

Mercury was analyzed using a Perkin Elmer Model 100 FIMS cold vapor atomic absorption analyzer. The other elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

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

Matrix spike: matrix spike analysis was performed on sample FEW-SED-9-SED-0. Spike recoveries were within the QC limits with the exception of antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, manganese, nickel, silver, thallium, vanadium, zinc and mercury. Antimony, arsenic, barium, beryllium, cobalt, nickel, thallium, vanadium and mercury are flagged with an "N" on the data report forms. A post digest spike was performed and reported for antimony, arsenic, barium, beryllium, cobalt, nickel, thallium and vanadium. The spike for cadmium, chromium, copper, lead, manganese, silver and zinc could not be accurately determined, as the sample concentration was significantly greater than the spike concentration. When the sample concentration is more than four times the spike concentration, it tends to obscure the relatively smaller spike amount; control limits do not apply in this circumstance.

Duplicate analysis: duplicate analysis was performed on sample FEW-SED-9-SED-0. Replicate RPDs were within the QC limits with the exception of cadmium, chromium, lead and nickel. These elements are flagged with an "\*" on the data report forms.

Sample analysis: serial dilution analysis was performed on FEW-SED-9-SED-0. Percent differences were within the QC limits with the exception of iron. Iron is qualified with an "E" on the data report forms. Zinc was detected in method blank MB-40030 at 4.25mg/Kg, which is above the reporting limit of 4.0mg/Kg. As zinc was detected in all the associated samples at a concentration greater than four times the blank concentration, the samples were not re-prepped. No other unusual observation was made for the analysis.

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

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

A handwritten signature in cursive script, reading "Agnes R. Huntley". The signature is written in black ink and is positioned above the printed name.

Agnes Huntley  
CLP Project Manager  
12/17/08

## ALKANE NARRATIVE REPORT

Report Date: 12/12/2008

SDG: MG2087

|                                 |                          |                    |
|---------------------------------|--------------------------|--------------------|
| Client Sample ID: FEW-SED-7-SED | Lab Sample ID: G2087-01A | File ID: S3F4195.D |
| Compound                        | RT                       | Est. Conc.         |
| Cyclic Alkane                   | 10.422                   | 110000             |

|                                 |                          |                    |
|---------------------------------|--------------------------|--------------------|
| Client Sample ID: FEW-SED-8-SED | Lab Sample ID: G2087-02A | File ID: S3F4196.D |
| Compound                        | RT                       | Est. Conc.         |
| Cyclic Alkane                   | 10.432                   | 130000             |

|                                 |                            |                    |
|---------------------------------|----------------------------|--------------------|
| Client Sample ID: FEW-SED-9-SED | Lab Sample ID: G2087-03ADL | File ID: S1F8958.D |
| Compound                        | RT                         | Est. Conc.         |
| Straight-chain Alkane           | 15.658                     | 220                |



# Mitkem Laboratories

24/Nov/08 11:23

WorkOrder: G2087

Client ID: TVGA

Project: Edgewood Warehouse Sediments

Location:

Case:

SDG:

PO: 2008.0011.00

HC Due: 12/02/08

Fax Due: 11/18/08

Report Level: ASP-B

EDD: TVGA\_STD

Comments: Surcharges: ASP-B package 10%, 5-day TAT 20%, 7-day TAT 15% and 10-day TAT 10%

| Sample ID | HS Client Sample ID | Collection Date  | Date Recv'd | Matrix | Test Code         | Lab Test Comments | Hold                                | MS                       | SEL                                 | Storage |
|-----------|---------------------|------------------|-------------|--------|-------------------|-------------------|-------------------------------------|--------------------------|-------------------------------------|---------|
| G2087-01A | FEW-SED-7-SED-0     | 11/10/2008 10:15 | 11/11/2008  | Soil   | OLM4.2_PH         | NYS-Add LCS       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
|           |                     |                  |             |        | OLM4.2_SVOA_MED_S | NYS-Add LCS       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
|           |                     |                  |             |        | OLM4.2_SVOA_S     | NYS-Add LCS       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
|           |                     |                  |             |        | PMoist            |                   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
|           |                     |                  |             |        | SW8082_S          |                   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
| G2087-01B | FEW-SED-7-SED-0     | 11/10/2008 10:15 | 11/11/2008  | Soil   | ILM4.1_HG_S       | ILM               | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
|           |                     |                  |             |        | ILM4.1_JCP_S      | ILM               | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | A5      |
| G2087-01C | FEW-SED-7-SED-0     | 11/10/2008 10:15 | 11/11/2008  | Soil   | OLM4.2_VOA_LOW_S  | NYS-Add LCS       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | VOA     |
| G2087-02A | FEW-SED-8-SED-0     | 11/10/2008 11:15 | 11/11/2008  | Soil   | OLM4.2_PH         | NYS-Add LCS       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | A2      |
|           |                     |                  |             |        | OLM4.2_SVOA_MED_S | NYS-Add LCS       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | A2      |
|           |                     |                  |             |        | OLM4.2_SVOA_S     | NYS-Add LCS       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | A2      |
|           |                     |                  |             |        | PMoist            |                   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | A2      |
|           |                     |                  |             |        | SW8082_S          |                   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | A2      |
| G2087-02B | FEW-SED-8-SED-0     | 11/10/2008 11:15 | 11/11/2008  | Soil   | ILM4.1_HG_S       | ILM               | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
|           |                     |                  |             |        | ILM4.1_JCP_S      | ILM               | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | A5      |

Client Rep: Agnes R Ng

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# Mitkem Laboratories

24/Nov/08 11:23

WorkOrder: G2087

Client ID: TVGA

Project: Edgewood Warehouse Sediments

Location:

Case:

SDG:

PO: 2008.0011.00

HC Due: 12/02/08

Fax Due: 11/18/08

Report Level: ASP-B

EDD: TVGA\_STD

Comments: Surcharges: ASP-B package 10%, 5-day TAT 20%, 7-day TAT 15% and 10-day TAT 10%

| Sample ID | HS Client Sample ID | Collection Date  | Date Recv'd | Matrix | Test Code        | Lab Test Comments | Hold                     | MS                       | SEL                                 | Storage |
|-----------|---------------------|------------------|-------------|--------|------------------|-------------------|--------------------------|--------------------------|-------------------------------------|---------|
| G2087-02C | FEW-SED-8-SED-0     | 11/10/2008 11:15 | 11/11/2008  | Soil   | OLM4.2_VOA_LOW_S | NYS-Add LCS       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | VOA     |
| G2087-03A | FEW-SED-9-SED-0     | 11/10/2008 12:00 | 11/11/2008  | Soil   | OLM4.2_PH        | NYS-Add LCS       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
|           |                     |                  |             |        | OLM4.2_SVOA_S    | NYS-Add LCS       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
|           |                     |                  |             |        | PMoist           |                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
|           |                     |                  |             |        | SW8082_S         |                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
| G2087-03B | FEW-SED-9-SED-0     | 11/10/2008 12:00 | 11/11/2008  | Soil   | ILM4.1_HG_S      | ILM               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | A5      |
|           |                     |                  |             |        | ILM4.1_JCP_S     | ILM               | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | A5      |
| G2087-03C | FEW-SED-9-SED-0     | 11/10/2008 12:00 | 11/11/2008  | Soil   | OLM4.2_VOA_LOW_S | NYS-Add LCS       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | VOA     |

SSSS

Client Rep: Agnes R Ng

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1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
FEW-SED-7-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01C  
Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G2652.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 32 Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.    | COMPOUND                              | CONCENTRATION UNITS: |       |
|------------|---------------------------------------|----------------------|-------|
|            |                                       | (ug/L or ug/Kg)      | UG/KG |
| 75-71-8    | Dichlorodifluoromethane               | 14                   | U     |
| 74-87-3    | Chloromethane                         | 14                   | U     |
| 75-01-4    | Vinyl chloride                        | 14                   | U     |
| 74-83-9    | Bromomethane                          | 14                   | U     |
| 75-00-3    | Chloroethane                          | 14                   | U     |
| 75-69-4    | Trichlorofluoromethane                | 14                   | U     |
| 75-35-4    | 1,1-Dichloroethene                    | 14                   | U     |
| 76-13-1    | 1,1,2-Trichloro-1,2,2-trifluoroethane | 14                   | U     |
| 67-64-1    | Acetone                               | 14                   | U     |
| 75-15-0    | Carbon disulfide                      | 7.1                  | J     |
| 79-20-9    | Methyl acetate                        | 14                   | U     |
| 75-09-2    | Methylene chloride                    | 14                   | U     |
| 156-60-5   | trans-1,2-Dichloroethene              | 14                   | U     |
| 1634-04-4  | Methyl tert-butyl ether               | 14                   | U     |
| 75-34-3    | 1,1-Dichloroethane                    | 14                   | U     |
| 156-59-2   | cis-1,2-Dichloroethene                | 14                   | U     |
| 78-93-3    | 2-Butanone                            | 14                   | U     |
| 67-66-3    | Chloroform                            | 14                   | U     |
| 71-55-6    | 1,1,1-Trichloroethane                 | 14                   | U     |
| 110-82-7   | Cyclohexane                           | 14                   | U     |
| 56-23-5    | Carbon tetrachloride                  | 14                   | U     |
| 71-43-2    | Benzene                               | 14                   | U     |
| 107-06-2   | 1,2-Dichloroethane                    | 14                   | U     |
| 79-01-6    | Trichloroethene                       | 14                   | U     |
| 108-87-2   | Methylcyclohexane                     | 14                   | U     |
| 78-87-5    | 1,2-Dichloropropane                   | 14                   | U     |
| 75-27-4    | Bromodichloromethane                  | 14                   | U     |
| 10061-01-5 | cis-1,3-Dichloropropene               | 14                   | U     |
| 108-10-1   | 4-Methyl-2-pentanone                  | 14                   | U     |
| 108-88-3   | Toluene                               | 14                   | U     |
| 10061-02-6 | trans-1,3-Dichloropropene             | 14                   | U     |
| 79-00-5    | 1,1,2-Trichloroethane                 | 14                   | U     |
| 127-18-4   | Tetrachloroethene                     | 14                   | U     |
| 591-78-6   | 2-Hexanone                            | 14                   | U     |
| 124-48-1   | Dibromochloromethane                  | 14                   | U     |

EPA OLM

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1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
FEW-SED-7-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01C  
Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G2652.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 32 Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.   | COMPOUND                    | CONCENTRATION UNITS: |       |
|-----------|-----------------------------|----------------------|-------|
|           |                             | (ug/L or ug/Kg)      | UG/KG |
| 106-93-4  | 1,2-Dibromoethane           | 14                   | U     |
| 108-90-7  | Chlorobenzene               | 14                   | U     |
| 100-41-4  | Ethylbenzene                | 14                   | U     |
| 1330-20-7 | Xylene (Total)              | 14                   | U     |
| 100-42-5  | Styrene                     | 14                   | U     |
| 75-25-2   | Bromoform                   | 14                   | U     |
| 98-82-8   | Isopropylbenzene            | 14                   | U     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   | 14                   | U     |
| 541-73-1  | 1,3-Dichlorobenzene         | 14                   | U     |
| 106-46-7  | 1,4-Dichlorobenzene         | 14                   | U     |
| 95-50-1   | 1,2-Dichlorobenzene         | 14                   | U     |
| 96-12-8   | 1,2-Dibromo-3-chloropropane | 14                   | U     |
| 120-82-1  | 1,2,4-Trichlorobenzene      | 14                   | U     |

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
FEW-SED-7-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01C  
Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G2652.D  
Level: (TRACE or LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 32 Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

| CAS NUMBER           | COMPOUND NAME | RT  | EST. CONC. | Q |
|----------------------|---------------|-----|------------|---|
| E966796 <sup>1</sup> | Total Alkanes | N/A |            |   |

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FEW-SED-7-SED-0R  
X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01CRE  
Sample wt/vol: 5.30 (g/mL) G Lab File ID: V6G2811.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 32 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.    | COMPOUND                              | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | UG/KG | Q |
|------------|---------------------------------------|-----------------------------------------|-------|---|
| 75-71-8    | Dichlorodifluoromethane               |                                         | 14    | U |
| 74-87-3    | Chloromethane                         |                                         | 14    | U |
| 75-01-4    | Vinyl chloride                        |                                         | 14    | U |
| 74-83-9    | Bromomethane                          |                                         | 14    | U |
| 75-00-3    | Chloroethane                          |                                         | 14    | U |
| 75-69-4    | Trichlorofluoromethane                |                                         | 14    | U |
| 75-35-4    | 1,1-Dichloroethene                    |                                         | 14    | U |
| 76-13-1    | 1,1,2-Trichloro-1,2,2-trifluoroethane |                                         | 14    | U |
| 67-64-1    | Acetone                               |                                         | 14    | U |
| 75-15-0    | Carbon disulfide                      |                                         | 14    | U |
| 79-20-9    | Methyl acetate                        |                                         | 14    | U |
| 75-09-2    | Methylene chloride                    |                                         | 14    | U |
| 156-60-5   | trans-1,2-Dichloroethene              |                                         | 14    | U |
| 1634-04-4  | Methyl tert-butyl ether               |                                         | 14    | U |
| 75-34-3    | 1,1-Dichloroethane                    |                                         | 14    | U |
| 156-59-2   | cis-1,2-Dichloroethene                |                                         | 14    | U |
| 78-93-3    | 2-Butanone                            |                                         | 14    | U |
| 67-66-3    | Chloroform                            |                                         | 14    | U |
| 71-55-6    | 1,1,1-Trichloroethane                 |                                         | 14    | U |
| 110-82-7   | Cyclohexane                           |                                         | 14    | U |
| 56-23-5    | Carbon tetrachloride                  |                                         | 14    | U |
| 71-43-2    | Benzene                               |                                         | 14    | U |
| 107-06-2   | 1,2-Dichloroethane                    |                                         | 14    | U |
| 79-01-6    | Trichloroethene                       |                                         | 14    | U |
| 108-87-2   | Methylcyclohexane                     |                                         | 14    | U |
| 78-87-5    | 1,2-Dichloropropane                   |                                         | 14    | U |
| 75-27-4    | Bromodichloromethane                  |                                         | 14    | U |
| 10061-01-5 | cis-1,3-Dichloropropene               |                                         | 14    | U |
| 108-10-1   | 4-Methyl-2-pentanone                  |                                         | 14    | U |
| 108-88-3   | Toluene                               |                                         | 14    | U |
| 10061-02-6 | trans-1,3-Dichloropropene             |                                         | 14    | U |
| 79-00-5    | 1,1,2-Trichloroethane                 |                                         | 14    | U |
| 127-18-4   | Tetrachloroethene                     |                                         | 14    | U |
| 591-78-6   | 2-Hexanone                            |                                         | 14    | U |
| 124-48-1   | Dibromochloromethane                  |                                         | 14    | U |

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0012

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FEW-SED-7-SED-0R  
X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01CRE  
Sample wt/vol: 5.30 (g/mL) G Lab File ID: V6G2811.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 32 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.   | COMPOUND                    | CONCENTRATION UNITS: |       |
|-----------|-----------------------------|----------------------|-------|
|           |                             | (ug/L or ug/Kg)      | UG/KG |
| 106-93-4  | 1,2-Dibromoethane           | 14                   | U     |
| 108-90-7  | Chlorobenzene               | 14                   | U     |
| 100-41-4  | Ethylbenzene                | 14                   | U     |
| 1330-20-7 | Xylene (Total)              | 14                   | U     |
| 100-42-5  | Styrene                     | 14                   | U     |
| 75-25-2   | Bromoform                   | 14                   | U     |
| 98-82-8   | Isopropylbenzene            | 14                   | U     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   | 14                   | U     |
| 541-73-1  | 1,3-Dichlorobenzene         | 14                   | U     |
| 106-46-7  | 1,4-Dichlorobenzene         | 14                   | U     |
| 95-50-1   | 1,2-Dichlorobenzene         | 14                   | U     |
| 96-12-8   | 1,2-Dibromo-3-chloropropane | 14                   | U     |
| 120-82-1  | 1,2,4-Trichlorobenzene      | 14                   | U     |

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0013

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FEW-SED-7-SED-0R  
X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01CRE  
Sample wt/vol: 5.30 (g/mL) G Lab File ID: V6G2811.D  
Level: (TRACE or LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 32 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

| CAS NUMBER                         | COMPOUND NAME                           | RT     | EST. CONC. | Q  |
|------------------------------------|-----------------------------------------|--------|------------|----|
| 01                                 | Unknown-01                              | 13.030 | 7.3        | J  |
| 02                                 | Unknown-02                              | 13.231 | 22         | J  |
| 03                                 | Unknown-03                              | 13.876 | 22         | J  |
| 04                                 | Unknown-04                              | 13.979 | 11         | J  |
| 05                                 | Unknown-05                              | 14.314 | 12         | J  |
| 06                                 | Unknown-06                              | 14.417 | 14         | J  |
| 07                                 | Unknown-07                              | 14.575 | 21         | J  |
| 08                                 | Unknown-08                              | 14.654 | 16         | J  |
| 09                                 | Unknown-09                              | 14.727 | 12         | J  |
| 10                                 | Unknown-10                              | 14.782 | 9.7        | J  |
| 11                                 | Unknown-11                              | 14.995 | 14         | J  |
| 12                                 | Unknown-12                              | 15.080 | 16         | J  |
| 13                                 | Unknown-13                              | 15.129 | 29         | J  |
| 14                                 | Unknown-14                              | 15.184 | 17         | J  |
| 15                                 | Unknown-15                              | 15.403 | 12         | J  |
| 16                                 | 000214-98-3 1,3,4-Trimethyladamantane   | 15.494 | 32         | NJ |
| 17                                 | Unknown-16                              | 15.549 | 17         | J  |
| 18                                 | Unknown-17                              | 15.609 | 15         | J  |
| 19                                 | Unknown-18                              | 15.646 | 17         | J  |
| 20                                 | Unknown-19                              | 15.701 | 18         | J  |
| 21                                 | Unknown-20                              | 15.780 | 19         | J  |
| 22                                 | Unknown-21                              | 16.443 | 22         | J  |
| 23                                 | 80655-44-3 Decahydro-4,4,8,9,10-pentame | 16.729 | 55         | NJ |
| 24                                 | Unknown-22                              | 17.331 | 19         | J  |
| 25                                 | Unknown-23                              | 17.684 | 15         | J  |
| E966796 <sup>1</sup> Total Alkanes |                                         | N/A    |            |    |

<sup>1</sup>EPA-designated Registry Number.



1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FEW-SED-8-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02C  
Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G2653.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 29 Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.    | COMPOUND                              | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | UG/KG | Q |
|------------|---------------------------------------|-----------------------------------------|-------|---|
| 75-71-8    | Dichlorodifluoromethane               | 14                                      | U     |   |
| 74-87-3    | Chloromethane                         | 14                                      | U     |   |
| 75-01-4    | Vinyl chloride                        | 14                                      | U     |   |
| 74-83-9    | Bromomethane                          | 14                                      | U     |   |
| 75-00-3    | Chloroethane                          | 14                                      | U     |   |
| 75-69-4    | Trichlorofluoromethane                | 14                                      | U     |   |
| 75-35-4    | 1,1-Dichloroethene                    | 14                                      | U     |   |
| 76-13-1    | 1,1,2-Trichloro-1,2,2-trifluoroethane | 14                                      | U     |   |
| 67-64-1    | Acetone                               | 7.8                                     | J     |   |
| 75-15-0    | Carbon disulfide                      | 14                                      | U     |   |
| 79-20-9    | Methyl acetate                        | 14                                      | U     |   |
| 75-09-2    | Methylene chloride                    | 6.6                                     | J     |   |
| 156-60-5   | trans-1,2-Dichloroethene              | 14                                      | U     |   |
| 1634-04-4  | Methyl tert-butyl ether               | 14                                      | U     |   |
| 75-34-3    | 1,1-Dichloroethane                    | 14                                      | U     |   |
| 156-59-2   | cis-1,2-Dichloroethene                | 19                                      |       |   |
| 78-93-3    | 2-Butanone                            | 14                                      | U     |   |
| 67-66-3    | Chloroform                            | 16                                      |       |   |
| 71-55-6    | 1,1,1-Trichloroethane                 | 14                                      | U     |   |
| 110-82-7   | Cyclohexane                           | 14                                      | U     |   |
| 56-23-5    | Carbon tetrachloride                  | 11                                      | J     |   |
| 71-43-2    | Benzene                               | 14                                      | U     |   |
| 107-06-2   | 1,2-Dichloroethane                    | 14                                      | U     |   |
| 79-01-6    | Trichloroethene                       | 14                                      | U     |   |
| 108-87-2   | Methylcyclohexane                     | 14                                      | U     |   |
| 78-87-5    | 1,2-Dichloropropane                   | 14                                      | U     |   |
| 75-27-4    | Bromodichloromethane                  | 14                                      | U     |   |
| 10061-01-5 | cis-1,3-Dichloropropene               | 14                                      | U     |   |
| 108-10-1   | 4-Methyl-2-pentanone                  | 14                                      | U     |   |
| 108-88-3   | Toluene                               | 11                                      | J     |   |
| 10061-02-6 | trans-1,3-Dichloropropene             | 14                                      | U     |   |
| 79-00-5    | 1,1,2-Trichloroethane                 | 14                                      | U     |   |
| 127-18-4   | Tetrachloroethene                     | 2.9                                     | J     |   |
| 591-78-6   | 2-Hexanone                            | 14                                      | U     |   |
| 124-48-1   | Dibromochloromethane                  | 14                                      | U     |   |

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0015

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
FEW-SED-8-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02C  
Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G2653.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 29 Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.   | COMPOUND                    | CONCENTRATION UNITS: |       |
|-----------|-----------------------------|----------------------|-------|
|           |                             | (ug/L or ug/Kg)      | UG/KG |
| 106-93-4  | 1,2-Dibromoethane           | 14                   | U     |
| 108-90-7  | Chlorobenzene               | 14                   | U     |
| 100-41-4  | Ethylbenzene                | 14                   | U     |
| 1330-20-7 | Xylene (Total)              | 3.3                  | J     |
| 100-42-5  | Styrene                     | 14                   | U     |
| 75-25-2   | Bromoform                   | 14                   | U     |
| 98-82-8   | Isopropylbenzene            | 14                   | U     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   | 14                   | U     |
| 541-73-1  | 1,3-Dichlorobenzene         | 14                   | U     |
| 106-46-7  | 1,4-Dichlorobenzene         | 14                   | U     |
| 95-50-1   | 1,2-Dichlorobenzene         | 14                   | U     |
| 96-12-8   | 1,2-Dibromo-3-chloropropane | 14                   | U     |
| 120-82-1  | 1,2,4-Trichlorobenzene      | 14                   | U     |

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.  
FEW-SED-8-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02C  
Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G2653.D  
Level: (TRACE or LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 29 Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

| CAS NUMBER           | COMPOUND NAME | RT  | EST. CONC. | Q |
|----------------------|---------------|-----|------------|---|
| E966796 <sup>1</sup> | Total Alkanes | N/A |            |   |

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-8-SED-0R  
X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02CRE  
Sample wt/vol: 5.30 (g/mL) G Lab File ID: V6G2810.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 29 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.    | COMPOUND                              | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | UG/KG | Q |
|------------|---------------------------------------|-----------------------------------------|-------|---|
| 75-71-8    | Dichlorodifluoromethane               |                                         | 13    | U |
| 74-87-3    | Chloromethane                         |                                         | 13    | U |
| 75-01-4    | Vinyl chloride                        |                                         | 13    | U |
| 74-83-9    | Bromomethane                          |                                         | 13    | U |
| 75-00-3    | Chloroethane                          |                                         | 13    | U |
| 75-69-4    | Trichlorofluoromethane                |                                         | 13    | U |
| 75-35-4    | 1,1-Dichloroethene                    |                                         | 13    | U |
| 76-13-1    | 1,1,2-Trichloro-1,2,2-trifluoroethane |                                         | 13    | U |
| 67-64-1    | Acetone                               |                                         | 13    | U |
| 75-15-0    | Carbon disulfide                      |                                         | 13    | U |
| 79-20-9    | Methyl acetate                        |                                         | 4.9   | J |
| 75-09-2    | Methylene chloride                    |                                         | 6.8   | J |
| 156-60-5   | trans-1,2-Dichloroethene              |                                         | 13    | U |
| 1634-04-4  | Methyl tert-butyl ether               |                                         | 13    | U |
| 75-34-3    | 1,1-Dichloroethane                    |                                         | 13    | U |
| 156-59-2   | cis-1,2-Dichloroethene                |                                         | 23    |   |
| 78-93-3    | 2-Butanone                            |                                         | 13    | U |
| 67-66-3    | Chloroform                            |                                         | 36    |   |
| 71-55-6    | 1,1,1-Trichloroethane                 |                                         | 13    | U |
| 110-82-7   | Cyclohexane                           |                                         | 13    | U |
| 56-23-5    | Carbon tetrachloride                  |                                         | 17    |   |
| 71-43-2    | Benzene                               |                                         | 13    | U |
| 107-06-2   | 1,2-Dichloroethane                    |                                         | 13    | U |
| 79-01-6    | Trichloroethene                       |                                         | 2.8   | J |
| 108-87-2   | Methylcyclohexane                     |                                         | 13    | U |
| 78-87-5    | 1,2-Dichloropropane                   |                                         | 13    | U |
| 75-27-4    | Bromodichloromethane                  |                                         | 13    | U |
| 10061-01-5 | cis-1,3-Dichloropropene               |                                         | 13    | U |
| 108-10-1   | 4-Methyl-2-pentanone                  |                                         | 13    | U |
| 108-88-3   | Toluene                               |                                         | 31    |   |
| 10061-02-6 | trans-1,3-Dichloropropene             |                                         | 13    | U |
| 79-00-5    | 1,1,2-Trichloroethane                 |                                         | 13    | U |
| 127-18-4   | Tetrachloroethene                     |                                         | 8.6   | J |
| 591-78-6   | 2-Hexanone                            |                                         | 13    | U |
| 124-48-1   | Dibromochloromethane                  |                                         | 13    | U |

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-8-SED-0R  
X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02CRE  
Sample wt/vol: 5.30 (g/mL) G Lab File ID: V6G2810.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 29 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.   | COMPOUND                    | CONCENTRATION UNITS: |       | Q |
|-----------|-----------------------------|----------------------|-------|---|
|           |                             | (ug/L or ug/Kg)      | UG/KG |   |
| 106-93-4  | 1,2-Dibromoethane           |                      | 13    | U |
| 108-90-7  | Chlorobenzene               |                      | 13    | U |
| 100-41-4  | Ethylbenzene                |                      | 13    | U |
| 1330-20-7 | Xylene (Total)              |                      | 13    | U |
| 100-42-5  | Styrene                     |                      | 13    | U |
| 75-25-2   | Bromoform                   |                      | 13    | U |
| 98-82-8   | Isopropylbenzene            |                      | 13    | U |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   |                      | 13    | U |
| 541-73-1  | 1,3-Dichlorobenzene         |                      | 13    | U |
| 106-46-7  | 1,4-Dichlorobenzene         |                      | 13    | U |
| 95-50-1   | 1,2-Dichlorobenzene         |                      | 13    | U |
| 96-12-8   | 1,2-Dibromo-3-chloropropane |                      | 13    | U |
| 120-82-1  | 1,2,4-Trichlorobenzene      |                      | 13    | U |

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FEW-SED-8-SED-0R  
X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02CRE  
Sample wt/vol: 5.30 (g/mL) G Lab File ID: V6G2810.D  
Level: (TRACE or LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 29 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

| CAS NUMBER           | COMPOUND NAME | RT    | EST. CONC. | Q |
|----------------------|---------------|-------|------------|---|
| 01                   | Unknown-01    | 2.253 | 15         | J |
| E966796 <sup>1</sup> | Total Alkanes | N/A   |            |   |

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
FEW-SED-9-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03C  
Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6G2654.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 12 Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.    | COMPOUND                              | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | UG/KG | Q |
|------------|---------------------------------------|-----------------------------------------|-------|---|
| 75-71-8    | Dichlorodifluoromethane               | 11                                      | U     |   |
| 74-87-3    | Chloromethane                         | 11                                      | U     |   |
| 75-01-4    | Vinyl chloride                        | 11                                      | U     |   |
| 74-83-9    | Bromomethane                          | 11                                      | U     |   |
| 75-00-3    | Chloroethane                          | 11                                      | U     |   |
| 75-69-4    | Trichlorofluoromethane                | 11                                      | U     |   |
| 75-35-4    | 1,1-Dichloroethene                    | 11                                      | U     |   |
| 76-13-1    | 1,1,2-Trichloro-1,2,2-trifluoroethane | 11                                      | U     |   |
| 67-64-1    | Acetone                               | 11                                      | U     |   |
| 75-15-0    | Carbon disulfide                      | 11                                      | U     |   |
| 79-20-9    | Methyl acetate                        | 11                                      | U     |   |
| 75-09-2    | Methylene chloride                    | 3.7                                     | J     |   |
| 156-60-5   | trans-1,2-Dichloroethene              | 11                                      | U     |   |
| 1634-04-4  | Methyl tert-butyl ether               | 11                                      | U     |   |
| 75-34-3    | 1,1-Dichloroethane                    | 11                                      | U     |   |
| 156-59-2   | cis-1,2-Dichloroethene                | 11                                      | U     |   |
| 78-93-3    | 2-Butanone                            | 11                                      | U     |   |
| 67-66-3    | Chloroform                            | 11                                      | U     |   |
| 71-55-6    | 1,1,1-Trichloroethane                 | 11                                      | U     |   |
| 110-82-7   | Cyclohexane                           | 11                                      | U     |   |
| 56-23-5    | Carbon tetrachloride                  | 11                                      | U     |   |
| 71-43-2    | Benzene                               | 11                                      | U     |   |
| 107-06-2   | 1,2-Dichloroethane                    | 11                                      | U     |   |
| 79-01-6    | Trichloroethene                       | 3.7                                     | J     |   |
| 108-87-2   | Methylcyclohexane                     | 11                                      | U     |   |
| 78-87-5    | 1,2-Dichloropropane                   | 11                                      | U     |   |
| 75-27-4    | Bromodichloromethane                  | 11                                      | U     |   |
| 10061-01-5 | cis-1,3-Dichloropropene               | 11                                      | U     |   |
| 108-10-1   | 4-Methyl-2-pentanone                  | 11                                      | U     |   |
| 108-88-3   | Toluene                               | 11                                      | U     |   |
| 10061-02-6 | trans-1,3-Dichloropropene             | 11                                      | U     |   |
| 79-00-5    | 1,1,2-Trichloroethane                 | 11                                      | U     |   |
| 127-18-4   | Tetrachloroethene                     | 11                                      | U     |   |
| 591-78-6   | 2-Hexanone                            | 11                                      | U     |   |
| 124-48-1   | Dibromochloromethane                  | 11                                      | U     |   |

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FEW-SED-9-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03C  
Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6G2654.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 12 Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.   | COMPOUND                    | CONCENTRATION UNITS: |       |
|-----------|-----------------------------|----------------------|-------|
|           |                             | (ug/L or ug/Kg)      | UG/KG |
| 106-93-4  | 1,2-Dibromoethane           | 11                   | U     |
| 108-90-7  | Chlorobenzene               | 11                   | U     |
| 100-41-4  | Ethylbenzene                | 11                   | U     |
| 1330-20-7 | Xylene (Total)              | 3.4                  | J     |
| 100-42-5  | Styrene                     | 11                   | U     |
| 75-25-2   | Bromoform                   | 11                   | U     |
| 98-82-8   | Isopropylbenzene            | 11                   | U     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   | 11                   | U     |
| 541-73-1  | 1,3-Dichlorobenzene         | 11                   | U     |
| 106-46-7  | 1,4-Dichlorobenzene         | 11                   | U     |
| 95-50-1   | 1,2-Dichlorobenzene         | 11                   | U     |
| 96-12-8   | 1,2-Dibromo-3-chloropropane | 11                   | U     |
| 120-82-1  | 1,2,4-Trichlorobenzene      | 11                   | U     |

EPA OLM

0022



1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FEW-SED-9-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03C  
Sample wt/vol: 5.40 (g/mL) G Lab File ID: V6G2654.D  
Level: (TRACE or LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 12 Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

| CAS NUMBER           | COMPOUND NAME | RT  | EST. CONC. | Q |
|----------------------|---------------|-----|------------|---|
| E966796 <sup>1</sup> | Total Alkanes | N/A |            |   |

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FEW-SED-9-SED-0R  
X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03CRE  
Sample wt/vol: 5.30 (g/mL) G Lab File ID: V6G2812.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 12 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.    | COMPOUND                              | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | UG/KG | Q |
|------------|---------------------------------------|-----------------------------------------|-------|---|
| 75-71-8    | Dichlorodifluoromethane               | 11                                      | U     |   |
| 74-87-3    | Chloromethane                         | 11                                      | U     |   |
| 75-01-4    | Vinyl chloride                        | 11                                      | U     |   |
| 74-83-9    | Bromomethane                          | 11                                      | U     |   |
| 75-00-3    | Chloroethane                          | 11                                      | U     |   |
| 75-69-4    | Trichlorofluoromethane                | 11                                      | U     |   |
| 75-35-4    | 1,1-Dichloroethene                    | 11                                      | U     |   |
| 76-13-1    | 1,1,2-Trichloro-1,2,2-trifluoroethane | 11                                      | U     |   |
| 67-64-1    | Acetone                               | 11                                      | U     |   |
| 75-15-0    | Carbon disulfide                      | 11                                      | U     |   |
| 79-20-9    | Methyl acetate                        | 11                                      | U     |   |
| 75-09-2    | Methylene chloride                    | 11                                      | U     |   |
| 156-60-5   | trans-1,2-Dichloroethene              | 11                                      | U     |   |
| 1634-04-4  | Methyl tert-butyl ether               | 11                                      | U     |   |
| 75-34-3    | 1,1-Dichloroethane                    | 11                                      | U     |   |
| 156-59-2   | cis-1,2-Dichloroethene                | 11                                      | U     |   |
| 78-93-3    | 2-Butanone                            | 11                                      | U     |   |
| 67-66-3    | Chloroform                            | 11                                      | U     |   |
| 71-55-6    | 1,1,1-Trichloroethane                 | 11                                      | U     |   |
| 110-82-7   | Cyclohexane                           | 11                                      | U     |   |
| 56-23-5    | Carbon tetrachloride                  | 11                                      | U     |   |
| 71-43-2    | Benzene                               | 11                                      | U     |   |
| 107-06-2   | 1,2-Dichloroethane                    | 11                                      | U     |   |
| 79-01-6    | Trichloroethene                       | 2.5                                     | J     |   |
| 108-87-2   | Methylcyclohexane                     | 11                                      | U     |   |
| 78-87-5    | 1,2-Dichloropropane                   | 11                                      | U     |   |
| 75-27-4    | Bromodichloromethane                  | 11                                      | U     |   |
| 10061-01-5 | cis-1,3-Dichloropropene               | 11                                      | U     |   |
| 108-10-1   | 4-Methyl-2-pentanone                  | 11                                      | U     |   |
| 108-88-3   | Toluene                               | 11                                      | U     |   |
| 10061-02-6 | trans-1,3-Dichloropropene             | 11                                      | U     |   |
| 79-00-5    | 1,1,2-Trichloroethane                 | 11                                      | U     |   |
| 127-18-4   | Tetrachloroethene                     | 11                                      | U     |   |
| 591-78-6   | 2-Hexanone                            | 11                                      | U     |   |
| 124-48-1   | Dibromochloromethane                  | 11                                      | U     |   |

EPA OLM

0024

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FEW-SED-9-SED-0R  
X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03CRE  
Sample wt/vol: 5.30 (g/mL) G Lab File ID: V6G2812.D  
Level: (TRACE/LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 12 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.   | COMPOUND                    | CONCENTRATION UNITS: |       |
|-----------|-----------------------------|----------------------|-------|
|           |                             | (ug/L or ug/Kg)      | UG/KG |
| 106-93-4  | 1,2-Dibromoethane           | 11                   | U     |
| 108-90-7  | Chlorobenzene               | 11                   | U     |
| 100-41-4  | Ethylbenzene                | 11                   | U     |
| 1330-20-7 | Xylene (Total)              | 11                   | U     |
| 100-42-5  | Styrene                     | 11                   | U     |
| 75-25-2   | Bromoform                   | 11                   | U     |
| 98-82-8   | Isopropylbenzene            | 11                   | U     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   | 11                   | U     |
| 541-73-1  | 1,3-Dichlorobenzene         | 11                   | U     |
| 106-46-7  | 1,4-Dichlorobenzene         | 11                   | U     |
| 95-50-1   | 1,2-Dichlorobenzene         | 11                   | U     |
| 96-12-8   | 1,2-Dibromo-3-chloropropane | 11                   | U     |
| 120-82-1  | 1,2,4-Trichlorobenzene      | 11                   | U     |

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FEW-SED-9-SED-OR  
X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03CRE  
Sample wt/vol: 5.30 (g/mL) G Lab File ID: V6G2812.D  
Level: (TRACE or LOW/MED) LOW Date Received: 11/11/2008  
% Moisture: not dec. 12 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

| CAS NUMBER           | COMPOUND NAME | RT  | EST. CONC. | Q |
|----------------------|---------------|-----|------------|---|
| E966796 <sup>1</sup> | Total Alkanes | N/A |            |   |

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6GLCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-40161  
Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2809.D  
Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_  
% Moisture: not dec. 0.0 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.    | COMPOUND                              | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | UG/KG | Q |
|------------|---------------------------------------|-----------------------------------------|-------|---|
| 75-71-8    | Dichlorodifluoromethane               | 10                                      | U     |   |
| 74-87-3    | Chloromethane                         | 10                                      | U     |   |
| 75-01-4    | Vinyl chloride                        | 10                                      | U     |   |
| 74-83-9    | Bromomethane                          | 10                                      | U     |   |
| 75-00-3    | Chloroethane                          | 10                                      | U     |   |
| 75-69-4    | Trichlorofluoromethane                | 10                                      | U     |   |
| 75-35-4    | 1,1-Dichloroethene                    | 32                                      |       |   |
| 76-13-1    | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10                                      | U     |   |
| 67-64-1    | Acetone                               | 10                                      | U     |   |
| 75-15-0    | Carbon disulfide                      | 10                                      | U     |   |
| 79-20-9    | Methyl acetate                        | 10                                      | U     |   |
| 75-09-2    | Methylene chloride                    | 10                                      | U     |   |
| 156-60-5   | trans-1,2-Dichloroethene              | 10                                      | U     |   |
| 1634-04-4  | Methyl tert-butyl ether               | 10                                      | U     |   |
| 75-34-3    | 1,1-Dichloroethane                    | 10                                      | U     |   |
| 156-59-2   | cis-1,2-Dichloroethene                | 10                                      | U     |   |
| 78-93-3    | 2-Butanone                            | 10                                      | U     |   |
| 67-66-3    | Chloroform                            | 10                                      | U     |   |
| 71-55-6    | 1,1,1-Trichloroethane                 | 10                                      | U     |   |
| 110-82-7   | Cyclohexane                           | 10                                      | U     |   |
| 56-23-5    | Carbon tetrachloride                  | 10                                      | U     |   |
| 71-43-2    | Benzene                               | 47                                      |       |   |
| 107-06-2   | 1,2-Dichloroethane                    | 10                                      | U     |   |
| 79-01-6    | Trichloroethene                       | 46                                      |       |   |
| 108-87-2   | Methylcyclohexane                     | 10                                      | U     |   |
| 78-87-5    | 1,2-Dichloropropane                   | 10                                      | U     |   |
| 75-27-4    | Bromodichloromethane                  | 10                                      | U     |   |
| 10061-01-5 | cis-1,3-Dichloropropene               | 10                                      | U     |   |
| 108-10-1   | 4-Methyl-2-pentanone                  | 10                                      | U     |   |
| 108-88-3   | Toluene                               | 50                                      |       |   |
| 10061-02-6 | trans-1,3-Dichloropropene             | 10                                      | U     |   |
| 79-00-5    | 1,1,2-Trichloroethane                 | 10                                      | U     |   |
| 127-18-4   | Tetrachloroethene                     | 10                                      | U     |   |
| 591-78-6   | 2-Hexanone                            | 10                                      | U     |   |
| 124-48-1   | Dibromochloromethane                  | 10                                      | U     |   |

EPA OLM

0027

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V6GLCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-40161  
Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2809.D  
Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_  
% Moisture: not dec. 0.0 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.   | COMPOUND                    | CONCENTRATION UNITS: |       |
|-----------|-----------------------------|----------------------|-------|
|           |                             | (ug/L or ug/Kg)      | UG/KG |
| 106-93-4  | 1,2-Dibromoethane           | 10                   | U     |
| 108-90-7  | Chlorobenzene               | 53                   |       |
| 100-41-4  | Ethylbenzene                | 10                   | U     |
| 1330-20-7 | Xylene (Total)              | 10                   | U     |
| 100-42-5  | Styrene                     | 10                   | U     |
| 75-25-2   | Bromoform                   | 10                   | U     |
| 98-82-8   | Isopropylbenzene            | 10                   | U     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   | 10                   | U     |
| 541-73-1  | 1,3-Dichlorobenzene         | 10                   | U     |
| 106-46-7  | 1,4-Dichlorobenzene         | 10                   | U     |
| 95-50-1   | 1,2-Dichlorobenzene         | 10                   | U     |
| 96-12-8   | 1,2-Dibromo-3-chloropropane | 10                   | U     |
| 120-82-1  | 1,2,4-Trichlorobenzene      | 10                   | U     |

1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-7-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01A  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4195.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 32 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: <u>UG/KG</u><br>(ug/L or ug/Kg) | Q |
|----------|------------------------------|------------------------------------------------------|---|
| 100-52-7 | Benzaldehyde                 | 15000                                                | U |
| 108-95-2 | Phenol                       | 7500                                                 | J |
| 111-44-4 | Bis(2-chloroethyl)ether      | 15000                                                | U |
| 95-57-8  | 2-Chlorophenol               | 15000                                                | U |
| 95-48-7  | 2-Methylphenol               | 3900                                                 | J |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 15000                                                | U |
| 98-86-2  | Acetophenone                 | 15000                                                | U |
| 106-44-5 | 4-Methylphenol               | 14000                                                | J |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 15000                                                | U |
| 67-72-1  | Hexachloroethane             | 15000                                                | U |
| 98-95-3  | Nitrobenzene                 | 15000                                                | U |
| 78-59-1  | Isophorone                   | 15000                                                | U |
| 88-75-5  | 2-Nitrophenol                | 15000                                                | U |
| 105-67-9 | 2,4-Dimethylphenol           | 7400                                                 | J |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 15000                                                | U |
| 120-83-2 | 2,4-Dichlorophenol           | 15000                                                | U |
| 91-20-3  | Naphthalene                  | 360000                                               | E |
| 106-47-8 | 4-Chloroaniline              | 15000                                                | U |
| 87-68-3  | Hexachlorobutadiene          | 15000                                                | U |
| 105-60-2 | Caprolactam                  | 15000                                                | U |
| 59-50-7  | 4-Chloro-3-methylphenol      | 15000                                                | U |
| 91-57-6  | 2-Methylnaphthalene          | 110000                                               |   |
| 77-47-4  | Hexachlorocyclopentadiene    | 15000                                                | U |
| 88-06-2  | 2,4,6-Trichlorophenol        | 15000                                                | U |
| 95-95-4  | 2,4,5-Trichlorophenol        | 37000                                                | U |
| 92-52-4  | 1,1'-Biphenyl                | 27000                                                |   |
| 91-58-7  | 2-Chloronaphthalene          | 15000                                                | U |
| 88-74-4  | 2-Nitroaniline               | 37000                                                | U |
| 131-11-3 | Dimethylphthalate            | 15000                                                | U |
| 606-20-2 | 2,6-Dinitrotoluene           | 15000                                                | U |
| 208-96-8 | Acenaphthylene               | 28000                                                |   |
| 99-09-2  | 3-Nitroaniline               | 37000                                                | U |
| 83-32-9  | Acenaphthene                 | 350000                                               | E |
| 51-28-5  | 2,4-Dinitrophenol            | 37000                                                | U |
| 100-02-7 | 4-Nitrophenol                | 37000                                                | U |
| 132-64-9 | Dibenzofuran                 | 260000                                               | E |
| 121-14-2 | 2,4-Dinitrotoluene           | 15000                                                | U |

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0029

1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-7-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01A  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4195.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 32 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|-----------|----------------------------|-----------------------------------------------|---|
| 84-66-2   | Diethylphthalate           | 15000                                         | U |
| 86-73-7   | Fluorene                   | 360000                                        | E |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 15000                                         | U |
| 100-01-6  | 4-Nitroaniline             | 37000                                         | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 37000                                         | U |
| 86-30-6   | N-Nitrosodiphenylamine     | 15000                                         | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 15000                                         | U |
| 118-74-1  | Hexachlorobenzene          | 15000                                         | U |
| 1912-24-9 | Atrazine                   | 15000                                         | U |
| 87-86-5   | Pentachlorophenol          | 37000                                         | U |
| 85-01-8   | Phenanthrene               | 1300000                                       | E |
| 120-12-7  | Anthracene                 | 480000                                        | E |
| 84-74-2   | Di-n-butylphthalate        | 15000                                         | U |
| 206-44-0  | Fluoranthene               | 1400000                                       | E |
| 129-00-0  | Pyrene                     | 820000                                        | E |
| 85-68-7   | Butylbenzylphthalate       | 15000                                         | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 15000                                         | U |
| 56-55-3   | Benzo(a)anthracene         | 900000                                        | E |
| 218-01-9  | Chrysene                   | 420000                                        | E |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 15000                                         | U |
| 117-84-0  | Di-n-octylphthalate        | 15000                                         | U |
| 205-99-2  | Benzo(b)fluoranthene       | 670000                                        | E |
| 207-08-9  | Benzo(k)fluoranthene       | 170000                                        | E |
| 50-32-8   | Benzo(a)pyrene             | 510000                                        | E |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 450000                                        | E |
| 53-70-3   | Dibenzo(a,h)anthracene     | 260000                                        | E |
| 191-24-2  | Benzo(g,h,i)perylene       | 66000                                         | E |
| 86-74-8   | Carbazole                  | 440000                                        | E |



1K - FORM I SV-TIC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FEW-SED-7-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01A  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4195.D  
Level: (TRACE or LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 32 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

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

|    | CAS NUMBER           | COMPOUND NAME                | RT     | EST. CONC. | Q  |
|----|----------------------|------------------------------|--------|------------|----|
| 01 | 2531-84-2            | Phenanthrene, 2-methyl-      | 13.612 | 290000     | NJ |
| 02 | 2531-84-2            | Phenanthrene, 2-methyl-      | 13.649 | 430000     | NJ |
| 03 | 203-64-5             | 4H-Cyclopenta[def]phenanthre | 13.761 | 660000     | NJ |
| 04 | 2531-84-2            | Phenanthrene, 2-methyl-      | 13.788 | 210000     | NJ |
| 05 | 84-65-1              | 9,10-Anthracenedione         | 14.060 | 360000     | NJ |
| 06 | 243-42-5             | Benzo[b]naphtho[2,3-d]furan  | 14.872 | 2400000    | NJ |
| 07 | 243-42-5             | Benzo[b]naphtho[2,3-d]furan  | 14.995 | 230000     | NJ |
| 08 | 3442-78-2            | Pyrene, 2-methyl-            | 15.262 | 670000     | NJ |
| 09 | 238-84-6             | 11H-Benzo[a]fluorene         | 15.348 | 320000     | NJ |
| 10 |                      | Unknown-01                   | 15.390 | 360000     | J  |
| 11 | 479-79-8             | 11H-Benzo[a]fluoren-11-one   | 15.898 | 350000     | NJ |
| 12 | 243-46-9             | Benzo[b]naphtho[2,3-d]thioph | 16.032 | 400000     | NJ |
| 13 |                      | Unknown-02                   | 16.069 | 410000     | J  |
| 14 |                      | Unknown-03                   | 16.101 | 450000     | J  |
| 15 | 479-79-8             | 11H-Benzo[a]fluoren-11-one   | 16.197 | 220000     | NJ |
| 16 | 243-51-6             | 11H-Indeno(1,2-b)quinoline   | 16.416 | 3900000    | NJ |
| 17 |                      | Unknown-04                   | 16.507 | 410000     | J  |
| 18 | 3351-28-8            | Chrysene, 1-methyl-          | 16.838 | 560000     | NJ |
| 19 | 2541-69-7            | Benz[a]anthracene, 7-methyl- | 16.881 | 310000     | NJ |
| 20 |                      | Unknown-05                   | 16.950 | 310000     | J  |
| 21 | 1482-93-5            | Cyclohexane, hexaethylidene- | 16.998 | 350000     | NJ |
| 22 |                      | Unknown-06                   | 17.020 | 270000     | J  |
| 23 | 612-78-2             | 2,2'-Binaphthalene           | 17.073 | 260000     | NJ |
| 24 |                      | Unknown-07                   | 17.233 | 260000     | J  |
| 25 |                      | Unknown-08                   | 17.431 | 320000     | J  |
| 26 | 192-97-2             | Benzo[e]pyrene               | 17.736 | 520000     | NJ |
| 27 |                      | Unknown-09                   | 17.955 | 990000     | J  |
| 28 | 198-55-0             | Perylene                     | 18.094 | 520000     | NJ |
| 29 | 215-58-7             | Benzo[b]triphenylene         | 19.611 | 400000     | NJ |
| 30 |                      | Unknown-10                   | 21.694 | 340000     | J  |
|    | E966796 <sup>2</sup> | Total Alkanes                | N/A    | 110000     | J  |

<sup>2</sup>EPA-designated Registry Number.

1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-7-SED-0D  
L

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01ADL  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4253.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 32 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 12/01/2008  
GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 50.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q  |
|----------|------------------------------|-----------------------------------------------|----|
| 100-52-7 | Benzaldehyde                 | 740000                                        | U  |
| 108-95-2 | Phenol                       | 740000                                        | U  |
| 111-44-4 | Bis(2-chloroethyl)ether      | 740000                                        | U  |
| 95-57-8  | 2-Chlorophenol               | 740000                                        | U  |
| 95-48-7  | 2-Methylphenol               | 740000                                        | U  |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 740000                                        | U  |
| 98-86-2  | Acetophenone                 | 740000                                        | U  |
| 106-44-5 | 4-Methylphenol               | 740000                                        | U  |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 740000                                        | U  |
| 67-72-1  | Hexachloroethane             | 740000                                        | U  |
| 98-95-3  | Nitrobenzene                 | 740000                                        | U  |
| 78-59-1  | Isophorone                   | 740000                                        | U  |
| 88-75-5  | 2-Nitrophenol                | 740000                                        | U  |
| 105-67-9 | 2,4-Dimethylphenol           | 740000                                        | U  |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 740000                                        | U  |
| 120-83-2 | 2,4-Dichlorophenol           | 740000                                        | U  |
| 91-20-3  | Naphthalene                  | 430000                                        | DJ |
| 106-47-8 | 4-Chloroaniline              | 740000                                        | U  |
| 87-68-3  | Hexachlorobutadiene          | 740000                                        | U  |
| 105-60-2 | Caprolactam                  | 740000                                        | U  |
| 59-50-7  | 4-Chloro-3-methylphenol      | 740000                                        | U  |
| 91-57-6  | 2-Methylnaphthalene          | 130000                                        | DJ |
| 77-47-4  | Hexachlorocyclopentadiene    | 740000                                        | U  |
| 88-06-2  | 2,4,6-Trichlorophenol        | 740000                                        | U  |
| 95-95-4  | 2,4,5-Trichlorophenol        | 1800000                                       | U  |
| 92-52-4  | 1,1'-Biphenyl                | 740000                                        | U  |
| 91-58-7  | 2-Chloronaphthalene          | 740000                                        | U  |
| 88-74-4  | 2-Nitroaniline               | 1800000                                       | U  |
| 131-11-3 | Dimethylphthalate            | 740000                                        | U  |
| 606-20-2 | 2,6-Dinitrotoluene           | 740000                                        | U  |
| 208-96-8 | Acenaphthylene               | 740000                                        | U  |
| 99-09-2  | 3-Nitroaniline               | 1800000                                       | U  |
| 83-32-9  | Acenaphthene                 | 400000                                        | DJ |
| 51-28-5  | 2,4-Dinitrophenol            | 1800000                                       | U  |
| 100-02-7 | 4-Nitrophenol                | 1800000                                       | U  |
| 132-64-9 | Dibenzofuran                 | 300000                                        | DJ |
| 121-14-2 | 2,4-Dinitrotoluene           | 740000                                        | U  |

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1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-7-SED-0D  
L

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01ADL  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4253.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 32 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 12/01/2008  
GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 50.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q  |
|-----------|----------------------------|-----------------------------------------------|----|
| 84-66-2   | Diethylphthalate           | 740000                                        | U  |
| 86-73-7   | Fluorene                   | 400000                                        | DJ |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 740000                                        | U  |
| 100-01-6  | 4-Nitroaniline             | 1800000                                       | U  |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 1800000                                       | U  |
| 86-30-6   | N-Nitrosodiphenylamine     | 740000                                        | U  |
| 101-55-3  | 4-Bromophenyl-phenylether  | 740000                                        | U  |
| 118-74-1  | Hexachlorobenzene          | 740000                                        | U  |
| 1912-24-9 | Atrazine                   | 740000                                        | U  |
| 87-86-5   | Pentachlorophenol          | 1800000                                       | U  |
| 85-01-8   | Phenanthrene               | 3400000                                       | D  |
| 120-12-7  | Anthracene                 | 710000                                        | DJ |
| 84-74-2   | Di-n-butylphthalate        | 740000                                        | U  |
| 206-44-0  | Fluoranthene               | 4000000                                       | D  |
| 129-00-0  | Pyrene                     | 2700000                                       | D  |
| 85-68-7   | Butylbenzylphthalate       | 740000                                        | U  |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 740000                                        | U  |
| 56-55-3   | Benzo(a)anthracene         | 1500000                                       | D  |
| 218-01-9  | Chrysene                   | 1500000                                       | D  |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 740000                                        | U  |
| 117-84-0  | Di-n-octylphthalate        | 740000                                        | U  |
| 205-99-2  | Benzo(b)fluoranthene       | 1800000                                       | D  |
| 207-08-9  | Benzo(k)fluoranthene       | 780000                                        | D  |
| 50-32-8   | Benzo(a)pyrene             | 1000000                                       | D  |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 680000                                        | DJ |
| 53-70-3   | Dibenzo(a,h)anthracene     | 220000                                        | DJ |
| 191-24-2  | Benzo(g,h,i)perylene       | 94000                                         | DJ |
| 86-74-8   | Carbazole                  | 530000                                        | DJ |

1K - FORM I SV-TIC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FEW-SED-7-SED-0D  
L

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01ADL  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4253.D  
Level: (TRACE or LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 32 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 12/01/2008  
GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 50.0

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

|    | CAS NUMBER           | COMPOUND NAME                | RT     | EST. CONC. | Q   |
|----|----------------------|------------------------------|--------|------------|-----|
| 01 | 486-25-9             | 9H-Fluoren-9-one             | 12.524 | 150000     | DNJ |
| 02 | 132-65-0             | Dibenzothiophene             | 12.647 | 190000     | DNJ |
| 03 | 2531-84-2            | Phenanthrene, 2-methyl-      | 13.491 | 250000     | DNJ |
| 04 | 2531-84-2            | Phenanthrene, 2-methyl-      | 13.528 | 380000     | DNJ |
| 05 | 203-64-5             | 4H-Cyclopenta[def]phenanthre | 13.630 | 500000     | DNJ |
| 06 | 2531-84-2            | Phenanthrene, 2-methyl-      | 13.662 | 190000     | DNJ |
| 07 | 84-65-1              | 9,10-Anthracenedione         | 13.908 | 490000     | DNJ |
| 08 | 81-84-5              | 1,8-Naphthalic anhydride     | 14.217 | 200000     | DNJ |
| 09 | 5737-13-3            | Cyclopenta(def)phenanthrenon | 14.314 | 220000     | DNJ |
| 10 |                      | Unknown-01                   | 17.278 | 190000     | DJ  |
| 11 | 192-97-2             | Benzo[e]pyrene               | 17.556 | 250000     | DNJ |
| 12 | 192-97-2             | Benzo[e]pyrene               | 17.743 | 630000     | DNJ |
|    | E966796 <sup>2</sup> | Total Alkanes                | N/A    |            |     |

<sup>2</sup>EPA-designated Registry Number.

1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-8-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02A  
Sample wt/vol: 1.1 (g/mL) G Lab File ID: S3F4196.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 29 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|----------|------------------------------|-----------------------------------------------|---|
| 100-52-7 | Benzaldehyde                 | 14000                                         | U |
| 108-95-2 | Phenol                       | 14000                                         |   |
| 111-44-4 | Bis(2-chloroethyl)ether      | 14000                                         | U |
| 95-57-8  | 2-Chlorophenol               | 14000                                         | U |
| 95-48-7  | 2-Methylphenol               | 8100                                          | J |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 14000                                         | U |
| 98-86-2  | Acetophenone                 | 14000                                         | U |
| 106-44-5 | 4-Methylphenol               | 25000                                         |   |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 14000                                         | U |
| 67-72-1  | Hexachloroethane             | 14000                                         | U |
| 98-95-3  | Nitrobenzene                 | 14000                                         | U |
| 78-59-1  | Isophorone                   | 14000                                         | U |
| 88-75-5  | 2-Nitrophenol                | 14000                                         | U |
| 105-67-9 | 2,4-Dimethylphenol           | 15000                                         |   |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 14000                                         | U |
| 120-83-2 | 2,4-Dichlorophenol           | 14000                                         | U |
| 91-20-3  | Naphthalene                  | 690000                                        | E |
| 106-47-8 | 4-Chloroaniline              | 14000                                         | U |
| 87-68-3  | Hexachlorobutadiene          | 14000                                         | U |
| 105-60-2 | Caprolactam                  | 14000                                         | U |
| 59-50-7  | 4-Chloro-3-methylphenol      | 14000                                         | U |
| 91-57-6  | 2-Methylnaphthalene          | 230000                                        | E |
| 77-47-4  | Hexachlorocyclopentadiene    | 14000                                         | U |
| 88-06-2  | 2,4,6-Trichlorophenol        | 14000                                         | U |
| 95-95-4  | 2,4,5-Trichlorophenol        | 35000                                         | U |
| 92-52-4  | 1,1'-Biphenyl                | 53000                                         |   |
| 91-58-7  | 2-Chloronaphthalene          | 14000                                         | U |
| 88-74-4  | 2-Nitroaniline               | 35000                                         | U |
| 131-11-3 | Dimethylphthalate            | 14000                                         | U |
| 606-20-2 | 2,6-Dinitrotoluene           | 14000                                         | U |
| 208-96-8 | Acenaphthylene               | 37000                                         |   |
| 99-09-2  | 3-Nitroaniline               | 35000                                         | U |
| 83-32-9  | Acenaphthene                 | 520000                                        | E |
| 51-28-5  | 2,4-Dinitrophenol            | 35000                                         | U |
| 100-02-7 | 4-Nitrophenol                | 35000                                         | U |
| 132-64-9 | Dibenzofuran                 | 410000                                        | E |
| 121-14-2 | 2,4-Dinitrotoluene           | 14000                                         | U |

EPA OLM

0035

1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-8-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02A  
Sample wt/vol: 1.1 (g/mL) G Lab File ID: S3F4196.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 29 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|-----------|----------------------------|-----------------------------------------------|---|
| 84-66-2   | Diethylphthalate           | 14000                                         | U |
| 86-73-7   | Fluorene                   | 500000                                        | E |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 14000                                         | U |
| 100-01-6  | 4-Nitroaniline             | 35000                                         | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 35000                                         | U |
| 86-30-6   | N-Nitrosodiphenylamine     | 14000                                         | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 14000                                         | U |
| 118-74-1  | Hexachlorobenzene          | 14000                                         | U |
| 1912-24-9 | Atrazine                   | 14000                                         | U |
| 87-86-5   | Pentachlorophenol          | 35000                                         | U |
| 85-01-8   | Phenanthrene               | 1400000                                       | E |
| 120-12-7  | Anthracene                 | 510000                                        | E |
| 84-74-2   | Di-n-butylphthalate        | 14000                                         | U |
| 206-44-0  | Fluoranthene               | 1500000                                       | E |
| 129-00-0  | Pyrene                     | 1300000                                       | E |
| 85-68-7   | Butylbenzylphthalate       | 14000                                         | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 14000                                         | U |
| 56-55-3   | Benzo(a)anthracene         | 1700000                                       | E |
| 218-01-9  | Chrysene                   | 470000                                        | E |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 14000                                         | U |
| 117-84-0  | Di-n-octylphthalate        | 14000                                         | U |
| 205-99-2  | Benzo(b)fluoranthene       | 440000                                        | E |
| 207-08-9  | Benzo(k)fluoranthene       | 62000                                         |   |
| 50-32-8   | Benzo(a)pyrene             | 260000                                        | E |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 280000                                        | E |
| 53-70-3   | Dibenzo(a,h)anthracene     | 220000                                        | E |
| 191-24-2  | Benzo(g,h,i)perylene       | 30000                                         |   |
| 86-74-8   | Carbazole                  | 510000                                        | E |

1K - FORM I SV-TIC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FEW-SED-8-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02A  
Sample wt/vol: 1.1 (g/mL) G Lab File ID: S3F4196.D  
Level: (TRACE or LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 29 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

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

|    | CAS NUMBER           | COMPOUND NAME                  | RT     | EST. CONC. | Q  |
|----|----------------------|--------------------------------|--------|------------|----|
| 01 | 132-65-0             | Dibenzothiophene               | 12.772 | 330000     | NJ |
| 02 | 2531-84-2            | Phenanthrene, 2-methyl-        | 13.626 | 420000     | NJ |
| 03 | 2531-84-2            | Phenanthrene, 2-methyl-        | 13.669 | 610000     | NJ |
| 04 | 203-64-5             | 4H-Cyclopenta[def]phenanthrene | 13.781 | 930000     | NJ |
| 05 | 84-65-1              | 9,10-Anthracenedione           | 14.097 | 570000     | NJ |
| 06 |                      | Unknown-01                     | 14.620 | 3600000    | J  |
| 07 | 243-42-5             | Benzo[b]naphtho[2,3-d]furan    | 15.021 | 420000     | NJ |
| 08 | 206-56-4             | Indeno(1,2,3-ij)isoquinoline   | 15.069 | 610000     | NJ |
| 09 | 2381-21-7            | Pyrene, 1-methyl-              | 15.144 | 360000     | NJ |
| 10 | 3442-78-2            | Pyrene, 2-methyl-              | 15.288 | 1200000    | NJ |
| 11 | 33543-31-6           | Fluoranthene, 2-methyl-        | 15.368 | 580000     | NJ |
| 12 | 2381-21-7            | Pyrene, 1-methyl-              | 15.411 | 890000     | NJ |
| 13 | 479-79-8             | 11H-Benzo[a]fluoren-11-one     | 15.924 | 560000     | NJ |
| 14 |                      | Unknown-02                     | 16.084 | 1500000    | J  |
| 15 | 203-12-3             | Benzo[ghi]fluoranthene         | 16.127 | 890000     | NJ |
| 16 | 479-79-8             | 11H-Benzo[a]fluoren-11-one     | 16.239 | 590000     | NJ |
| 17 |                      | Unknown-03                     | 16.410 | 2800000    | J  |
| 18 |                      | Unknown-04                     | 16.543 | 700000     | J  |
| 19 | 82-05-3              | 7H-Benz[de]anthracen-7-one     | 16.581 | 500000     | NJ |
| 20 | 1606-67-3            | 1-Aminopyrene                  | 16.634 | 430000     | NJ |
| 21 |                      | Unknown-05                     | 16.666 | 490000     | J  |
| 22 |                      | Unknown-06                     | 16.869 | 950000     | J  |
| 23 | 3351-32-4            | Chrysene, 2-methyl-            | 16.901 | 470000     | NJ |
| 24 |                      | Unknown-07                     | 16.971 | 590000     | J  |
| 25 |                      | Unknown-08                     | 17.045 | 990000     | J  |
| 26 | 612-78-2             | 2,2'-Binaphthalene             | 17.099 | 420000     | NJ |
| 27 |                      | Unknown-09                     | 17.264 | 570000     | J  |
| 28 |                      | Unknown-10                     | 17.649 | 1500000    | J  |
| 29 |                      | Unknown-11                     | 17.788 | 820000     | J  |
| 30 | 198-55-0             | Perylene                       | 18.140 | 500000     | NJ |
|    | E966796 <sup>2</sup> | Total Alkanes                  | N/A    | 130000     | J  |

<sup>2</sup>EPA-designated Registry Number.

1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-8-SED-0D  
L

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02ADL  
Sample wt/vol: 1.1 (g/mL) G Lab File ID: S3F4294.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 29 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 12/04/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 100.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: <u>UG/KG</u><br>(ug/L or ug/Kg) | Q  |
|----------|------------------------------|------------------------------------------------------|----|
| 100-52-7 | Benzaldehyde                 | 1300000                                              | U  |
| 108-95-2 | Phenol                       | 1300000                                              | U  |
| 111-44-4 | Bis(2-chloroethyl)ether      | 1300000                                              | U  |
| 95-57-8  | 2-Chlorophenol               | 1300000                                              | U  |
| 95-48-7  | 2-Methylphenol               | 1300000                                              | U  |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 1300000                                              | U  |
| 98-86-2  | Acetophenone                 | 1300000                                              | U  |
| 106-44-5 | 4-Methylphenol               | 1300000                                              | U  |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 1300000                                              | U  |
| 67-72-1  | Hexachloroethane             | 1300000                                              | U  |
| 98-95-3  | Nitrobenzene                 | 1300000                                              | U  |
| 78-59-1  | Isophorone                   | 1300000                                              | U  |
| 88-75-5  | 2-Nitrophenol                | 1300000                                              | U  |
| 105-67-9 | 2,4-Dimethylphenol           | 1300000                                              | U  |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 1300000                                              | U  |
| 120-83-2 | 2,4-Dichlorophenol           | 1300000                                              | U  |
| 91-20-3  | Naphthalene                  | 860000                                               | DJ |
| 106-47-8 | 4-Chloroaniline              | 1300000                                              | U  |
| 87-68-3  | Hexachlorobutadiene          | 1300000                                              | U  |
| 105-60-2 | Caprolactam                  | 1300000                                              | U  |
| 59-50-7  | 4-Chloro-3-methylphenol      | 1300000                                              | U  |
| 91-57-6  | 2-Methylnaphthalene          | 230000                                               | DJ |
| 77-47-4  | Hexachlorocyclopentadiene    | 1300000                                              | U  |
| 88-06-2  | 2,4,6-Trichlorophenol        | 1300000                                              | U  |
| 95-95-4  | 2,4,5-Trichlorophenol        | 3200000                                              | U  |
| 92-52-4  | 1,1'-Biphenyl                | 1300000                                              | U  |
| 91-58-7  | 2-Chloronaphthalene          | 1300000                                              | U  |
| 88-74-4  | 2-Nitroaniline               | 3200000                                              | U  |
| 131-11-3 | Dimethylphthalate            | 1300000                                              | U  |
| 606-20-2 | 2,6-Dinitrotoluene           | 1300000                                              | U  |
| 208-96-8 | Acenaphthylene               | 1300000                                              | U  |
| 99-09-2  | 3-Nitroaniline               | 3200000                                              | U  |
| 83-32-9  | Acenaphthene                 | 590000                                               | DJ |
| 51-28-5  | 2,4-Dinitrophenol            | 3200000                                              | U  |
| 100-02-7 | 4-Nitrophenol                | 3200000                                              | U  |
| 132-64-9 | Dibenzofuran                 | 440000                                               | DJ |
| 121-14-2 | 2,4-Dinitrotoluene           | 1300000                                              | U  |

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0030



1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-8-SED-0D  
L

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02ADL  
Sample wt/vol: 1.1 (g/mL) G Lab File ID: S3F4294.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 29 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 12/04/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 100.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q  |
|-----------|----------------------------|-----------------------------------------------|----|
| 84-66-2   | Diethylphthalate           | 1300000                                       | U  |
| 86-73-7   | Fluorene                   | 540000                                        | DJ |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1300000                                       | U  |
| 100-01-6  | 4-Nitroaniline             | 3200000                                       | U  |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 3200000                                       | U  |
| 86-30-6   | N-Nitrosodiphenylamine     | 1300000                                       | U  |
| 101-55-3  | 4-Bromophenyl-phenylether  | 1300000                                       | U  |
| 118-74-1  | Hexachlorobenzene          | 1300000                                       | U  |
| 1912-24-9 | Atrazine                   | 1300000                                       | U  |
| 87-86-5   | Pentachlorophenol          | 3200000                                       | U  |
| 85-01-8   | Phenanthrene               | 4300000                                       | D  |
| 120-12-7  | Anthracene                 | 910000                                        | DJ |
| 84-74-2   | Di-n-butylphthalate        | 1300000                                       | U  |
| 206-44-0  | Fluoranthene               | 5200000                                       | D  |
| 129-00-0  | Pyrene                     | 3000000                                       | D  |
| 85-68-7   | Butylbenzylphthalate       | 1300000                                       | U  |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 1300000                                       | U  |
| 56-55-3   | Benzo(a)anthracene         | 1900000                                       | D  |
| 218-01-9  | Chrysene                   | 2000000                                       | D  |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 1300000                                       | U  |
| 117-84-0  | Di-n-octylphthalate        | 1300000                                       | U  |
| 205-99-2  | Benzo(b)fluoranthene       | 2500000                                       | D  |
| 207-08-9  | Benzo(k)fluoranthene       | 790000                                        | DJ |
| 50-32-8   | Benzo(a)pyrene             | 1000000                                       | DJ |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 780000                                        | DJ |
| 53-70-3   | Dibenzo(a,h)anthracene     | 290000                                        | DJ |
| 191-24-2  | Benzo(g,h,i)perylene       | 1300000                                       | U  |
| 86-74-8   | Carbazole                  | 650000                                        | DJ |

1K - FORM I SV-TIC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FEW-SED-8-SED-0D  
L

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02ADL  
Sample wt/vol: 1.1 (g/mL) G Lab File ID: S3F4294.D  
Level: (TRACE or LOW/MED) MED Extraction: (Type) SONC  
% Moisture: 29 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 12/04/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 100.0

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

|    | CAS NUMBER           | COMPOUND NAME                | RT     | EST. CONC. | Q   |
|----|----------------------|------------------------------|--------|------------|-----|
| 01 | 832-69-9             | Phenanthrene, 1-methyl-      | 13.162 | 290000     | DNJ |
| 02 | 2531-84-2            | Phenanthrene, 2-methyl-      | 13.199 | 450000     | DNJ |
| 03 | 203-64-5             | 4H-Cyclopenta[def]phenanthre | 13.301 | 660000     | DNJ |
| 04 | 84-65-1              | 9,10-Anthracenedione         | 13.584 | 590000     | DNJ |
| 05 | 192-97-2             | Benzo[e]pyrene               | 17.222 | 390000     | DNJ |
| 06 | 192-97-2             | Benzo[e]pyrene               | 17.404 | 550000     | DNJ |
| 07 |                      | Unknown-01                   | 18.456 | 410000     | DJ  |
| 08 | 189-55-9             | 3,4:9,10-Dibenzopyrene       | 20.689 | 580000     | DNJ |
|    | E966796 <sup>2</sup> | Total Alkanes                | N/A    |            |     |

<sup>2</sup>EPA-designated Registry Number.

1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-9-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03A  
Sample wt/vol: 30.5 (g/mL) G Lab File ID: S1F8959.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q  |
|----------|------------------------------|-----------------------------------------------|----|
| 100-52-7 | Benzaldehyde                 | 370                                           | U  |
| 108-95-2 | Phenol                       | 320                                           | BJ |
| 111-44-4 | Bis(2-chloroethyl)ether      | 370                                           | U  |
| 95-57-8  | 2-Chlorophenol               | 370                                           | U  |
| 95-48-7  | 2-Methylphenol               | 370                                           | U  |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 370                                           | U  |
| 98-86-2  | Acetophenone                 | 370                                           | U  |
| 106-44-5 | 4-Methylphenol               | 370                                           | U  |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 370                                           | U  |
| 67-72-1  | Hexachloroethane             | 370                                           | U  |
| 98-95-3  | Nitrobenzene                 | 370                                           | U  |
| 78-59-1  | Isophorone                   | 370                                           | U  |
| 88-75-5  | 2-Nitrophenol                | 370                                           | U  |
| 105-67-9 | 2,4-Dimethylphenol           | 370                                           | U  |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 370                                           | U  |
| 120-83-2 | 2,4-Dichlorophenol           | 370                                           | U  |
| 91-20-3  | Naphthalene                  | 120                                           | J  |
| 106-47-8 | 4-Chloroaniline              | 130                                           | J  |
| 87-68-3  | Hexachlorobutadiene          | 370                                           | U  |
| 105-60-2 | Caprolactam                  | 370                                           | U  |
| 59-50-7  | 4-Chloro-3-methylphenol      | 370                                           | U  |
| 91-57-6  | 2-Methylnaphthalene          | 58                                            | J  |
| 77-47-4  | Hexachlorocyclopentadiene    | 370                                           | U  |
| 88-06-2  | 2,4,6-Trichlorophenol        | 370                                           | U  |
| 95-95-4  | 2,4,5-Trichlorophenol        | 930                                           | U  |
| 92-52-4  | 1,1'-Biphenyl                | 370                                           | U  |
| 91-58-7  | 2-Chloronaphthalene          | 370                                           | U  |
| 88-74-4  | 2-Nitroaniline               | 930                                           | U  |
| 131-11-3 | Dimethylphthalate            | 370                                           | U  |
| 606-20-2 | 2,6-Dinitrotoluene           | 370                                           | U  |
| 208-96-8 | Acenaphthylene               | 150                                           | J  |
| 99-09-2  | 3-Nitroaniline               | 930                                           | U  |
| 83-32-9  | Acenaphthene                 | 220                                           | J  |
| 51-28-5  | 2,4-Dinitrophenol            | 930                                           | U  |
| 100-02-7 | 4-Nitrophenol                | 930                                           | U  |
| 132-64-9 | Dibenzofuran                 | 130                                           | J  |
| 121-14-2 | 2,4-Dinitrotoluene           | 370                                           | U  |

EPA OLM

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1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-9-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03A  
Sample wt/vol: 30.5 (g/mL) G Lab File ID: S1F8959.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|-----------|----------------------------|-----------------------------------------------|---|
| 84-66-2   | Diethylphthalate           | 370                                           | U |
| 86-73-7   | Fluorene                   | 170                                           | J |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 370                                           | U |
| 100-01-6  | 4-Nitroaniline             | 930                                           | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 930                                           | U |
| 86-30-6   | N-Nitrosodiphenylamine     | 370                                           | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 370                                           | U |
| 118-74-1  | Hexachlorobenzene          | 370                                           | U |
| 1912-24-9 | Atrazine                   | 370                                           | U |
| 87-86-5   | Pentachlorophenol          | 930                                           | U |
| 85-01-8   | Phenanthrene               | 2100                                          |   |
| 120-12-7  | Anthracene                 | 450                                           |   |
| 86-74-8   | Carbazole                  | 450                                           |   |
| 84-74-2   | Di-n-butylphthalate        | 220                                           | J |
| 206-44-0  | Fluoranthene               | 3400                                          | E |
| 129-00-0  | Pyrene                     | 3700                                          | E |
| 85-68-7   | Butylbenzylphthalate       | 190                                           | J |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 370                                           | U |
| 56-55-3   | Benzo(a)anthracene         | 1800                                          |   |
| 218-01-9  | Chrysene                   | 1900                                          |   |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 580                                           |   |
| 117-84-0  | Di-n-octylphthalate        | 370                                           | U |
| 205-99-2  | Benzo(b)fluoranthene       | 2600                                          |   |
| 207-08-9  | Benzo(k)fluoranthene       | 1700                                          |   |
| 50-32-8   | Benzo(a)pyrene             | 2000                                          |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 750                                           |   |
| 53-70-3   | Dibenzo(a,h)anthracene     | 260                                           | J |
| 191-24-2  | Benzo(g,h,i)perylene       | 760                                           |   |

1K - FORM I SV-TIC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FEW-SED-9-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03A  
Sample wt/vol: 30.5 (g/mL) G Lab File ID: S1F8959.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

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

|    | CAS NUMBER           | COMPOUND NAME                | RT     | EST. CONC. | Q  |
|----|----------------------|------------------------------|--------|------------|----|
| 01 | 3320-83-0            | Benzene, 1-chloro-2-isocyna  | 5.937  | 290        | NJ |
| 02 | 5392-82-5            | Benzene, 1,4-dichloro-2-isoc | 7.579  | 210        | NJ |
| 03 | 90-12-0              | Naphthalene, 1-methyl-       | 7.665  | 98         | NJ |
| 04 | 143-07-7             | Dodecanoic acid              | 9.783  | 170        | NJ |
| 05 |                      | Unknown-01                   | 10.939 | 110        | J  |
| 06 |                      | Unknown-02                   | 11.144 | 77         | J  |
| 07 | 486-25-9             | 9H-Fluoren-9-one             | 11.209 | 190        | NJ |
| 08 | 132-65-0             | Dibenzothiophene             | 11.317 | 140        | NJ |
| 09 |                      | Unknown-03                   | 12.105 | 100        | J  |
| 10 | 2531-84-2            | Phenanthrene, 2-methyl-      | 12.322 | 170        | NJ |
| 11 | 610-48-0             | Anthracene, 1-methyl-        | 12.365 | 200        | NJ |
| 12 |                      | Unknown-04                   | 12.440 | 84         | J  |
| 13 | 203-64-5             | 4H-Cyclopenta[def]phenanthre | 12.473 | 290        | NJ |
| 14 | 2531-84-2            | Phenanthrene, 2-methyl-      | 12.527 | 160        | NJ |
| 15 | 57-10-3              | n-Hexadecanoic acid          | 12.711 | 590        | NJ |
| 16 | 84-65-1              | 9,10-Anthracenedione         | 12.851 | 460        | NJ |
| 17 | 781-92-0             | Anthracene, 1,4-dimethyl-    | 13.229 | 120        | NJ |
| 18 | 1210-12-4            | 9-Anthracenecarbonitrile     | 13.996 | 190        | NJ |
| 19 |                      | Unknown-05                   | 17.669 | 170        | J  |
|    | E966796 <sup>2</sup> | Total Alkanes                | N/A    |            |    |

<sup>2</sup>EPA-designated Registry Number.

1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-9-SED-0D  
L

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03ADL  
Sample wt/vol: 30.5 (g/mL) G Lab File ID: S1F8958.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 3.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q   |
|----------|------------------------------|-----------------------------------------------|-----|
| 100-52-7 | Benzaldehyde                 | 1100                                          | U   |
| 108-95-2 | Phenol                       | 330                                           | DBJ |
| 111-44-4 | Bis(2-chloroethyl)ether      | 1100                                          | U   |
| 95-57-8  | 2-Chlorophenol               | 1100                                          | U   |
| 95-48-7  | 2-Methylphenol               | 1100                                          | U   |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 1100                                          | U   |
| 98-86-2  | Acetophenone                 | 1100                                          | U   |
| 106-44-5 | 4-Methylphenol               | 1100                                          | U   |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 1100                                          | U   |
| 67-72-1  | Hexachloroethane             | 1100                                          | U   |
| 98-95-3  | Nitrobenzene                 | 1100                                          | U   |
| 78-59-1  | Isophorone                   | 1100                                          | U   |
| 88-75-5  | 2-Nitrophenol                | 1100                                          | U   |
| 105-67-9 | 2,4-Dimethylphenol           | 1100                                          | U   |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 1100                                          | U   |
| 120-83-2 | 2,4-Dichlorophenol           | 1100                                          | U   |
| 91-20-3  | Naphthalene                  | 120                                           | DJ  |
| 106-47-8 | 4-Chloroaniline              | 260                                           | DJ  |
| 87-68-3  | Hexachlorobutadiene          | 1100                                          | U   |
| 105-60-2 | Caprolactam                  | 1100                                          | U   |
| 59-50-7  | 4-Chloro-3-methylphenol      | 1100                                          | U   |
| 91-57-6  | 2-Methylnaphthalene          | 1100                                          | U   |
| 77-47-4  | Hexachlorocyclopentadiene    | 1100                                          | U   |
| 88-06-2  | 2,4,6-Trichlorophenol        | 1100                                          | U   |
| 95-95-4  | 2,4,5-Trichlorophenol        | 2800                                          | U   |
| 92-52-4  | 1,1'-Biphenyl                | 1100                                          | U   |
| 91-58-7  | 2-Chloronaphthalene          | 1100                                          | U   |
| 88-74-4  | 2-Nitroaniline               | 2800                                          | U   |
| 131-11-3 | Dimethylphthalate            | 1100                                          | U   |
| 606-20-2 | 2,6-Dinitrotoluene           | 1100                                          | U   |
| 208-96-8 | Acenaphthylene               | 170                                           | DJ  |
| 99-09-2  | 3-Nitroaniline               | 2800                                          | U   |
| 83-32-9  | Acenaphthene                 | 250                                           | DJ  |
| 51-28-5  | 2,4-Dinitrophenol            | 2800                                          | U   |
| 100-02-7 | 4-Nitrophenol                | 2800                                          | U   |
| 132-64-9 | Dibenzofuran                 | 140                                           | DJ  |
| 121-14-2 | 2,4-Dinitrotoluene           | 1100                                          | U   |

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1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FEW-SED-9-SED-0D  
L

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03ADL  
Sample wt/vol: 30.5 (g/mL) G Lab File ID: S1F8958.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 3.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q  |
|-----------|----------------------------|-----------------------------------------------|----|
| 84-66-2   | Diethylphthalate           | 1100                                          | U  |
| 86-73-7   | Fluorene                   | 180                                           | DJ |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1100                                          | U  |
| 100-01-6  | 4-Nitroaniline             | 2800                                          | U  |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 2800                                          | U  |
| 86-30-6   | N-Nitrosodiphenylamine     | 1100                                          | U  |
| 101-55-3  | 4-Bromophenyl-phenylether  | 1100                                          | U  |
| 118-74-1  | Hexachlorobenzene          | 1100                                          | U  |
| 1912-24-9 | Atrazine                   | 1100                                          | U  |
| 87-86-5   | Pentachlorophenol          | 2800                                          | U  |
| 85-01-8   | Phenanthrene               | 2200                                          | D  |
| 120-12-7  | Anthracene                 | 500                                           | DJ |
| 86-74-8   | Carbazole                  | 520                                           | DJ |
| 84-74-2   | Di-n-butylphthalate        | 230                                           | DJ |
| 206-44-0  | Fluoranthene               | 4000                                          | D  |
| 129-00-0  | Pyrene                     | 3200                                          | D  |
| 85-68-7   | Butylbenzylphthalate       | 190                                           | DJ |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 1100                                          | U  |
| 56-55-3   | Benzo(a)anthracene         | 1900                                          | D  |
| 218-01-9  | Chrysene                   | 2200                                          | D  |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 600                                           | DJ |
| 117-84-0  | Di-n-octylphthalate        | 1100                                          | U  |
| 205-99-2  | Benzo(b)fluoranthene       | 3400                                          | D  |
| 207-08-9  | Benzo(k)fluoranthene       | 1600                                          | D  |
| 50-32-8   | Benzo(a)pyrene             | 2200                                          | D  |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 760                                           | DJ |
| 53-70-3   | Dibenzo(a,h)anthracene     | 260                                           | DJ |
| 191-24-2  | Benzo(g,h,i)perylene       | 750                                           | DJ |

1K - FORM I SV-TIC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FEW-SED-9-SED-0D  
L

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03ADL  
Sample wt/vol: 30.5 (g/mL) G Lab File ID: S1F8958.D  
Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: 12 Decanted: (Y/N) N Date Received: 11/11/2008  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 3.0

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

|    | CAS NUMBER           | COMPOUND NAME                | RT     | EST. CONC. | Q   |
|----|----------------------|------------------------------|--------|------------|-----|
| 01 | 3320-83-0            | Benzene, 1-chloro-2-isocyna  | 5.945  | 320        | DNJ |
| 02 | 102-36-3             | Benzene, 1,2-dichloro-4-isoc | 7.588  | 410        | DNJ |
| 03 | 949-41-7             | 1H-Cyclopropa[1]phenanthrene | 12.352 | 240        | DNJ |
| 04 | 203-64-5             | 4H-Cyclopenta[def]phenanthre | 12.471 | 330        | DNJ |
| 05 | 57-10-3              | n-Hexadecanoic acid          | 12.665 | 370        | DNJ |
| 06 | 84-65-1              | 9,10-Anthracenedione         | 12.838 | 640        | DNJ |
| 07 |                      | Unknown-01                   | 14.189 | 220        | DJ  |
| 08 |                      | Unknown-02                   | 15.917 | 300        | DJ  |
| 09 |                      | Unknown-03                   | 16.284 | 480        | DJ  |
| 10 | 192-97-2             | Benzo[e]pyrene               | 16.652 | 930        | DNJ |
| 11 |                      | Unknown-04                   | 17.300 | 1900       | DJ  |
| 12 |                      | Unknown-05                   | 17.635 | 1000       | DJ  |
| 13 | 53755-13-8           | 24-Norcholane, 23-[2-methyl- | 19.137 | 610        | DNJ |
|    | E966796 <sup>2</sup> | Total Alkanes                | N/A    | 220        | J   |

<sup>2</sup>EPA-designated Registry Number.



1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S10LCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-40084  
Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F8953.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|----------|------------------------------|-----------------------------------------------|---|
| 100-52-7 | Benzaldehyde                 | 330                                           | U |
| 108-95-2 | Phenol                       | 1800                                          | B |
| 111-44-4 | Bis(2-chloroethyl)ether      | 330                                           | U |
| 95-57-8  | 2-Chlorophenol               | 1600                                          |   |
| 95-48-7  | 2-Methylphenol               | 330                                           | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 330                                           | U |
| 98-86-2  | Acetophenone                 | 330                                           | U |
| 106-44-5 | 4-Methylphenol               | 330                                           | U |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 1000                                          |   |
| 67-72-1  | Hexachloroethane             | 330                                           | U |
| 98-95-3  | Nitrobenzene                 | 330                                           | U |
| 78-59-1  | Isophorone                   | 330                                           | U |
| 88-75-5  | 2-Nitrophenol                | 330                                           | U |
| 105-67-9 | 2,4-Dimethylphenol           | 330                                           | U |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 330                                           | U |
| 120-83-2 | 2,4-Dichlorophenol           | 330                                           | U |
| 91-20-3  | Naphthalene                  | 330                                           | U |
| 106-47-8 | 4-Chloroaniline              | 330                                           | U |
| 87-68-3  | Hexachlorobutadiene          | 330                                           | U |
| 105-60-2 | Caprolactam                  | 330                                           | U |
| 59-50-7  | 4-Chloro-3-methylphenol      | 1700                                          |   |
| 91-57-6  | 2-Methylnaphthalene          | 330                                           | U |
| 77-47-4  | Hexachlorocyclopentadiene    | 330                                           | U |
| 88-06-2  | 2,4,6-Trichlorophenol        | 330                                           | U |
| 95-95-4  | 2,4,5-Trichlorophenol        | 830                                           | U |
| 92-52-4  | 1,1'-Biphenyl                | 330                                           | U |
| 91-58-7  | 2-Chloronaphthalene          | 330                                           | U |
| 88-74-4  | 2-Nitroaniline               | 830                                           | U |
| 131-11-3 | Dimethylphthalate            | 330                                           | U |
| 606-20-2 | 2,6-Dinitrotoluene           | 330                                           | U |
| 208-96-8 | Acenaphthylene               | 330                                           | U |
| 99-09-2  | 3-Nitroaniline               | 830                                           | U |
| 83-32-9  | Acenaphthene                 | 1100                                          |   |
| 51-28-5  | 2,4-Dinitrophenol            | 830                                           | U |
| 100-02-7 | 4-Nitrophenol                | 1900                                          |   |
| 132-64-9 | Dibenzofuran                 | 330                                           | U |
| 121-14-2 | 2,4-Dinitrotoluene           | 1000                                          |   |

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1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S10LCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-40084  
Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F8953.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|-----------|----------------------------|-----------------------------------------------|---|
| 84-66-2   | Diethylphthalate           | 330                                           | U |
| 86-73-7   | Fluorene                   | 330                                           | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 330                                           | U |
| 100-01-6  | 4-Nitroaniline             | 830                                           | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 830                                           | U |
| 86-30-6   | N-Nitrosodiphenylamine     | 330                                           | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 330                                           | U |
| 118-74-1  | Hexachlorobenzene          | 330                                           | U |
| 1912-24-9 | Atrazine                   | 330                                           | U |
| 87-86-5   | Pentachlorophenol          | 1800                                          |   |
| 85-01-8   | Phenanthrene               | 330                                           | U |
| 120-12-7  | Anthracene                 | 330                                           | U |
| 86-74-8   | Carbazole                  | 330                                           | U |
| 84-74-2   | Di-n-butylphthalate        | 330                                           | U |
| 206-44-0  | Fluoranthene               | 330                                           | U |
| 129-00-0  | Pyrene                     | 880                                           |   |
| 85-68-7   | Butylbenzylphthalate       | 330                                           | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 330                                           | U |
| 56-55-3   | Benzo(a)anthracene         | 330                                           | U |
| 218-01-9  | Chrysene                   | 330                                           | U |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 330                                           | U |
| 117-84-0  | Di-n-octylphthalate        | 330                                           | U |
| 205-99-2  | Benzo(b)fluoranthene       | 330                                           | U |
| 207-08-9  | Benzo(k)fluoranthene       | 330                                           | U |
| 50-32-8   | Benzo(a)pyrene             | 330                                           | U |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 330                                           | U |
| 53-70-3   | Dibenzo(a,h)anthracene     | 330                                           | U |
| 191-24-2  | Benzo(g,h,i)perylene       | 330                                           | U |

1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S10LCSD

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-40084  
Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F8954.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|----------|------------------------------|-----------------------------------------------|---|
| 100-52-7 | Benzaldehyde                 | 330                                           | U |
| 108-95-2 | Phenol                       | 2100                                          | B |
| 111-44-4 | Bis(2-chloroethyl)ether      | 330                                           | U |
| 95-57-8  | 2-Chlorophenol               | 1800                                          |   |
| 95-48-7  | 2-Methylphenol               | 330                                           | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 330                                           | U |
| 98-86-2  | Acetophenone                 | 330                                           | U |
| 106-44-5 | 4-Methylphenol               | 330                                           | U |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 1100                                          |   |
| 67-72-1  | Hexachloroethane             | 330                                           | U |
| 98-95-3  | Nitrobenzene                 | 330                                           | U |
| 78-59-1  | Isophorone                   | 330                                           | U |
| 88-75-5  | 2-Nitrophenol                | 330                                           | U |
| 105-67-9 | 2,4-Dimethylphenol           | 330                                           | U |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 330                                           | U |
| 120-83-2 | 2,4-Dichlorophenol           | 330                                           | U |
| 91-20-3  | Naphthalene                  | 330                                           | U |
| 106-47-8 | 4-Chloroaniline              | 330                                           | U |
| 87-68-3  | Hexachlorobutadiene          | 330                                           | U |
| 105-60-2 | Caprolactam                  | 330                                           | U |
| 59-50-7  | 4-Chloro-3-methylphenol      | 1700                                          |   |
| 91-57-6  | 2-Methylnaphthalene          | 330                                           | U |
| 77-47-4  | Hexachlorocyclopentadiene    | 330                                           | U |
| 88-06-2  | 2,4,6-Trichlorophenol        | 330                                           | U |
| 95-95-4  | 2,4,5-Trichlorophenol        | 830                                           | U |
| 92-52-4  | 1,1'-Biphenyl                | 330                                           | U |
| 91-58-7  | 2-Chloronaphthalene          | 330                                           | U |
| 88-74-4  | 2-Nitroaniline               | 830                                           | U |
| 131-11-3 | Dimethylphthalate            | 330                                           | U |
| 606-20-2 | 2,6-Dinitrotoluene           | 330                                           | U |
| 208-96-8 | Acenaphthylene               | 330                                           | U |
| 99-09-2  | 3-Nitroaniline               | 830                                           | U |
| 83-32-9  | Acenaphthene                 | 1100                                          |   |
| 51-28-5  | 2,4-Dinitrophenol            | 830                                           | U |
| 100-02-7 | 4-Nitrophenol                | 1700                                          |   |
| 132-64-9 | Dibenzofuran                 | 330                                           | U |
| 121-14-2 | 2,4-Dinitrotoluene           | 1100                                          |   |

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1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S10LCSD

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-40084  
Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F8954.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|-----------|----------------------------|-----------------------------------------------|---|
| 84-66-2   | Diethylphthalate           | 330                                           | U |
| 86-73-7   | Fluorene                   | 330                                           | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 330                                           | U |
| 100-01-6  | 4-Nitroaniline             | 830                                           | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 830                                           | U |
| 86-30-6   | N-Nitrosodiphenylamine     | 330                                           | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 330                                           | U |
| 118-74-1  | Hexachlorobenzene          | 330                                           | U |
| 1912-24-9 | Atrazine                   | 330                                           | U |
| 87-86-5   | Pentachlorophenol          | 1400                                          |   |
| 85-01-8   | Phenanthrene               | 330                                           | U |
| 120-12-7  | Anthracene                 | 330                                           | U |
| 86-74-8   | Carbazole                  | 330                                           | U |
| 84-74-2   | Di-n-butylphthalate        | 330                                           | U |
| 206-44-0  | Fluoranthene               | 330                                           | U |
| 129-00-0  | Pyrene                     | 760                                           |   |
| 85-68-7   | Butylbenzylphthalate       | 330                                           | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 330                                           | U |
| 56-55-3   | Benzo(a)anthracene         | 330                                           | U |
| 218-01-9  | Chrysene                   | 330                                           | U |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 330                                           | U |
| 117-84-0  | Di-n-octylphthalate        | 330                                           | U |
| 205-99-2  | Benzo(b)fluoranthene       | 330                                           | U |
| 207-08-9  | Benzo(k)fluoranthene       | 330                                           | U |
| 50-32-8   | Benzo(a)pyrene             | 330                                           | U |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 330                                           | U |
| 53-70-3   | Dibenzo(a,h)anthracene     | 330                                           | U |
| 191-24-2  | Benzo(g,h,i)perylene       | 330                                           | U |

1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S30LCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-40226  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4193.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: <u>UG/KG</u><br>(ug/L or ug/Kg) | Q |
|----------|------------------------------|------------------------------------------------------|---|
| 100-52-7 | Benzaldehyde                 | 10000                                                | U |
| 108-95-2 | Phenol                       | 39000                                                |   |
| 111-44-4 | Bis(2-chloroethyl)ether      | 10000                                                | U |
| 95-57-8  | 2-Chlorophenol               | 38000                                                |   |
| 95-48-7  | 2-Methylphenol               | 10000                                                | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10000                                                | U |
| 98-86-2  | Acetophenone                 | 10000                                                | U |
| 106-44-5 | 4-Methylphenol               | 10000                                                | U |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 27000                                                |   |
| 67-72-1  | Hexachloroethane             | 10000                                                | U |
| 98-95-3  | Nitrobenzene                 | 10000                                                | U |
| 78-59-1  | Isophorone                   | 10000                                                | U |
| 88-75-5  | 2-Nitrophenol                | 10000                                                | U |
| 105-67-9 | 2,4-Dimethylphenol           | 10000                                                | U |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 10000                                                | U |
| 120-83-2 | 2,4-Dichlorophenol           | 10000                                                | U |
| 91-20-3  | Naphthalene                  | 10000                                                | U |
| 106-47-8 | 4-Chloroaniline              | 10000                                                | U |
| 87-68-3  | Hexachlorobutadiene          | 10000                                                | U |
| 105-60-2 | Caprolactam                  | 10000                                                | U |
| 59-50-7  | 4-Chloro-3-methylphenol      | 45000                                                |   |
| 91-57-6  | 2-Methylnaphthalene          | 10000                                                | U |
| 77-47-4  | Hexachlorocyclopentadiene    | 10000                                                | U |
| 88-06-2  | 2,4,6-Trichlorophenol        | 10000                                                | U |
| 95-95-4  | 2,4,5-Trichlorophenol        | 25000                                                | U |
| 92-52-4  | 1,1'-Biphenyl                | 10000                                                | U |
| 91-58-7  | 2-Chloronaphthalene          | 10000                                                | U |
| 88-74-4  | 2-Nitroaniline               | 25000                                                | U |
| 131-11-3 | Dimethylphthalate            | 10000                                                | U |
| 606-20-2 | 2,6-Dinitrotoluene           | 10000                                                | U |
| 208-96-8 | Acenaphthylene               | 10000                                                | U |
| 99-09-2  | 3-Nitroaniline               | 25000                                                | U |
| 83-32-9  | Acenaphthene                 | 28000                                                |   |
| 51-28-5  | 2,4-Dinitrophenol            | 25000                                                | U |
| 100-02-7 | 4-Nitrophenol                | 48000                                                |   |
| 132-64-9 | Dibenzofuran                 | 10000                                                | U |
| 121-14-2 | 2,4-Dinitrotoluene           | 32000                                                |   |

EPA OLM

0051

1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S30LCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-40226  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4193.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|-----------|----------------------------|-----------------------------------------------|---|
| 84-66-2   | Diethylphthalate           | 10000                                         | U |
| 86-73-7   | Fluorene                   | 10000                                         | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10000                                         | U |
| 100-01-6  | 4-Nitroaniline             | 25000                                         | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 25000                                         | U |
| 86-30-6   | N-Nitrosodiphenylamine     | 10000                                         | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 10000                                         | U |
| 118-74-1  | Hexachlorobenzene          | 10000                                         | U |
| 1912-24-9 | Atrazine                   | 10000                                         | U |
| 87-86-5   | Pentachlorophenol          | 42000                                         |   |
| 85-01-8   | Phenanthrene               | 10000                                         | U |
| 120-12-7  | Anthracene                 | 10000                                         | U |
| 84-74-2   | Di-n-butylphthalate        | 10000                                         | U |
| 206-44-0  | Fluoranthene               | 10000                                         | U |
| 129-00-0  | Pyrene                     | 8900                                          | J |
| 85-68-7   | Butylbenzylphthalate       | 10000                                         | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 10000                                         | U |
| 56-55-3   | Benzo(a)anthracene         | 10000                                         | U |
| 218-01-9  | Chrysene                   | 10000                                         | U |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 10000                                         | U |
| 117-84-0  | Di-n-octylphthalate        | 10000                                         | U |
| 205-99-2  | Benzo(b)fluoranthene       | 10000                                         | U |
| 207-08-9  | Benzo(k)fluoranthene       | 10000                                         | U |
| 50-32-8   | Benzo(a)pyrene             | 10000                                         | U |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 10000                                         | U |
| 53-70-3   | Dibenzo(a,h)anthracene     | 10000                                         | U |
| 191-24-2  | Benzo(g,h,i)perylene       | 10000                                         | U |
| 86-74-8   | Carbazole                  | 10000                                         | U |

1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S30LCSD

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-40226  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4194.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|----------|------------------------------|-----------------------------------------------|---|
| 100-52-7 | Benzaldehyde                 | 10000                                         | U |
| 108-95-2 | Phenol                       | 58000                                         |   |
| 111-44-4 | Bis(2-chloroethyl)ether      | 10000                                         | U |
| 95-57-8  | 2-Chlorophenol               | 57000                                         |   |
| 95-48-7  | 2-Methylphenol               | 10000                                         | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10000                                         | U |
| 98-86-2  | Acetophenone                 | 10000                                         | U |
| 106-44-5 | 4-Methylphenol               | 10000                                         | U |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 37000                                         |   |
| 67-72-1  | Hexachloroethane             | 10000                                         | U |
| 98-95-3  | Nitrobenzene                 | 10000                                         | U |
| 78-59-1  | Isophorone                   | 10000                                         | U |
| 88-75-5  | 2-Nitrophenol                | 10000                                         | U |
| 105-67-9 | 2,4-Dimethylphenol           | 10000                                         | U |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 10000                                         | U |
| 120-83-2 | 2,4-Dichlorophenol           | 10000                                         | U |
| 91-20-3  | Naphthalene                  | 10000                                         | U |
| 106-47-8 | 4-Chloroaniline              | 10000                                         | U |
| 87-68-3  | Hexachlorobutadiene          | 10000                                         | U |
| 105-60-2 | Caprolactam                  | 10000                                         | U |
| 59-50-7  | 4-Chloro-3-methylphenol      | 59000                                         |   |
| 91-57-6  | 2-Methylnaphthalene          | 10000                                         | U |
| 77-47-4  | Hexachlorocyclopentadiene    | 10000                                         | U |
| 88-06-2  | 2,4,6-Trichlorophenol        | 10000                                         | U |
| 95-95-4  | 2,4,5-Trichlorophenol        | 25000                                         | U |
| 92-52-4  | 1,1'-Biphenyl                | 10000                                         | U |
| 91-58-7  | 2-Chloronaphthalene          | 10000                                         | U |
| 88-74-4  | 2-Nitroaniline               | 25000                                         | U |
| 131-11-3 | Dimethylphthalate            | 10000                                         | U |
| 606-20-2 | 2,6-Dinitrotoluene           | 10000                                         | U |
| 208-96-8 | Acenaphthylene               | 10000                                         | U |
| 99-09-2  | 3-Nitroaniline               | 25000                                         | U |
| 83-32-9  | Acenaphthene                 | 36000                                         |   |
| 51-28-5  | 2,4-Dinitrophenol            | 25000                                         | U |
| 100-02-7 | 4-Nitrophenol                | 60000                                         |   |
| 132-64-9 | Dibenzofuran                 | 10000                                         | U |
| 121-14-2 | 2,4-Dinitrotoluene           | 39000                                         |   |

EPA OLM

0053

1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

S30LCSD

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-40226  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4194.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|-----------|----------------------------|-----------------------------------------------|---|
| 84-66-2   | Diethylphthalate           | 10000                                         | U |
| 86-73-7   | Fluorene                   | 10000                                         | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10000                                         | U |
| 100-01-6  | 4-Nitroaniline             | 25000                                         | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 25000                                         | U |
| 86-30-6   | N-Nitrosodiphenylamine     | 10000                                         | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 10000                                         | U |
| 118-74-1  | Hexachlorobenzene          | 10000                                         | U |
| 1912-24-9 | Atrazine                   | 10000                                         | U |
| 87-86-5   | Pentachlorophenol          | 72000                                         |   |
| 85-01-8   | Phenanthrene               | 10000                                         | U |
| 120-12-7  | Anthracene                 | 10000                                         | U |
| 84-74-2   | Di-n-butylphthalate        | 10000                                         | U |
| 206-44-0  | Fluoranthene               | 10000                                         | U |
| 129-00-0  | Pyrene                     | 22000                                         |   |
| 85-68-7   | Butylbenzylphthalate       | 10000                                         | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 10000                                         | U |
| 56-55-3   | Benzo(a)anthracene         | 10000                                         | U |
| 218-01-9  | Chrysene                   | 10000                                         | U |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 10000                                         | U |
| 117-84-0  | Di-n-octylphthalate        | 10000                                         | U |
| 205-99-2  | Benzo(b)fluoranthene       | 10000                                         | U |
| 207-08-9  | Benzo(k)fluoranthene       | 10000                                         | U |
| 50-32-8   | Benzo(a)pyrene             | 4100                                          | J |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 1700                                          | J |
| 53-70-3   | Dibenzo(a,h)anthracene     | 10000                                         | U |
| 191-24-2  | Benzo(g,h,i)perylene       | 10000                                         | U |
| 86-74-8   | Carbazole                  | 10000                                         | U |



1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
 FEW-SED-7-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-01A  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: E2H4864F.D/E2H4864R.D  
 % Moisture: 32 Decanted: (Y/N) N Date Received: 11/11/2008  
 Extraction: (Type) SONC Date Extracted: 11/14/2008  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2008  
 Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y  
 Acid Cleanup: (Y/N) Y

| CAS NO.    | COMPOUND     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|------------|--------------|-----------------------------------------------|---|
| 12674-11-2 | Aroclor-1016 | 49                                            | U |
| 11104-28-2 | Aroclor-1221 | 49                                            | U |
| 11141-16-5 | Aroclor-1232 | 49                                            | U |
| 53469-21-9 | Aroclor-1242 | 49                                            | U |
| 12672-29-6 | Aroclor-1248 | 49                                            | U |
| 11097-69-1 | Aroclor-1254 | 49                                            | U |
| 11096-82-5 | Aroclor-1260 | 49                                            | U |

1H - FORM I ARO  
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
FEW-SED-8-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-02A  
Sample wt/vol: 30.2 (g/mL) G Lab File ID: E2H4865F.D/E2H4865R.D  
% Moisture: 29 Decanted: (Y/N) N Date Received: 11/11/2008  
Extraction: (Type) SONC Date Extracted: 11/14/2008  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2008  
Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y  
Acid Cleanup: (Y/N) Y

| CAS NO.    | COMPOUND     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|------------|--------------|-----------------------------------------------|---|
| 12674-11-2 | Aroclor-1016 | 46                                            | U |
| 11104-28-2 | Aroclor-1221 | 46                                            | U |
| 11141-16-5 | Aroclor-1232 | 46                                            | U |
| 53469-21-9 | Aroclor-1242 | 46                                            | U |
| 12672-29-6 | Aroclor-1248 | 46                                            | U |
| 11097-69-1 | Aroclor-1254 | 46                                            | U |
| 11096-82-5 | Aroclor-1260 | 46                                            | U |

1H - FORM I ARO  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.  
 FEW-SED-9-SED-0

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G2087-03A  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: E2H4866F.D/E2H4866R.D  
 % Moisture: 12 Decanted: (Y/N) N Date Received: 11/11/2008  
 Extraction: (Type) SONC Date Extracted: 11/14/2008  
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2008  
 Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y  
 Acid Cleanup: (Y/N) Y

| CAS NO.    | COMPOUND     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|------------|--------------|-----------------------------------------------|---|
| 12674-11-2 | Aroclor-1016 | 38                                            | U |
| 11104-28-2 | Aroclor-1221 | 38                                            | U |
| 11141-16-5 | Aroclor-1232 | 38                                            | U |
| 53469-21-9 | Aroclor-1242 | 38                                            | U |
| 12672-29-6 | Aroclor-1248 | 38                                            | U |
| 11097-69-1 | Aroclor-1254 | 38                                            | U |
| 11096-82-5 | Aroclor-1260 | 120                                           | P |

1H - FORM I PEST  
AROCOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS2D(1)

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-40083  
Sample wt/vol: 30 (g/mL) G Lab File ID: E2H4862F.D  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Extraction: (Type) SONC Date Extracted: 11/14/2008  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2008  
Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y  
Acid Cleanup: (Y/N) Y

| CAS NO.    | COMPOUND     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|------------|--------------|-----------------------------------------------|---|
| 12674-11-2 | Aroclor-1016 | 99                                            |   |
| 11104-28-2 | Aroclor-1221 | 33                                            | U |
| 11141-16-5 | Aroclor-1232 | 33                                            | U |
| 53469-21-9 | Aroclor-1242 | 33                                            | U |
| 12672-29-6 | Aroclor-1248 | 33                                            | U |
| 11097-69-1 | Aroclor-1254 | 33                                            | U |
| 11096-82-5 | Aroclor-1260 | 140                                           |   |

SW846

0058

1H - FORM I PEST  
AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS2D(2)

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-40083  
Sample wt/vol: 30 (g/mL) G Lab File ID: E2H4862R.D  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Extraction: (Type) SONC Date Extracted: 11/14/2008  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2008  
Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y  
Acid Cleanup: (Y/N) Y

| CAS NO.    | COMPOUND     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|------------|--------------|-----------------------------------------------|---|
| 12674-11-2 | Aroclor-1016 | 100                                           |   |
| 11104-28-2 | Aroclor-1221 | 33                                            | U |
| 11141-16-5 | Aroclor-1232 | 33                                            | U |
| 53469-21-9 | Aroclor-1242 | 33                                            | U |
| 12672-29-6 | Aroclor-1248 | 33                                            | U |
| 11097-69-1 | Aroclor-1254 | 33                                            | U |
| 11096-82-5 | Aroclor-1260 | 140                                           |   |

SW846

0059

1H - FORM I PEST  
 AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD2D(1)

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-40083

Sample wt/vol: 30 (g/mL) G Lab File ID: E2H4863F.D

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_

Extraction: (Type) SONC Date Extracted: 11/14/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

| CAS NO.    | COMPOUND     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|------------|--------------|-----------------------------------------------|---|
| 12674-11-2 | Aroclor-1016 | 110                                           |   |
| 11104-28-2 | Aroclor-1221 | 33                                            | U |
| 11141-16-5 | Aroclor-1232 | 33                                            | U |
| 53469-21-9 | Aroclor-1242 | 33                                            | U |
| 12672-29-6 | Aroclor-1248 | 33                                            | U |
| 11097-69-1 | Aroclor-1254 | 33                                            | U |
| 11096-82-5 | Aroclor-1260 | 140                                           |   |

SW846

0060

1H - FORM I PEST  
AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD2D(2)

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCSD-40083  
Sample wt/vol: 30 (g/mL) G Lab File ID: E2H4863R.D  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Extraction: (Type) SONC Date Extracted: 11/14/2008  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2008  
Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y  
Acid Cleanup: (Y/N) Y

| CAS NO.    | COMPOUND     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|------------|--------------|-----------------------------------------------|---|
| 12674-11-2 | Aroclor-1016 | 110                                           |   |
| 11104-28-2 | Aroclor-1221 | 33                                            | U |
| 11141-16-5 | Aroclor-1232 | 33                                            | U |
| 53469-21-9 | Aroclor-1242 | 33                                            | U |
| 12672-29-6 | Aroclor-1248 | 33                                            | U |
| 11097-69-1 | Aroclor-1254 | 33                                            | U |
| 11096-82-5 | Aroclor-1260 | 150                                           |   |

## U.S. EPA - CLP

1

EPA SAMPLE NO.

## INORGANIC ANALYSIS DATA SHEET

FEW-SED-7-SED-0

Lab Name: Mitkem LaboratoriesContract: 2008.0011.0Lab Code: MITKEM

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: MG2087Matrix (soil/water): SOILLab Sample ID: G2087-01Level (low/med): MEDDate Received: 11/11/2008% Solids: 68.0Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 5960          |   |    | P  |
| 7440-36-0 | Antimony  | 2.5           | B | N  | P  |
| 7440-38-2 | Arsenic   | 211           |   | N  | P  |
| 7440-39-3 | Barium    | 119           |   | N  | P  |
| 7440-41-7 | Beryllium | 1.0           | B | N  | P  |
| 7440-43-9 | Cadmium   | 2.3           |   | *  | P  |
| 7440-70-2 | Calcium   | 6090          |   |    | P  |
| 7440-47-3 | Chromium  | 83.0          |   | *  | P  |
| 7440-48-4 | Cobalt    | 19.5          |   | N  | P  |
| 7440-50-8 | Copper    | 535           |   |    | P  |
| 7439-89-6 | Iron      | 140000        |   | E  | P  |
| 7439-92-1 | Lead      | 7190          |   | *  | P  |
| 7439-95-4 | Magnesium | 1830          |   |    | P  |
| 7439-96-5 | Manganese | 630           |   |    | P  |
| 7439-97-6 | Mercury   | 2.2           |   | N  | CV |
| 7440-02-0 | Nickel    | 85.7          |   | N* | P  |
| 7440-09-7 | Potassium | 456           | B |    | P  |
| 7782-49-2 | Selenium  | 3.2           |   |    | P  |
| 7440-22-4 | Silver    | 20.7          |   |    | P  |
| 7440-23-5 | Sodium    | 136           | B |    | P  |
| 7440-28-0 | Thallium  | 0.59          | U | N  | P  |
| 7440-62-2 | Vanadium  | 54.3          |   | N  | P  |
| 7440-66-6 | Zinc      | 980           |   |    | P  |

Color Before BLACK

Clarity Before: \_\_\_\_\_

Texture: COARSEColor After: YELLOWClarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:



## U.S. EPA - CLP

1

EPA SAMPLE NO.

## INORGANIC ANALYSIS DATA SHEET

FEW-SED-8-SED-0

Lab Name: Mitkem Laboratories Contract: 2008.0011.0

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MG2087

Matrix (soil/water): SOIL Lab Sample ID: G2087-02

Level (low/med): MED Date Received: 11/11/2008

% Solids: 71.0

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

| CAS No.   | Analyte   | Concentration | C | Q  | M  |
|-----------|-----------|---------------|---|----|----|
| 7429-90-5 | Aluminum  | 1920          |   |    | P  |
| 7440-36-0 | Antimony  | 0.77          | B | N  | P  |
| 7440-38-2 | Arsenic   | 7.1           |   | N  | P  |
| 7440-39-3 | Barium    | 26.7          | B | N  | P  |
| 7440-41-7 | Beryllium | 0.17          | B | N  | P  |
| 7440-43-9 | Cadmium   | 0.39          | B | *  | P  |
| 7440-70-2 | Calcium   | 1300          |   |    | P  |
| 7440-47-3 | Chromium  | 19.9          |   | *  | P  |
| 7440-48-4 | Cobalt    | 2.1           | B | N  | P  |
| 7440-50-8 | Copper    | 23.8          |   |    | P  |
| 7439-89-6 | Iron      | 8210          |   | E  | P  |
| 7439-92-1 | Lead      | 61.5          |   | *  | P  |
| 7439-95-4 | Magnesium | 604           | B |    | P  |
| 7439-96-5 | Manganese | 105           |   |    | P  |
| 7439-97-6 | Mercury   | 0.023         | B | N  | CV |
| 7440-02-0 | Nickel    | 20.4          |   | N* | P  |
| 7440-09-7 | Potassium | 243           | B |    | P  |
| 7782-49-2 | Selenium  | 1.4           |   |    | P  |
| 7440-22-4 | Silver    | 0.41          | B |    | P  |
| 7440-23-5 | Sodium    | 61.8          | B |    | P  |
| 7440-28-0 | Thallium  | 0.19          |   | N  | P  |
| 7440-62-2 | Vanadium  | 12.4          |   | N  | P  |
| 7440-66-6 | Zinc      | 144           |   |    | P  |

Color Before BLACK Clarity Before: \_\_\_\_\_ Texture: COARSE

Color After: YELLOW Clarity After: CLEAR Artifacts: \_\_\_\_\_

Comments:

## U.S. EPA - CLP

1

EPA SAMPLE NO.

## INORGANIC ANALYSIS DATA SHEET

FEW-SED-9-SED-0

Lab Name: Mitkem Laboratories

Contract: 2008.0011.0

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MG2087

Matrix (soil/water): SOIL

Lab Sample ID: G2087-03

Level (low/med): MED

Date Received: 11/11/2008

% Solids: 88.0

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

| CAS No.   | Analyte   | Concentration | C   | Q  | M  |
|-----------|-----------|---------------|-----|----|----|
| 7429-90-5 | Aluminum  | 10300         |     |    | P  |
| 7440-36-0 | Antimony  | 4.6           | B N |    | P  |
| 7440-38-2 | Arsenic   | 16.8          |     | N  | P  |
| 7440-39-3 | Barium    | 560           |     | N  | P  |
| 7440-41-7 | Beryllium | 0.66          | B N |    | P  |
| 7440-43-9 | Cadmium   | 7.0           |     | *  | P  |
| 7440-70-2 | Calcium   | 29500         |     |    | P  |
| 7440-47-3 | Chromium  | 367           |     | *  | P  |
| 7440-48-4 | Cobalt    | 9.2           | B N |    | P  |
| 7440-50-8 | Copper    | 516           |     |    | P  |
| 7439-89-6 | Iron      | 54000         |     | E  | P  |
| 7439-92-1 | Lead      | 1180          |     | *  | P  |
| 7439-95-4 | Magnesium | 4730          |     |    | P  |
| 7439-96-5 | Manganese | 2330          |     |    | P  |
| 7439-97-6 | Mercury   | 2.3           |     | N  | CV |
| 7440-02-0 | Nickel    | 418           |     | N* | P  |
| 7440-09-7 | Potassium | 1600          |     |    | P  |
| 7782-49-2 | Selenium  | 3.7           |     |    | P  |
| 7440-22-4 | Silver    | 212           |     |    | P  |
| 7440-23-5 | Sodium    | 240           | B   |    | P  |
| 7440-28-0 | Thallium  | 3.4           |     | N  | P  |
| 7440-62-2 | Vanadium  | 20.8          |     | N  | P  |
| 7440-66-6 | Zinc      | 5900          |     |    | P  |

Color Before BROWN

Clarity Before:

Texture: FINE

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

## 7

|                     |                     |            |              |          |        |
|---------------------|---------------------|------------|--------------|----------|--------|
| Lab Name:           | Mitkem Laboratories | Contract:  | 2008.0011.00 |          |        |
| Lab Code:           | MITKEM              | Case No.:  | SAS No.:     | SDG No.: | MG2087 |
| Solid LCS Source:   |                     | LCS(D) ID: |              |          |        |
| Aqueous LCS Source: |                     | LCS-40027  |              |          |        |

|         | Aqueous (ug/L) |       |    | Solid (mg/kg) |       |   |        |     |       |
|---------|----------------|-------|----|---------------|-------|---|--------|-----|-------|
| Analyte | True           | Found | %R | True          | Found | C | Limits | %R  |       |
| Mercury |                |       |    | 4.5           | 5.6   |   | 3      | 5.9 | 124.4 |

## U.S. EPA - CLP

7

## LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 2008.0011.00Lab Code: MITKEM Case No.:  SAS No.:  SDG No.: MG2087Solid LCS Source: 

LCS(D) ID:

Aqueous LCS Source: 

LCS-40030

| Analyte   | Aqueous (ug/L) |       |    | Solid (mg/kg) |         |   |                |       |
|-----------|----------------|-------|----|---------------|---------|---|----------------|-------|
|           | True           | Found | %R | True          | Found   | C | Limits         | %R    |
| Aluminum  |                |       |    | 9030.0        | 9259.7  |   | 4730 13300.0   | 102.5 |
| Antimony  |                |       |    | 107.0         | 69.1    |   | 0 226.0        | 64.6  |
| Arsenic   |                |       |    | 88.8          | 93.7    |   | 71.8 106.0     | 105.5 |
| Barium    |                |       |    | 427.0         | 459.6   |   | 353 501.0      | 107.6 |
| Beryllium |                |       |    | 61.3          | 65.0    |   | 50.9 71.7      | 106.0 |
| Cadmium   |                |       |    | 63.0          | 67.3    |   | 51.7 74.3      | 106.8 |
| Calcium   |                |       |    | 7630.0        | 7481.3  |   | 6160 9100.0    | 98.1  |
| Chromium  |                |       |    | 97.9          | 100.2   |   | 77.2 118.0     | 102.3 |
| Cobalt    |                |       |    | 74.7          | 81.0    |   | 61.1 88.3      | 108.4 |
| Copper    |                |       |    | 87.0          | 95.3    |   | 71.7 102.0     | 109.5 |
| Iron      |                |       |    | 16500.0       | 14589.9 |   | 8389.9 24600.0 | 88.4  |
| Lead      |                |       |    | 88.9          | 96.5    |   | 72.7 105.0     | 108.5 |
| Magnesium |                |       |    | 3050.0        | 3217.3  |   | 2230 3880.0    | 105.5 |
| Manganese |                |       |    | 301.0         | 333.8   |   | 238 364.0      | 110.9 |
| Nickel    |                |       |    | 116.0         | 124.9   |   | 95.8 136.0     | 107.7 |
| Potassium |                |       |    | 2810.0        | 2802.4  |   | 2060 3560.0    | 99.7  |
| Selenium  |                |       |    | 155.0         | 160.4   |   | 120 190.0      | 103.5 |
| Silver    |                |       |    | 81.6          | 83.6    |   | 54.1 109.0     | 102.5 |
| Sodium    |                |       |    | 456.0         | 458.7   | B | 292 620.0      | 100.6 |
| Thallium  |                |       |    | 131.0         | 137.0   |   | 101 161.0      | 104.6 |
| Vanadium  |                |       |    | 106.0         | 105.9   |   | 81.7 130.0     | 99.9  |
| Zinc      |                |       |    | 230.0         | 249.3   |   | 182 278.0      | 108.4 |

## SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES

Contract: \_\_\_\_\_

Lab Code: MITKEM

Case No.: \_\_\_\_\_

Mod. Ref No.: \_\_\_\_\_

SDG No.: MG2087

Level: (LOW/MED) LOW

|    | EPA<br>SAMPLE NO.     | VDMC1<br>(TOL) # | VDMC2<br>(BFB) # | VDMC3<br>(DCE) # |  |  |  |  | TOT<br>OUT |
|----|-----------------------|------------------|------------------|------------------|--|--|--|--|------------|
| 01 | VBLK6X                | 102              | 101              | 100              |  |  |  |  | 0          |
| 02 | FEW-SED-7-SE<br>D-0   | 117              | 79               | 104              |  |  |  |  | 0          |
| 03 | FEW-SED-8-SE<br>D-0   | 150 *            | 85               | 111              |  |  |  |  | 1          |
| 04 | FEW-SED-9-SE<br>D-0   | 159 *            | 77               | 121              |  |  |  |  | 1          |
| 05 | VBLK6G                | 101              | 91               | 96               |  |  |  |  | 0          |
| 06 | V6GLCS                | 102              | 91               | 99               |  |  |  |  | 0          |
| 07 | FEW-SED-8-SE<br>D-ORX | 208 *            | 65               | 136 *            |  |  |  |  | 2          |
| 08 | FEW-SED-7-SE<br>D-ORX | 121              | 81               | 124 *            |  |  |  |  | 1          |
| 09 | FEW-SED-9-SE<br>D-ORX | 192 *            | 67               | 135 *            |  |  |  |  | 2          |
| 10 | VHBLK6G               | 116              | 103              | 113              |  |  |  |  | 0          |

VDMC1 (TOL) = Toluene-d8

VDMC2 (BFB) = Bromofluorobenzene

VDMC3 (DCE) = 1,2-Dichloroethane-d4

QC LIMITS

(84-138)

(59-113)

(70-121)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

## SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES

Contract: \_\_\_\_\_

Lab Code: MITKEM

Case No.: \_\_\_\_\_

Mod. Ref No.: \_\_\_\_\_

SDG No.: MG2087

Level: (LOW/MED) LOW

|    | EPA<br>SAMPLE NO.     | SDMC1<br>(NBZ) # | SDMC2<br>(FBP) # | SDMC3<br>(TPH) # | SDMC4<br>(PHL) # | SDMC5<br>(2FP) # | SDMC6<br>(TBP) # | SDMC7<br>(2CP) # | SDMC8<br>(DCB) # | TOT<br>OUT |
|----|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|
| 01 | SBLK10                | 83               | 84               | 92               | 89               | 87               | 86               | 85               | 74               | 0          |
| 02 | S10LCS                | 60               | 69               | 94               | 69               | 68               | 78               | 67               | 56               | 0          |
| 03 | S10LCSD               | 68               | 68               | 76               | 78               | 73               | 70               | 73               | 67               | 0          |
| 04 | FEW-SED-9-SE<br>D-0DL | 28               | 32               | 42               | 31               | 28               | 34               | 30               | 26               | 0          |
| 05 | FEW-SED-9-SE<br>D-0   | 26               | 31               | 50               | 30               | 27               | 33               | 28               | 25               | 0          |

QC LIMITS

|       |                                |          |
|-------|--------------------------------|----------|
| SDMC1 | (NBZ) = Nitrobenzene-d5        | (23-120) |
| SDMC2 | (FBP) = 2-Fluorobiphenyl       | (30-115) |
| SDMC3 | (TPH) = Terphenyl-d14          | (18-137) |
| SDMC4 | (PHL) = Phenol-d5              | (24-113) |
| SDMC5 | (2FP) = 2-Fluorophenol         | (25-121) |
| SDMC6 | (TBP) = 2,4,6-Tribromophenol   | (19-122) |
| SDMC7 | (2CP) = 2-Chlorophenol-d4      | (20-130) |
| SDMC8 | (DCB) = 1,2-Dichlorobenzene-d4 | (20-130) |

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D DMC diluted out

## SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES

Contract: \_\_\_\_\_

Lab Code: MITKEM

Case No.: \_\_\_\_\_

Mod. Ref No.: \_\_\_\_\_

SDG No.: MG2087

Level: (LOW/MED) MED

|    | EPA<br>SAMPLE NO.     | SDMC1<br>(NBZ) # | SDMC2<br>(FBP) # | SDMC3<br>(TPH) # | SDMC4<br>(PHL) # | SDMC5<br>(2FP) # | SDMC6<br>(TBP) # | SDMC7<br>(2CP) # | SDMC8<br>(DCB) # | TOT<br>OUT |
|----|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|
| 01 | SBLK30                | 73               | 74               | 100              | 72               | 68               | 65               | 71               | 61               | 0          |
| 02 | S3OLCS                | 53               | 57               | 106              | 53               | 48               | 62               | 52               | 47               | 0          |
| 03 | S3OLCSD               | 78               | 79               | 112              | 80               | 73               | 85               | 79               | 77               | 0          |
| 04 | FEW-SED-7-SE<br>D-0   | 53               | 58               | 81               | 53               | 43               | 65               | 51               | 48               | 0          |
| 05 | FEW-SED-8-SE<br>D-0   | 78               | 83               | 183              | 78               | 62               | 104              | 76               | 71               | 0          |
| 06 | FEW-SED-7-SE<br>D-ODL | 0 D              | 0 D              | 102              | 0 D              | 0 D              | 0 D              | 0 D              | 0 D              | 7          |
| 07 | FEW-SED-8-SE<br>D-ODL | 0 D              | 0 D              | 0 D              | 0 D              | 0 D              | 0 D              | 0 D              | 0 D              | 8          |

QC LIMITS

|       |                                |          |
|-------|--------------------------------|----------|
| SDMC1 | (NBZ) = Nitrobenzene-d5        | (23-120) |
| SDMC2 | (FBP) = 2-Fluorobiphenyl       | (30-115) |
| SDMC3 | (TPH) = Terphenyl-d14          | (18-137) |
| SDMC4 | (PHL) = Phenol-d5              | (24-113) |
| SDMC5 | (2FP) = 2-Fluorophenol         | (25-121) |
| SDMC6 | (TBP) = 2,4,6-Tribromophenol   | (19-122) |
| SDMC7 | (2CP) = 2-Chlorophenol-d4      | (20-130) |
| SDMC8 | (DCB) = 1,2-Dichlorobenzene-d4 | (20-130) |

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D DMC diluted out

2R - FORM II ARO-2  
SOIL AROCLOR SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

|    | CLIENT<br>SAMPLE NO. | TCX 1<br>%REC # | TCX 2<br>%REC # | DCB 1<br>%REC # | DCB 2<br>%REC # | OTHER<br>(1) | OTHER<br>(2) | TOT<br>OUT |
|----|----------------------|-----------------|-----------------|-----------------|-----------------|--------------|--------------|------------|
| 01 | ABLK2D               | 49              | 47              | 76              | 77              |              |              | 0          |
| 02 | ALCS2D               | 46              | 44              | 82              | 81              |              |              | 0          |
| 03 | ALCSD2D              | 47              | 47              | 90              | 88              |              |              | 0          |
| 04 | FEW-SED-7-SE<br>D-0  | 26 *            | 39              | 46 *            | 86              |              |              | 2          |
| 05 | FEW-SED-8-SE<br>D-0  | 25 *            | 33              | 80              | 121             |              |              | 1          |
| 06 | FEW-SED-9-SE<br>D-0  | 33              | 38              | 28 *            | 371 *           |              |              | 2          |

TCX = Tetrachloro-m-xylene  
DCB = Decachlorobiphenyl

QC LIMITS  
(27-120)  
(60-125)

# Column to be used to flag recovery values  
\* Values outside of QC limits  
D Surrogate diluted out



3 - FORM III  
SOIL LABORATORY CONTROL  
SAMPLE RECOVERY

EPA SAMPLE NO.

V6GLCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Lab Sample ID: LCS-40161 LCS Lot No.: \_\_\_\_\_  
Date Extracted: 11/18/2008 Date Analyzed (1): 11/19/2008

| COMPOUND           | SPIKE<br>ADDED | SAMPLE<br>CONCENTRATION | LCS<br>CONCENTRATION | LCS %REC | # | QC.<br>LIMITS<br>REC. |
|--------------------|----------------|-------------------------|----------------------|----------|---|-----------------------|
| 1,1-Dichloroethene | 50.0000        | 0.0000                  | 31.9463              | 64       |   | 59 - 172              |
| Benzene            | 50.0000        | 0.0000                  | 46.5845              | 93       |   | 66 - 142              |
| Trichloroethene    | 50.0000        | 0.0000                  | 45.5658              | 91       |   | 62 - 137              |
| Toluene            | 50.0000        | 0.0000                  | 49.9456              | 100      |   | 59 - 139              |
| Chlorobenzene      | 50.0000        | 0.0000                  | 52.5658              | 105      |   | 60 - 133              |

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

\* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

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

3 - FORM III  
SOIL LABORATORY CONTROL  
SAMPLE RECOVERY

EPA SAMPLE NO.

S10LCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Lab Sample ID: LCS-40084 LCS Lot No.: \_\_\_\_\_  
Date Extracted: 11/15/2008 Date Analyzed (1): 11/19/2008

| COMPOUND                   | SPIKE<br>ADDED | SAMPLE<br>CONCENTRATION | LCS<br>CONCENTRATION | LCS %REC | # | QC.<br>LIMITS<br>REC. |
|----------------------------|----------------|-------------------------|----------------------|----------|---|-----------------------|
| Phenol                     | 2500.0000      | 0.0000                  | 1844.7170            | 74       |   | 26 - 90               |
| 2-Chlorophenol             | 2500.0000      | 0.0000                  | 1624.0580            | 65       |   | 25 - 102              |
| N-Nitroso-di-n-propylamine | 1667.0000      | 0.0000                  | 1017.9652            | 61       |   | 41 - 126              |
| 4-Chloro-3-methylphenol    | 2500.0000      | 0.0000                  | 1713.1679            | 69       |   | 26 - 103              |
| Acenaphthene               | 1667.0000      | 0.0000                  | 1147.4576            | 69       |   | 31 - 137              |
| 4-Nitrophenol              | 2500.0000      | 0.0000                  | 1850.0569            | 74       |   | 11 - 114              |
| 2,4-Dinitrotoluene         | 1667.0000      | 0.0000                  | 1038.3541            | 62       |   | 28 - 89               |
| Pentachlorophenol          | 2500.0000      | 0.0000                  | 1848.4504            | 74       |   | 17 - 109              |
| Pyrene                     | 1667.0000      | 0.0000                  | 880.8070             | 53       |   | 35 - 142              |

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

\* Values outside of QC limits

Spike Recovery: 0 out of 9 outside limits

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

EPA OLM

0072

3 - FORM III  
SOIL LABORATORY CONTROL  
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

S10LCSD

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM

Case No.:

Mod. Ref No.:

SDG No.: MG2087

Lab Sample ID: LCSD-40084

LCS Lot No.:

| COMPOUND                   | SPIKE<br>ADDED | LCSD<br>CONCENTRATION | LCSD %REC | # | %RPD | # | QC LIMITS |          |
|----------------------------|----------------|-----------------------|-----------|---|------|---|-----------|----------|
|                            |                |                       |           |   |      |   | RPD       | REC.     |
| Phenol                     | 2500.0000      | 2130.6875             | 85        |   | 14   |   | 35        | 26 - 90  |
| 2-Chlorophenol             | 2500.0000      | 1798.7925             | 72        |   | 10   |   | 50        | 25 - 102 |
| N-Nitroso-di-n-propylamine | 1667.0000      | 1075.6513             | 65        |   | 6    |   | 38        | 41 - 126 |
| 4-Chloro-3-methylphenol    | 2500.0000      | 1686.2407             | 67        |   | 3    |   | 33        | 26 - 103 |
| Acenaphthene               | 1667.0000      | 1090.2474             | 65        |   | 6    |   | 19        | 31 - 137 |
| 4-Nitrophenol              | 2500.0000      | 1733.6322             | 69        |   | 7    |   | 50        | 11 - 114 |
| 2,4-Dinitrotoluene         | 1667.0000      | 1070.1815             | 64        |   | 3    |   | 47        | 28 - 89  |
| Pentachlorophenol          | 2500.0000      | 1390.1644             | 56        |   | 28   |   | 47        | 17 - 109 |
| Pyrene                     | 1667.0000      | 755.2492              | 45        |   | 16   |   | 36        | 35 - 142 |

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

\* Values outside of QC limits

RPD: 0 out of 9 outside limits

Spike Recovery: 0 out of 9 outside limits

COMMENTS:

3 - FORM III  
SOIL LABORATORY CONTROL  
SAMPLE RECOVERY

EPA SAMPLE NO.

S30LCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Lab Sample ID: LCS-40226 LCS Lot No.: \_\_\_\_\_  
Date Extracted: 11/20/2008 Date Analyzed (1): 11/26/2008

| COMPOUND                   | SPIKE<br>ADDED | SAMPLE<br>CONCENTRATION | LCS<br>CONCENTRATION | LCS %REC | # | QC.<br>LIMITS<br>REC. |
|----------------------------|----------------|-------------------------|----------------------|----------|---|-----------------------|
| Phenol                     | 75000.0000     | 0.0000                  | 39093.6204           | 52       |   | 26 - 90               |
| 2-Chlorophenol             | 75000.0000     | 0.0000                  | 37757.9258           | 50       |   | 25 - 102              |
| N-Nitroso-di-n-propylamine | 50000.0000     | 0.0000                  | 26700.9212           | 53       |   | 41 - 126              |
| 4-Chloro-3-methylphenol    | 75000.0000     | 0.0000                  | 44917.2441           | 60       |   | 26 - 103              |
| Acenaphthene               | 50000.0000     | 0.0000                  | 27699.1903           | 55       |   | 31 - 137              |
| 4-Nitrophenol              | 75000.0000     | 0.0000                  | 48357.2525           | 64       |   | 11 - 114              |
| 2,4-Dinitrotoluene         | 50000.0000     | 0.0000                  | 31791.9905           | 64       |   | 28 - 89               |
| Pentachlorophenol          | 75000.0000     | 0.0000                  | 42340.6582           | 56       |   | 17 - 109              |
| Pyrene                     | 50000.0000     | 0.0000                  | 8921.3999            | 18       | * | 35 - 142              |

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

\* Values outside of QC limits

Spike Recovery: 1 out of 9 outside limits

COMMENTS:

EPA OLM

0074

3 - FORM III  
SOIL LABORATORY CONTROL  
SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

S30LCSD

Lab Name: MITKEM LABORATORIES

Contract: \_\_\_\_\_

Lab Code: MITKEM

Case No.: \_\_\_\_\_

Mod. Ref No.: \_\_\_\_\_

SDG No.: MG2087

Lab Sample ID: LCSD-40226

LCS Lot No.: \_\_\_\_\_

| COMPOUND                   | SPIKE<br>ADDED | LCSD<br>CONCENTRATION | LCSD %REC | # | %RPD | # | QC LIMITS |          |
|----------------------------|----------------|-----------------------|-----------|---|------|---|-----------|----------|
|                            |                |                       |           |   |      |   | RPD       | REC.     |
| Phenol                     | 75000.0000     | 57863.5012            | 77        |   | 39   | * | 35        | 26 - 90  |
| 2-Chlorophenol             | 75000.0000     | 57420.1672            | 77        |   | 43   |   | 50        | 25 - 102 |
| N-Nitroso-di-n-propylamine | 50000.0000     | 36651.0679            | 73        |   | 32   |   | 38        | 41 - 126 |
| 4-Chloro-3-methylphenol    | 75000.0000     | 59077.0922            | 79        |   | 27   |   | 33        | 26 - 103 |
| Acenaphthene               | 50000.0000     | 36076.2222            | 72        |   | 27   | * | 19        | 31 - 137 |
| 4-Nitrophenol              | 75000.0000     | 60338.1169            | 80        |   | 22   |   | 50        | 11 - 114 |
| 2,4-Dinitrotoluene         | 50000.0000     | 38622.6506            | 77        |   | 18   |   | 47        | 28 - 89  |
| Pentachlorophenol          | 75000.0000     | 71654.3678            | 96        |   | 53   | * | 47        | 17 - 109 |
| Pyrene                     | 50000.0000     | 21687.5331            | 43        |   | 82   | * | 36        | 35 - 142 |

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

\* Values outside of QC limits

RPD: 4 out of 9 outside limits

Spike Recovery: 0 out of 9 outside limits

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

3P - FORM III ARO-4  
SOIL AROCLOR LABORATORY CONTROL  
SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCS2D

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Lab Sample ID: LCS-40083 LCS Lot No.: \_\_\_\_\_  
Date Extracted: 11/14/2008 Date Analyzed (1): 11/18/2008  
Instrument ID (1): E2 GC Column(1): CLPPest ID: 0.53 (mm)

| COMPOUND     | AMOUNT ADDED<br>(UG/KG) | AMOUNT RECOVERED<br>(UG/KG) | %REC # | QC LIMITS |
|--------------|-------------------------|-----------------------------|--------|-----------|
| Aroclor-1016 | 133.3330                | 99.2582                     | 74     | 40-140    |
| Aroclor-1260 | 133.3330                | 136.3725                    | 102    | 60-130    |

Instrument ID (2): E2 GC Column(2): CLPPestII ID: 0.53 (mm)  
Date Analyzed (2): 11/18/2008

| COMPOUND     | AMOUNT ADDED<br>(UG/KG) | AMOUNT RECOVERED<br>(UG/KG) | %REC # | QC LIMITS |
|--------------|-------------------------|-----------------------------|--------|-----------|
| Aroclor-1016 | 133.3330                | 103.3263                    | 77     | 40-140    |
| Aroclor-1260 | 133.3330                | 136.6952                    | 103    | 60-130    |

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

\* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

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

SW846

0076

3P - FORM III ARO-4  
SOIL AROCLOR LABORATORY CONTROL  
SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCSD2D

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Lab Sample ID: LCSD-40083 LCS Lot No.: \_\_\_\_\_  
Date Extracted: 11/14/2008 Date Analyzed (1): 11/18/2008  
Instrument ID (1): E2 GC Column(1): CLPPest ID: 0.53 (mm)

| COMPOUND     | AMOUNT ADDED<br>(UG/KG) | AMOUNT RECOVERED<br>(UG/KG) | %REC # | QC LIMITS |
|--------------|-------------------------|-----------------------------|--------|-----------|
| Aroclor-1016 | 133.3330                | 105.2103                    | 79     | 40-140    |
| Aroclor-1260 | 133.3330                | 144.4734                    | 108    | 60-130    |

Instrument ID (2): E2 GC Column(2): CLPPestII ID: 0.53 (mm)  
Date Analyzed (2): 11/18/2008

| COMPOUND     | AMOUNT ADDED<br>(UG/KG) | AMOUNT RECOVERED<br>(UG/KG) | %REC # | QC LIMITS |
|--------------|-------------------------|-----------------------------|--------|-----------|
| Aroclor-1016 | 133.3330                | 109.2203                    | 82     | 40-140    |
| Aroclor-1260 | 133.3330                | 148.0495                    | 111    | 60-130    |

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

\* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

SW846

0077

## U.S. EPA - CLP

5A

EPA SAMPLE NO.

## SPIKE SAMPLE RECOVERY

FEW-SED-9-SED-0S

Lab Name: Mitkem Laboratories

Contract: 2008.0011.0

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MG2087

Matrix (soil/water): SOIL

Level (low/med): MED

% Solids for Sample: 88.0

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

| Analyte   | Control<br>Limit<br>%R | Spiked Sample<br>Result (SSR) C | Sample<br>Result (SR) C | Spike<br>Added (SA) | %R      | Q | M  |
|-----------|------------------------|---------------------------------|-------------------------|---------------------|---------|---|----|
| Antimony  | 75-125                 | 14.1137                         | 4.6399 B                | 21.65               | 43.8    | N | P  |
| Arsenic   | 75-125                 | 28.2231                         | 16.8386                 | 8.66                | 131.5   | N | P  |
| Barium    | 75-125                 | 1353.8803                       | 560.1937                | 432.90              | 183.3   | N | P  |
| Beryllium | 75-125                 | 17.3072                         | 0.6566 B                | 10.82               | 153.9   | N | P  |
| Cadmium   |                        | 8.4230                          | 6.9566                  | 1.08                | 135.8   |   | P  |
| Chromium  |                        | 369.5618                        | 366.9723                | 43.29               | 6.0     |   | P  |
| Cobalt    | 75-125                 | 173.4910                        | 9.1848 B                | 108.23              | 151.8   | N | P  |
| Copper    |                        | 548.5771                        | 515.8513                | 54.11               | 60.5    |   | P  |
| Lead      |                        | 954.6628                        | 1180.6587               | 4.33                | -5219.3 |   | P  |
| Manganese |                        | 2351.3033                       | 2331.7233               | 108.23              | 18.1    |   | P  |
| Nickel    | 75-125                 | 557.8485                        | 417.6680                | 108.23              | 129.5   | N | P  |
| Selenium  | 75-125                 | 6.2073                          | 3.7206                  | 2.16                | 115.1   |   | P  |
| Silver    |                        | 201.0141                        | 211.9522                | 10.82               | -101.1  |   | P  |
| Thallium  | 75-125                 | 19.2378                         | 3.4414                  | 10.82               | 146.0   | N | P  |
| Vanadium  | 75-125                 | 185.6098                        | 20.7616                 | 108.23              | 152.3   | N | P  |
| Zinc      |                        | 6762.8446                       | 5903.4409               | 108.23              | 794.1   |   | P  |
| Mercury   | 75-125                 | 2.8659                          | 2.2569                  | 1.08                | 56.4    | N | CV |

Comments:



## U.S. EPA - CLP

5B

EPA SAMPLE NO.

## POST DIGEST SPIKE SAMPLE RECOVERY

FEW-SED-9-SED-0A

Lab Name: Mitkem LaboratoriesContract: 2008.0011.0Lab Code: MITKEM

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: MG2087Matrix (soil/water): SOILLevel (low/med): MED

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

| Analyte   | Control<br>Limit<br>%R | Spike Sample<br>Result (SSR) C | Sample<br>Result (SR) C | Spike<br>Added (SA) | %R  | Q | M |
|-----------|------------------------|--------------------------------|-------------------------|---------------------|-----|---|---|
| Antimony  |                        | 141.37                         | 21.44 B                 | 120.0               | 100 |   | P |
| Arsenic   |                        | 237.87                         | 77.79                   | 160.0               | 100 |   | P |
| Barium    |                        | 7568.72                        | 2588.10                 | 5000.0              | 100 |   | P |
| Beryllium |                        | 13.08                          | 3.03 B                  | 10.0                | 101 |   | P |
| Cobalt    |                        | 141.15                         | 42.43 B                 | 100.0               | 99  |   | P |
| Nickel    |                        | 5580.93                        | 1929.63                 | 4000.0              | 91  |   | P |
| Thallium  |                        | 34.92                          | 15.90                   | 20.0                | 95  |   | P |
| Vanadium  |                        | 192.58                         | 95.92                   | 100.0               | 97  |   | P |

Comments:

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## U.S. EPA - CLP

6

EPA SAMPLE NO.

DUPLICATES

FEW-SED-9-SED-0D

Lab Name: Mitkem Laboratories

Contract: 2008.0011.0

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MG2087

Matrix (soil/water): SOIL

Level (low/med): MED

% Solids for Sample: 88.0

% Solids for Duplicate: 88.0

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

| Analyte   | Control Limit | Sample (S) C | Duplicate (D) C | RPD  | Q | M  |
|-----------|---------------|--------------|-----------------|------|---|----|
| Aluminum  |               | 10292.3876   | 9286.2557       | 10.3 |   | P  |
| Antimony  |               | 4.6399 B     | 1.7010 B        | 92.7 |   | P  |
| Arsenic   |               | 16.8386      | 14.5921         | 14.3 |   | P  |
| Barium    |               | 560.1937     | 469.5035        | 17.6 |   | P  |
| Beryllium |               | 0.6566 B     | 0.6263 B        | 4.7  |   | P  |
| Cadmium   |               | 6.9566       | 5.5934          | 21.7 | * | P  |
| Calcium   |               | 29506.6741   | 26637.4876      | 10.2 |   | P  |
| Chromium  |               | 366.9723     | 282.0695        | 26.2 | * | P  |
| Cobalt    |               | 9.1848 B     | 7.6380 B        | 18.4 |   | P  |
| Copper    |               | 515.8513     | 471.2194        | 9    |   | P  |
| Iron      |               | 53972.7464   | 50211.7391      | 7.2  |   | P  |
| Lead      |               | 1180.6587    | 616.4775        | 62.8 | * | P  |
| Magnesium | 1100.0        | 4734.6591    | 4540.2086       | 4.2  |   | P  |
| Manganese |               | 2331.7233    | 2060.7949       | 12.3 |   | P  |
| Nickel    |               | 417.6680     | 338.8144        | 20.8 | * | P  |
| Potassium | 1100.0        | 1596.7076    | 1479.2605       | 7.6  |   | P  |
| Selenium  | 1.1           | 3.7206       | 4.0703          | 9    |   | P  |
| Silver    |               | 211.9522     | 175.2009        | 19   |   | P  |
| Sodium    |               | 239.9327 B   | 260.4179 B      | 8.2  |   | P  |
| Thallium  | 2.2           | 3.4414       | 2.4551          | 33.5 |   | P  |
| Vanadium  | 11.0          | 20.7616      | 18.0372         | 14   |   | P  |
| Zinc      |               | 5903.4409    | 5563.8059       | 5.9  |   | P  |
| Mercury   |               | 2.2569       | 2.1899          | 3    |   | CV |

4A - FORM IV VOA  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Lab File ID: V6G2649.D Lab Sample ID: MB-40095  
Instrument ID: V6  
Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/15/2008  
Level: (TRACE or LOW/MED) LOW Time Analyzed: 14:07  
GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|    | EPA<br>SAMPLE NO.   | LAB<br>SAMPLE ID | LAB<br>FILE ID | TIME<br>ANALYZED |
|----|---------------------|------------------|----------------|------------------|
| 01 | FEW-SED-7-SE<br>D-0 | G2087-01C        | V6G2652.D      | 15:34            |
| 02 | FEW-SED-8-SE<br>D-0 | G2087-02C        | V6G2653.D      | 16:03            |
| 03 | FEW-SED-9-SE<br>D-0 | G2087-03C        | V6G2654.D      | 16:32            |

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

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40095  
Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2649.D  
Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_  
% Moisture: not dec. 0.0 Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.    | COMPOUND                              | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | UG/KG | Q |
|------------|---------------------------------------|-----------------------------------------|-------|---|
| 75-71-8    | Dichlorodifluoromethane               | 10                                      | U     |   |
| 74-87-3    | Chloromethane                         | 10                                      | U     |   |
| 75-01-4    | Vinyl chloride                        | 10                                      | U     |   |
| 74-83-9    | Bromomethane                          | 10                                      | U     |   |
| 75-00-3    | Chloroethane                          | 10                                      | U     |   |
| 75-69-4    | Trichlorofluoromethane                | 10                                      | U     |   |
| 75-35-4    | 1,1-Dichloroethene                    | 10                                      | U     |   |
| 76-13-1    | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10                                      | U     |   |
| 67-64-1    | Acetone                               | 10                                      | U     |   |
| 75-15-0    | Carbon disulfide                      | 10                                      | U     |   |
| 79-20-9    | Methyl acetate                        | 10                                      | U     |   |
| 75-09-2    | Methylene chloride                    | 10                                      | U     |   |
| 156-60-5   | trans-1,2-Dichloroethene              | 10                                      | U     |   |
| 1634-04-4  | Methyl tert-butyl ether               | 10                                      | U     |   |
| 75-34-3    | 1,1-Dichloroethane                    | 10                                      | U     |   |
| 156-59-2   | cis-1,2-Dichloroethene                | 10                                      | U     |   |
| 78-93-3    | 2-Butanone                            | 10                                      | U     |   |
| 67-66-3    | Chloroform                            | 10                                      | U     |   |
| 71-55-6    | 1,1,1-Trichloroethane                 | 10                                      | U     |   |
| 110-82-7   | Cyclohexane                           | 10                                      | U     |   |
| 56-23-5    | Carbon tetrachloride                  | 10                                      | U     |   |
| 71-43-2    | Benzene                               | 10                                      | U     |   |
| 107-06-2   | 1,2-Dichloroethane                    | 10                                      | U     |   |
| 79-01-6    | Trichloroethene                       | 10                                      | U     |   |
| 108-87-2   | Methylcyclohexane                     | 10                                      | U     |   |
| 78-87-5    | 1,2-Dichloropropane                   | 10                                      | U     |   |
| 75-27-4    | Bromodichloromethane                  | 10                                      | U     |   |
| 10061-01-5 | cis-1,3-Dichloropropene               | 10                                      | U     |   |
| 108-10-1   | 4-Methyl-2-pentanone                  | 10                                      | U     |   |
| 108-88-3   | Toluene                               | 10                                      | U     |   |
| 10061-02-6 | trans-1,3-Dichloropropene             | 10                                      | U     |   |
| 79-00-5    | 1,1,2-Trichloroethane                 | 10                                      | U     |   |
| 127-18-4   | Tetrachloroethene                     | 10                                      | U     |   |
| 591-78-6   | 2-Hexanone                            | 10                                      | U     |   |
| 124-48-1   | Dibromochloromethane                  | 10                                      | U     |   |

EPA OLM

0002

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40095  
Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2649.D  
Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_  
% Moisture: not dec. 0.0 Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.   | COMPOUND                    | CONCENTRATION UNITS: |       |
|-----------|-----------------------------|----------------------|-------|
|           |                             | (ug/L or ug/Kg)      | UG/KG |
| 106-93-4  | 1,2-Dibromoethane           | 10                   | U     |
| 108-90-7  | Chlorobenzene               | 10                   | U     |
| 100-41-4  | Ethylbenzene                | 10                   | U     |
| 1330-20-7 | Xylene (Total)              | 10                   | U     |
| 100-42-5  | Styrene                     | 10                   | U     |
| 75-25-2   | Bromoform                   | 10                   | U     |
| 98-82-8   | Isopropylbenzene            | 10                   | U     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   | 10                   | U     |
| 541-73-1  | 1,3-Dichlorobenzene         | 10                   | U     |
| 106-46-7  | 1,4-Dichlorobenzene         | 10                   | U     |
| 95-50-1   | 1,2-Dichlorobenzene         | 10                   | U     |
| 96-12-8   | 1,2-Dibromo-3-chloropropane | 10                   | U     |
| 120-82-1  | 1,2,4-Trichlorobenzene      | 10                   | U     |

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK6X

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40095  
Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2649.D  
Level: (TRACE or LOW/MED) LOW Date Received: \_\_\_\_\_  
% Moisture: not dec. Date Analyzed: 11/15/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

| CAS NUMBER           | COMPOUND NAME | RT  | EST. CONC. | Q |
|----------------------|---------------|-----|------------|---|
| E966796 <sup>1</sup> | Total Alkanes | N/A |            |   |

<sup>1</sup>EPA-designated Registry Number.

4A - FORM IV VOA  
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBK6G

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Lab File ID: V6G2808.D Lab Sample ID: MB-40161  
Instrument ID: V6  
Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/19/2008  
Level: (TRACE or LOW/MED) LOW Time Analyzed: 01:40  
GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|    | EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | TIME<br>ANALYZED |
|----|-----------------------|------------------|----------------|------------------|
| 01 | V6GLCS                | LCS-40161        | V6G2809.D      | 02:09            |
| 02 | FEW-SED-8-SE<br>D-ORX | G2087-02CRE      | V6G2810.D      | 02:39            |
| 03 | FEW-SED-7-SE<br>D-ORX | G2087-01CRE      | V6G2811.D      | 03:08            |
| 04 | FEW-SED-9-SE<br>D-ORX | G2087-03CRE      | V6G2812.D      | 03:37            |
| 05 | VHBLK6G               | VHBLK6G          | V6G2813.D      | 04:06            |

COMMENTS:

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6G

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40161  
Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2808.D  
Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_  
% Moisture: not dec. 0.0 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.    | COMPOUND                              | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | UG/KG | Q |
|------------|---------------------------------------|-----------------------------------------|-------|---|
| 75-71-8    | Dichlorodifluoromethane               | 10                                      | U     |   |
| 74-87-3    | Chloromethane                         | 10                                      | U     |   |
| 75-01-4    | Vinyl chloride                        | 10                                      | U     |   |
| 74-83-9    | Bromomethane                          | 10                                      | U     |   |
| 75-00-3    | Chloroethane                          | 10                                      | U     |   |
| 75-69-4    | Trichlorofluoromethane                | 10                                      | U     |   |
| 75-35-4    | 1,1-Dichloroethene                    | 10                                      | U     |   |
| 76-13-1    | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10                                      | U     |   |
| 67-64-1    | Acetone                               | 10                                      | U     |   |
| 75-15-0    | Carbon disulfide                      | 10                                      | U     |   |
| 79-20-9    | Methyl acetate                        | 10                                      | U     |   |
| 75-09-2    | Methylene chloride                    | 10                                      | U     |   |
| 156-60-5   | trans-1,2-Dichloroethene              | 10                                      | U     |   |
| 1634-04-4  | Methyl tert-butyl ether               | 10                                      | U     |   |
| 75-34-3    | 1,1-Dichloroethane                    | 10                                      | U     |   |
| 156-59-2   | cis-1,2-Dichloroethene                | 10                                      | U     |   |
| 78-93-3    | 2-Butanone                            | 10                                      | U     |   |
| 67-66-3    | Chloroform                            | 10                                      | U     |   |
| 71-55-6    | 1,1,1-Trichloroethane                 | 10                                      | U     |   |
| 110-82-7   | Cyclohexane                           | 10                                      | U     |   |
| 56-23-5    | Carbon tetrachloride                  | 10                                      | U     |   |
| 71-43-2    | Benzene                               | 10                                      | U     |   |
| 107-06-2   | 1,2-Dichloroethane                    | 10                                      | U     |   |
| 79-01-6    | Trichloroethene                       | 10                                      | U     |   |
| 108-87-2   | Methylcyclohexane                     | 10                                      | U     |   |
| 78-87-5    | 1,2-Dichloropropane                   | 10                                      | U     |   |
| 75-27-4    | Bromodichloromethane                  | 10                                      | U     |   |
| 10061-01-5 | cis-1,3-Dichloropropene               | 10                                      | U     |   |
| 108-10-1   | 4-Methyl-2-pentanone                  | 10                                      | U     |   |
| 108-88-3   | Toluene                               | 10                                      | U     |   |
| 10061-02-6 | trans-1,3-Dichloropropene             | 10                                      | U     |   |
| 79-00-5    | 1,1,2-Trichloroethane                 | 10                                      | U     |   |
| 127-18-4   | Tetrachloroethene                     | 10                                      | U     |   |
| 591-78-6   | 2-Hexanone                            | 10                                      | U     |   |
| 124-48-1   | Dibromochloromethane                  | 10                                      | U     |   |

EPA OLM

0005



1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6G

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40161  
Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2808.D  
Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_  
% Moisture: not dec. 0.0 Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.   | COMPOUND                    | CONCENTRATION UNITS: |       |
|-----------|-----------------------------|----------------------|-------|
|           |                             | (ug/L or ug/Kg)      | UG/KG |
| 106-93-4  | 1,2-Dibromoethane           | 10                   | U     |
| 108-90-7  | Chlorobenzene               | 10                   | U     |
| 100-41-4  | Ethylbenzene                | 10                   | U     |
| 1330-20-7 | Xylene (Total)              | 10                   | U     |
| 100-42-5  | Styrene                     | 10                   | U     |
| 75-25-2   | Bromoform                   | 10                   | U     |
| 98-82-8   | Isopropylbenzene            | 10                   | U     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   | 10                   | U     |
| 541-73-1  | 1,3-Dichlorobenzene         | 10                   | U     |
| 106-46-7  | 1,4-Dichlorobenzene         | 10                   | U     |
| 95-50-1   | 1,2-Dichlorobenzene         | 10                   | U     |
| 96-12-8   | 1,2-Dibromo-3-chloropropane | 10                   | U     |
| 120-82-1  | 1,2,4-Trichlorobenzene      | 10                   | U     |

EPA OLM

0087

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK6G

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40161  
Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2808.D  
Level: (TRACE or LOW/MED) LOW Date Received: \_\_\_\_\_  
% Moisture: not dec. Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

| CAS NUMBER           | COMPOUND NAME | RT  | EST. CONC. | Q |
|----------------------|---------------|-----|------------|---|
| E966796 <sup>1</sup> | Total Alkanes | N/A |            |   |

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6G

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: VHBLK6G  
Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2813.D  
Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_  
% Moisture: not dec. Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
Purge Volume: 10.0 (mL)

| CAS NO.    | COMPOUND                              | CONCENTRATION UNITS: |       |
|------------|---------------------------------------|----------------------|-------|
|            |                                       | (ug/L or ug/Kg)      | UG/KG |
| 75-71-8    | Dichlorodifluoromethane               | 10                   | U     |
| 74-87-3    | Chloromethane                         | 10                   | U     |
| 75-01-4    | Vinyl chloride                        | 10                   | U     |
| 74-83-9    | Bromomethane                          | 10                   | U     |
| 75-00-3    | Chloroethane                          | 10                   | U     |
| 75-69-4    | Trichlorofluoromethane                | 10                   | U     |
| 75-35-4    | 1,1-Dichloroethene                    | 10                   | U     |
| 76-13-1    | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10                   | U     |
| 67-64-1    | Acetone                               | 10                   | U     |
| 75-15-0    | Carbon disulfide                      | 10                   | U     |
| 79-20-9    | Methyl acetate                        | 10                   | U     |
| 75-09-2    | Methylene chloride                    | 10                   | U     |
| 156-60-5   | trans-1,2-Dichloroethene              | 10                   | U     |
| 1634-04-4  | Methyl tert-butyl ether               | 10                   | U     |
| 75-34-3    | 1,1-Dichloroethane                    | 10                   | U     |
| 156-59-2   | cis-1,2-Dichloroethene                | 10                   | U     |
| 78-93-3    | 2-Butanone                            | 10                   | U     |
| 67-66-3    | Chloroform                            | 10                   | U     |
| 71-55-6    | 1,1,1-Trichloroethane                 | 10                   | U     |
| 110-82-7   | Cyclohexane                           | 10                   | U     |
| 56-23-5    | Carbon tetrachloride                  | 10                   | U     |
| 71-43-2    | Benzene                               | 10                   | U     |
| 107-06-2   | 1,2-Dichloroethane                    | 10                   | U     |
| 79-01-6    | Trichloroethene                       | 10                   | U     |
| 108-87-2   | Methylcyclohexane                     | 10                   | U     |
| 78-87-5    | 1,2-Dichloropropane                   | 10                   | U     |
| 75-27-4    | Bromodichloromethane                  | 10                   | U     |
| 10061-01-5 | cis-1,3-Dichloropropene               | 10                   | U     |
| 108-10-1   | 4-Methyl-2-pentanone                  | 10                   | U     |
| 108-88-3   | Toluene                               | 10                   | U     |
| 10061-02-6 | trans-1,3-Dichloropropene             | 10                   | U     |
| 79-00-5    | 1,1,2-Trichloroethane                 | 10                   | U     |
| 127-18-4   | Tetrachloroethene                     | 10                   | U     |
| 591-78-6   | 2-Hexanone                            | 10                   | U     |
| 124-48-1   | Dibromochloromethane                  | 10                   | U     |

EPA OLM

0089

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6G

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: VHBLK6G

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2813.D

Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. Date Analyzed: 11/19/2008

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

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

Purge Volume: 10.0 (mL)

| CAS NO.   | COMPOUND                    | CONCENTRATION UNITS: |       |
|-----------|-----------------------------|----------------------|-------|
|           |                             | (ug/L or ug/Kg)      | UG/KG |
| 106-93-4  | 1,2-Dibromoethane           | 10                   | U     |
| 108-90-7  | Chlorobenzene               | 10                   | U     |
| 100-41-4  | Ethylbenzene                | 10                   | U     |
| 1330-20-7 | Xylene (Total)              | 10                   | U     |
| 100-42-5  | Styrene                     | 10                   | U     |
| 75-25-2   | Bromoform                   | 10                   | U     |
| 98-82-8   | Isopropylbenzene            | 10                   | U     |
| 79-34-5   | 1,1,2,2-Tetrachloroethane   | 10                   | U     |
| 541-73-1  | 1,3-Dichlorobenzene         | 10                   | U     |
| 106-46-7  | 1,4-Dichlorobenzene         | 10                   | U     |
| 95-50-1   | 1,2-Dichlorobenzene         | 10                   | U     |
| 96-12-8   | 1,2-Dibromo-3-chloropropane | 10                   | U     |
| 120-82-1  | 1,2,4-Trichlorobenzene      | 10                   | U     |

EPA OLM

0090

1J - FORM I VOA-TIC  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK6G

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: VHBLK6G  
Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2813.D  
Level: (TRACE or LOW/MED) LOW Date Received: \_\_\_\_\_  
% Moisture: not dec. Date Analyzed: 11/19/2008  
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

| CAS NUMBER           | COMPOUND NAME | RT  | EST. CONC. | Q |
|----------------------|---------------|-----|------------|---|
| E966796 <sup>1</sup> | Total Alkanes | N/A |            |   |

<sup>1</sup>EPA-designated Registry Number.

4C - FORM IV SV  
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK10

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Lab File ID: S1F8952.D Lab Sample ID: MB-40084  
Instrument ID: S1 Date Extracted: 11/15/2008  
Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/19/2008  
Level: (LOW/MED) LOW Time Analyzed: 13:14  
Extraction: (Type) SONC GPC Cleanup: (Y/N) N

|    | EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|----|-----------------------|------------------|----------------|------------------|
| 01 | S10LCS                | LCS-40084        | S1F8953.D      | 11/19/2008       |
| 02 | S10LCSD               | LCSD-40084       | S1F8954.D      | 11/19/2008       |
| 03 | FEW-SED-9-<br>SED-ODL | G2087-03ADL      | S1F8958.D      | 11/19/2008       |
| 04 | FEW-SED-9-<br>SED-0   | G2087-03A        | S1F8959.D      | 11/19/2008       |

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

1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK10

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40084  
Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F8952.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|----------|------------------------------|-----------------------------------------------|---|
| 100-52-7 | Benzaldehyde                 | 330                                           | U |
| 108-95-2 | Phenol                       | 310                                           | J |
| 111-44-4 | Bis(2-chloroethyl)ether      | 330                                           | U |
| 95-57-8  | 2-Chlorophenol               | 330                                           | U |
| 95-48-7  | 2-Methylphenol               | 330                                           | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 330                                           | U |
| 98-86-2  | Acetophenone                 | 330                                           | U |
| 106-44-5 | 4-Methylphenol               | 330                                           | U |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 330                                           | U |
| 67-72-1  | Hexachloroethane             | 330                                           | U |
| 98-95-3  | Nitrobenzene                 | 330                                           | U |
| 78-59-1  | Isophorone                   | 330                                           | U |
| 88-75-5  | 2-Nitrophenol                | 330                                           | U |
| 105-67-9 | 2,4-Dimethylphenol           | 330                                           | U |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 330                                           | U |
| 120-83-2 | 2,4-Dichlorophenol           | 330                                           | U |
| 91-20-3  | Naphthalene                  | 330                                           | U |
| 106-47-8 | 4-Chloroaniline              | 330                                           | U |
| 87-68-3  | Hexachlorobutadiene          | 330                                           | U |
| 105-60-2 | Caprolactam                  | 330                                           | U |
| 59-50-7  | 4-Chloro-3-methylphenol      | 330                                           | U |
| 91-57-6  | 2-Methylnaphthalene          | 330                                           | U |
| 77-47-4  | Hexachlorocyclopentadiene    | 330                                           | U |
| 88-06-2  | 2,4,6-Trichlorophenol        | 330                                           | U |
| 95-95-4  | 2,4,5-Trichlorophenol        | 830                                           | U |
| 92-52-4  | 1,1'-Biphenyl                | 330                                           | U |
| 91-58-7  | 2-Chloronaphthalene          | 330                                           | U |
| 88-74-4  | 2-Nitroaniline               | 830                                           | U |
| 131-11-3 | Dimethylphthalate            | 330                                           | U |
| 606-20-2 | 2,6-Dinitrotoluene           | 330                                           | U |
| 208-96-8 | Acenaphthylene               | 330                                           | U |
| 99-09-2  | 3-Nitroaniline               | 830                                           | U |
| 83-32-9  | Acenaphthene                 | 330                                           | U |
| 51-28-5  | 2,4-Dinitrophenol            | 830                                           | U |
| 100-02-7 | 4-Nitrophenol                | 830                                           | U |
| 132-64-9 | Dibenzofuran                 | 330                                           | U |
| 121-14-2 | 2,4-Dinitrotoluene           | 330                                           | U |

EPA OLM

0093

1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK10

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40084  
Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F8952.D  
Level: (LOW/MED) LOW Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|-----------|----------------------------|-----------------------------------------------|---|
| 84-66-2   | Diethylphthalate           | 330                                           | U |
| 86-73-7   | Fluorene                   | 330                                           | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 330                                           | U |
| 100-01-6  | 4-Nitroaniline             | 830                                           | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 830                                           | U |
| 86-30-6   | N-Nitrosodiphenylamine     | 330                                           | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 330                                           | U |
| 118-74-1  | Hexachlorobenzene          | 330                                           | U |
| 1912-24-9 | Atrazine                   | 330                                           | U |
| 87-86-5   | Pentachlorophenol          | 830                                           | U |
| 85-01-8   | Phenanthrene               | 330                                           | U |
| 120-12-7  | Anthracene                 | 330                                           | U |
| 86-74-8   | Carbazole                  | 330                                           | U |
| 84-74-2   | Di-n-butylphthalate        | 330                                           | U |
| 206-44-0  | Fluoranthene               | 330                                           | U |
| 129-00-0  | Pyrene                     | 330                                           | U |
| 85-68-7   | Butylbenzylphthalate       | 330                                           | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 330                                           | U |
| 56-55-3   | Benzo(a)anthracene         | 330                                           | U |
| 218-01-9  | Chrysene                   | 330                                           | U |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 330                                           | U |
| 117-84-0  | Di-n-octylphthalate        | 330                                           | U |
| 205-99-2  | Benzo(b)fluoranthene       | 330                                           | U |
| 207-08-9  | Benzo(k)fluoranthene       | 330                                           | U |
| 50-32-8   | Benzo(a)pyrene             | 330                                           | U |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 330                                           | U |
| 53-70-3   | Dibenzo(a,h)anthracene     | 330                                           | U |
| 191-24-2  | Benzo(g,h,i)perylene       | 330                                           | U |



1K - FORM I SV-TIC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SBLK10

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
 Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40084  
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F8952.D  
 Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC  
 % Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
 Concentrated Extract Volume: 500 (uL) Date Extracted: 11/15/2008  
 Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/19/2008  
 GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

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

| 01 | CAS NUMBER           | COMPOUND NAME | RT  | EST. CONC. | Q |
|----|----------------------|---------------|-----|------------|---|
|    | E966796 <sup>2</sup> | Total Alkanes | N/A | 84         | J |

<sup>2</sup> EPA-designated Registry Number.

4C - FORM IV SV  
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK30

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Lab File ID: S3F4192.D Lab Sample ID: MB-40226  
Instrument ID: S3 Date Extracted: 11/20/2008  
Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/26/2008  
Level: (LOW/MED) MED Time Analyzed: 14:33  
Extraction: (Type) SONC GPC Cleanup: (Y/N) N

|    | EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|----|-----------------------|------------------|----------------|------------------|
| 01 | S30LCS                | LCS-40226        | S3F4193.D      | 11/26/2008       |
| 02 | S30LCSD               | LCSD-40226       | S3F4194.D      | 11/26/2008       |
| 03 | FEW-SED-7-<br>SED-0   | G2087-01A        | S3F4195.D      | 11/26/2008       |
| 04 | FEW-SED-8-<br>SED-0   | G2087-02A        | S3F4196.D      | 11/26/2008       |
| 05 | FEW-SED-7-<br>SED-ODL | G2087-01ADL      | S3F4253.D      | 12/01/2008       |
| 06 | FEW-SED-8-<br>SED-ODL | G2087-02ADL      | S3F4294.D      | 12/04/2008       |

COMMENTS:

1D - FORM I SV-1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK30

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40226

Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4192.D

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_

Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008

GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.  | COMPOUND                     | CONCENTRATION UNITS: <u>UG/KG</u><br>(ug/L or ug/Kg) | Q |
|----------|------------------------------|------------------------------------------------------|---|
| 100-52-7 | Benzaldehyde                 | 10000                                                | U |
| 108-95-2 | Phenol                       | 10000                                                | U |
| 111-44-4 | Bis(2-chloroethyl)ether      | 10000                                                | U |
| 95-57-8  | 2-Chlorophenol               | 10000                                                | U |
| 95-48-7  | 2-Methylphenol               | 10000                                                | U |
| 108-60-1 | 2,2'-oxybis(1-Chloropropane) | 10000                                                | U |
| 98-86-2  | Acetophenone                 | 10000                                                | U |
| 106-44-5 | 4-Methylphenol               | 10000                                                | U |
| 621-64-7 | N-Nitroso-di-n-propylamine   | 10000                                                | U |
| 67-72-1  | Hexachloroethane             | 10000                                                | U |
| 98-95-3  | Nitrobenzene                 | 10000                                                | U |
| 78-59-1  | Isophorone                   | 10000                                                | U |
| 88-75-5  | 2-Nitrophenol                | 10000                                                | U |
| 105-67-9 | 2,4-Dimethylphenol           | 10000                                                | U |
| 111-91-1 | Bis(2-chloroethoxy)methane   | 10000                                                | U |
| 120-83-2 | 2,4-Dichlorophenol           | 10000                                                | U |
| 91-20-3  | Naphthalene                  | 10000                                                | U |
| 106-47-8 | 4-Chloroaniline              | 10000                                                | U |
| 87-68-3  | Hexachlorobutadiene          | 10000                                                | U |
| 105-60-2 | Caprolactam                  | 10000                                                | U |
| 59-50-7  | 4-Chloro-3-methylphenol      | 10000                                                | U |
| 91-57-6  | 2-Methylnaphthalene          | 10000                                                | U |
| 77-47-4  | Hexachlorocyclopentadiene    | 10000                                                | U |
| 88-06-2  | 2,4,6-Trichlorophenol        | 10000                                                | U |
| 95-95-4  | 2,4,5-Trichlorophenol        | 25000                                                | U |
| 92-52-4  | 1,1'-Biphenyl                | 10000                                                | U |
| 91-58-7  | 2-Chloronaphthalene          | 10000                                                | U |
| 88-74-4  | 2-Nitroaniline               | 25000                                                | U |
| 131-11-3 | Dimethylphthalate            | 10000                                                | U |
| 606-20-2 | 2,6-Dinitrotoluene           | 10000                                                | U |
| 208-96-8 | Acenaphthylene               | 10000                                                | U |
| 99-09-2  | 3-Nitroaniline               | 25000                                                | U |
| 83-32-9  | Acenaphthene                 | 10000                                                | U |
| 51-28-5  | 2,4-Dinitrophenol            | 25000                                                | U |
| 100-02-7 | 4-Nitrophenol                | 25000                                                | U |
| 132-64-9 | Dibenzofuran                 | 10000                                                | U |
| 121-14-2 | 2,4-Dinitrotoluene           | 10000                                                | U |

EPA OLM

0097

1E - FORM I SV-2  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SBLK30

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40226  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4192.D  
Level: (LOW/MED) MED Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|-----------|----------------------------|-----------------------------------------------|---|
| 84-66-2   | Diethylphthalate           | 10000                                         | U |
| 86-73-7   | Fluorene                   | 10000                                         | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 10000                                         | U |
| 100-01-6  | 4-Nitroaniline             | 25000                                         | U |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 25000                                         | U |
| 86-30-6   | N-Nitrosodiphenylamine     | 10000                                         | U |
| 101-55-3  | 4-Bromophenyl-phenylether  | 10000                                         | U |
| 118-74-1  | Hexachlorobenzene          | 10000                                         | U |
| 1912-24-9 | Atrazine                   | 10000                                         | U |
| 87-86-5   | Pentachlorophenol          | 25000                                         | U |
| 85-01-8   | Phenanthrene               | 10000                                         | U |
| 120-12-7  | Anthracene                 | 10000                                         | U |
| 84-74-2   | Di-n-butylphthalate        | 10000                                         | U |
| 206-44-0  | Fluoranthene               | 10000                                         | U |
| 129-00-0  | Pyrene                     | 10000                                         | U |
| 85-68-7   | Butylbenzylphthalate       | 10000                                         | U |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 10000                                         | U |
| 56-55-3   | Benzo(a)anthracene         | 10000                                         | U |
| 218-01-9  | Chrysene                   | 10000                                         | U |
| 117-81-7  | Bis(2-ethylhexyl)phthalate | 10000                                         | U |
| 117-84-0  | Di-n-octylphthalate        | 10000                                         | U |
| 205-99-2  | Benzo(b)fluoranthene       | 10000                                         | U |
| 207-08-9  | Benzo(k)fluoranthene       | 10000                                         | U |
| 50-32-8   | Benzo(a)pyrene             | 10000                                         | U |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 10000                                         | U |
| 53-70-3   | Dibenzo(a,h)anthracene     | 10000                                         | U |
| 191-24-2  | Benzo(g,h,i)perylene       | 10000                                         | U |
| 86-74-8   | Carbazole                  | 10000                                         | U |

1K - FORM I SV-TIC  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.  
SBLK30

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40226  
Sample wt/vol: 1.0 (g/mL) G Lab File ID: S3F4192.D  
Level: (TRACE or LOW/MED) MED Extraction: (Type) SONC  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Concentrated Extract Volume: 500 (uL) Date Extracted: 11/20/2008  
Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/26/2008  
GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Dilution Factor: 1.0

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

|    | CAS NUMBER           | COMPOUND NAME | RT     | EST. CONC. | Q  |
|----|----------------------|---------------|--------|------------|----|
| 01 | 36653-82-4           | 1-Hexadecanol | 13.312 | 2100       | NJ |
| 02 | 7683-64-9            | Squalene      | 17.393 | 3400       | NJ |
|    | E966796 <sup>2</sup> | Total Alkanes | N/A    |            |    |

<sup>2</sup> EPA-designated Registry Number.

4F - FORM IV ARO  
AROCOR METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK2D

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
 Lab File ID: E2H4861F.D / E2H4861R.D Lab Sample ID: MB-40083  
 Matrix: (SOIL/SED/WATER) SOIL Extraction: (Type) SONC Date Extracted: 11/14/2008  
 Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N  
 Acid Cleanup: (Y/N) Y  
 Date Analyzed (1): 11/18/2008 Date Analyzed (2): 11/18/2008  
 Time Analyzed (1): 13:31 Time Analyzed (2): 13:31  
 Instrument ID (1): E2 Instrument ID (2): E2  
 GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

|    | EPA<br>SAMPLE NO.   | LAB<br>SAMPLE ID | DATE<br>ANALYZED (1) | DATE<br>ANALYZED (2) |
|----|---------------------|------------------|----------------------|----------------------|
| 01 | ALCS2D              | LCS-40083        | 11/18/2008           | 11/18/2008           |
| 02 | ALCSD2D             | LCSD-40083       | 11/18/2008           | 11/18/2008           |
| 03 | FEW-SED-7-SE<br>D-0 | G2087-01A        | 11/18/2008           | 11/18/2008           |
| 04 | FEW-SED-8-SE<br>D-0 | G2087-02A        | 11/18/2008           | 11/18/2008           |
| 05 | FEW-SED-9-SE<br>D-0 | G2087-03A        | 11/18/2008           | 11/18/2008           |

COMMENTS:

1H - FORM I ARO  
AROCOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK2D

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087  
Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-40083  
Sample wt/vol: 30.0 (g/mL) G Lab File ID: E2H4861F.D/E2H4861R.D  
% Moisture: \_\_\_\_\_ Decanted: (Y/N) \_\_\_\_\_ Date Received: \_\_\_\_\_  
Extraction: (Type) SONC Date Extracted: 11/14/2008  
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/18/2008  
Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) Y  
Acid Cleanup: (Y/N) Y

| CAS NO.    | COMPOUND     | CONCENTRATION UNITS: UG/KG<br>(ug/L or ug/Kg) | Q |
|------------|--------------|-----------------------------------------------|---|
| 12674-11-2 | Aroclor-1016 | 33                                            | U |
| 11104-28-2 | Aroclor-1221 | 33                                            | U |
| 11141-16-5 | Aroclor-1232 | 33                                            | U |
| 53469-21-9 | Aroclor-1242 | 33                                            | U |
| 12672-29-6 | Aroclor-1248 | 33                                            | U |
| 11097-69-1 | Aroclor-1254 | 33                                            | U |
| 11096-82-5 | Aroclor-1260 | 33                                            | U |

SW846

0101

## U.S. EPA - CLP

3

## BLANKS

Lab Name: Mitkem Laboratories Contract: 2008.0011.00Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MG2087Preparation Blank Matrix (soil/water): SOIL Method Blank ID: \_\_\_\_\_Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG MB-40027FIMS1\_081112D

| Analyte | Initial<br>Calibration<br>Blank (ug/L) |   | Continuing Calibration<br>Blank (ug/L) |   |       |   |       |   | Preparation<br>Blank |   | M |
|---------|----------------------------------------|---|----------------------------------------|---|-------|---|-------|---|----------------------|---|---|
|         |                                        | C | 1                                      | C | 2     | C | 3     | C |                      | C |   |
| Mercury | 0.010                                  | U | 0.010                                  | U | 0.010 | U | 0.010 | U | -0.008               | B |   |



## U.S. EPA - CLP

3

## BLANKS

Lab Name: Mitkem Laboratories Contract: 2008.0011.00Lab Code: MITKEM Case No.:  SAS No.:  SDG No.: MG2087Preparation Blank Matrix (soil/water):  Method Blank ID: Preparation Blank Concentration Units (ug/L or mg/kg): 

FIMS1\_081112D

| Analyte | Initial<br>Calibration<br>Blank (ug/L) |   | Continuing Calibration<br>Blank (ug/L) |   |   |   |   |   | Preparation<br>Blank |   |   |
|---------|----------------------------------------|---|----------------------------------------|---|---|---|---|---|----------------------|---|---|
|         |                                        | C | 1                                      | C | 2 | C | 3 | C |                      | C | M |
| Mercury |                                        |   | 0.010                                  | U |   |   |   |   |                      |   |   |

## U.S. EPA - CLP

3

## BLANKS

Lab Name: Mitkem Laboratories Contract: 2008.0011.00Lab Code: MITKEM Case No.:  SAS No.:  SDG No.: MG2087Preparation Blank Matrix (soil/water): SOIL Method Blank ID:Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG MB-40030

OPTIMA2\_081114A

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |       |   |      |   | Preparation Blank |   | M |
|-----------|----------------------------------|---|-------------------------------------|---|-------|---|------|---|-------------------|---|---|
|           |                                  | C | 1                                   | C | 2     | C | 3    | C |                   | C |   |
| Aluminum  | 7.4                              | U | 7.4                                 | U | -8.4  | B | 7.4  | U | 6.574             | B |   |
| Antimony  | 1.2                              | U | 1.3                                 | U | 1.3   | U | 1.3  | U | 0.203             | B |   |
| Arsenic   | 1.6                              | U | 1.6                                 | U | 1.6   | U | 1.6  | U | 0.118             | B |   |
| Barium    | 0.5                              | B | 0.3                                 | B | 0.1   | U | 0.2  | B | 0.168             | B |   |
| Beryllium | 0.0                              | U | 0.0                                 | U | 0.0   | U | 0.0  | U | 0.006             | U |   |
| Cadmium   | 0.0                              | U | 0.0                                 | B | 0.0   | U | 0.0  | U | -0.021            | B |   |
| Calcium   | 36.7                             | U | 36.7                                | U | 36.7  | U | 36.7 | U | 39.173            | B |   |
| Chromium  | 0.4                              | U | 0.3                                 | U | 0.5   | B | 0.3  | U | 0.259             | B |   |
| Cobalt    | 0.4                              | B | 0.4                                 | B | 0.2   | U | 0.4  | B | 0.040             | U |   |
| Copper    | 4.0                              | B | 2.2                                 | B | 1.5   | B | 2.8  | B | 1.602             | B |   |
| Iron      | -1.1                             | B | 0.9                                 | B | 1.4   | B | 2.2  | B | 12.227            | B |   |
| Lead      | 0.4                              | U | 0.4                                 | U | 0.4   | U | -0.4 | B | 0.039             | B |   |
| Magnesium | -14.8                            | B | 2.5                                 | U | -21.8 | B | 2.5  | U | -0.655            | B |   |
| Manganese | 0.0                              | B | 0.0                                 | U | 0.1   | B | 0.1  | B | 0.388             | B |   |
| Nickel    | 0.3                              | B | 0.5                                 | B | 0.3   | B | 0.6  | B | 0.108             | B |   |
| Selenium  | 2.6                              | U | 2.5                                 | U | 2.5   | U | 2.5  | U | 0.368             | B |   |
| Thallium  | 2.1                              | U | 2.1                                 | U | 2.1   | U | 2.1  | U | -0.209            | B |   |
| Vanadium  | 0.3                              | U | 0.3                                 | U | 0.3   | U | 0.3  | U | 0.056             | U |   |

## U.S. EPA - CLP

3

## BLANKS

Lab Name: Mitkem Laboratories Contract: 2008.0011.00Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MG2087

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

Preparation Blank Concentration Units (ug/L or mg/kg): mg/kg MB-40030 11/22/08  
OPTIMA2\_081114B 08

| Analyte | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |      |   |      |   | Preparation Blank |   | M |
|---------|----------------------------------|---|-------------------------------------|---|------|---|------|---|-------------------|---|---|
|         |                                  | C | 1                                   | C | 2    | C | 3    | C |                   | C |   |
| Iron    | 1.4                              | B | 4.8                                 | B | 4.2  | B | 4.5  | B |                   |   |   |
| Silver  | 9.2                              | B | -0.7                                | B | -0.9 | B | -1.0 | B | 0.155             | B |   |
| Zinc    | 7.6                              | B | 5.0                                 | B | 4.6  | B | 10.3 | B | 4.250             |   |   |

## 3

Lab Name: Mitkem Laboratories Contract: 2008.0011.00

Lab Code: MITKEM                      Case No.:                      SAS No.:                      SDG No.:                      MG2087

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

Preparation Blank Concentration Units (ug/L or mg/kg): OPTIMA2 081114B

| Analyte | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |   |   |   |   | Preparation Blank |   |  |
|---------|----------------------------------|---|-------------------------------------|---|---|---|---|---|-------------------|---|--|
|         |                                  | C | 1                                   | C | 2 | C | 3 | C |                   | C |  |
| Iron    |                                  |   | 4.7                                 | B |   |   |   |   |                   |   |  |
| Silver  |                                  |   | -0.7                                | B |   |   |   |   |                   |   |  |

## 3

OPTIMA2 081117B

## U.S. EPA - CLP

3

## BLANKS

Lab Name: Mitkem Laboratories Contract: 2008.0011.00Lab Code: MITKEM Case No.:  SAS No.:  SDG No.: MG2087Preparation Blank Matrix (soil/water): SOIL Method Blank ID:Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG MB-40030

OPTIMA3\_081114A

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |      |   |   |   | Preparation Blank |   | M |
|-----------|----------------------------------|---|-------------------------------------|---|------|---|---|---|-------------------|---|---|
|           |                                  | C | 1                                   | C | 2    | C | 3 | C |                   | C |   |
| Potassium | 58.2                             | B | 43.3                                | B | 35.4 | U |   |   | 7.089             | B |   |
| Sodium    | 30.4                             | B | 55.3                                | B | 73.2 | B |   |   | 15.490            | B |   |

## VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/15/2008 11/15/2008

EPA Sample No. (VSTD#####): VSTD0506X Date Analyzed: 11/15/2008

Lab File ID (Standard): V6G2642.D Time Analyzed: 10:32

Instrument ID: V6 Heated Purge: (Y/N) Y

|    |                     | IS1 (S1 ) |   | IS2 (S2 ) |   | IS3 (S3 ) |   |
|----|---------------------|-----------|---|-----------|---|-----------|---|
|    |                     | AREA      | # | AREA      | # | AREA      | # |
|    | 12 HOUR STD         | 271492    |   | 1619121   |   | 1548985   |   |
|    | UPPER LIMIT         | 542984    |   | 3238242   |   | 3097970   |   |
|    | LOWER LIMIT         | 135746    |   | 809561    |   | 774493    |   |
|    | EPA SAMPLE NO.      |           |   |           |   |           |   |
| 01 | VBLK6X              | 241655    |   | 1306879   |   | 1250882   |   |
| 02 | FEW-SED-7-SE<br>D-0 | 157186    |   | 939437    |   | 641536 *  |   |
| 03 | FEW-SED-8-SE<br>D-0 | 142283    |   | 784045 *  |   | 459211 *  |   |
| 04 | FEW-SED-9-SE<br>D-0 | 96384 *   |   | 531440 *  |   | 286281 *  |   |

IS1 () = Bromochloromethane

IS2 () = 1,4-Difluorobenzene

IS3 () = Chlorobenzene-d5

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of  
internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of  
internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles)  
minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles)  
minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

## VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/18/2008 11/19/2008

EPA Sample No. (VSTD#####): VSTD0506G Date Analyzed: 11/19/2008

Lab File ID (Standard): V6G2807.D Time Analyzed: 01:11

Instrument ID: V6 Heated Purge: (Y/N) Y

|    |                       | IS1 (S1 ) |   | IS2 (S2 ) |   | IS3 (S3 ) |   |
|----|-----------------------|-----------|---|-----------|---|-----------|---|
|    |                       | AREA      | # | AREA      | # | AREA      | # |
|    | 12 HOUR STD           | 152325    |   | 866638    |   | 880771    |   |
|    | UPPER LIMIT           | 304650    |   | 1733276   |   | 1761542   |   |
|    | LOWER LIMIT           | 76163     |   | 433319    |   | 440386    |   |
|    | EPA SAMPLE NO.        |           |   |           |   |           |   |
| 01 | VBLK6G                | 180695    |   | 963030    |   | 935665    |   |
| 02 | V6GLCS                | 145507    |   | 795256    |   | 756853    |   |
| 03 | FEW-SED-8-SE<br>D-ORX |           |   | 298002 *  |   | 103691 *  |   |
| 04 | FEW-SED-7-SE<br>D-ORX | 80728     |   | 432082 *  |   | 195861 *  |   |
| 05 | FEW-SED-9-SE<br>D-ORX | 69482 *   |   | 431516 *  |   | 204993 *  |   |
| 06 | VHBLK6G               | 174148    |   | 942855    |   | 893235    |   |

IS1 () = Bromochloromethane

IS2 () = 1,4-Difluorobenzene

IS3 () = Chlorobenzene-d5

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of  
internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of  
internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles)  
minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles)  
minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.



## SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 11/18/2008 11/18/2008

EPA Sample No. (SSTD020##): SSTD05010 Date Analyzed: 11/19/2008

Lab File ID (Standard): S1F8951.D Time Analyzed: 12:41

Instrument ID: S1

|    |                       | IS1 (DCB) |       | IS2 (NPT) |       | IS3 (ANT) |       |
|----|-----------------------|-----------|-------|-----------|-------|-----------|-------|
|    |                       | AREA      | #     | AREA      | #     | AREA      | #     |
|    | 12 HOUR STD           | 153443    | 4.615 | 534760    | 6.419 | 322985    | 9.142 |
|    | UPPER LIMIT           | 306886    | 5.115 | 1069520   | 6.919 | 645970    | 9.642 |
|    | LOWER LIMIT           | 76722     | 4.115 | 267380    | 5.919 | 161493    | 8.642 |
|    | EPA SAMPLE NO.        |           |       |           |       |           |       |
| 01 | SBLK10                | 158956    | 4.619 | 551941    | 6.412 | 306701    | 9.146 |
| 02 | S10LCS                | 159659    | 4.619 | 565717    | 6.412 | 329615    | 9.145 |
| 03 | S10LCSD               | 160687    | 4.616 | 584738    | 6.420 | 340426    | 9.143 |
| 04 | FEW-SED-9-SE<br>D-ODL | 145419    | 4.617 | 523532    | 6.421 | 300436    | 9.143 |
| 05 | FEW-SED-9-SE<br>D-0   | 169316    | 4.619 | 614660    | 6.423 | 369683    | 9.145 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

## SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 11/18/2008 11/18/2008

EPA Sample No. (SSTD020##): SSTD05010 Date Analyzed: 11/19/2008

Lab File ID (Standard): S1F8951.D Time Analyzed: 12:41

Instrument ID: S1

|    |                       | IS4 (PHN) |        | IS5 (CRY) |        | IS6 (PRY) |        |
|----|-----------------------|-----------|--------|-----------|--------|-----------|--------|
|    |                       | AREA      | # RT   | AREA      | # RT   | AREA      | # RT   |
|    | 12 HOUR STD           | 506190    | 11.497 | 514310    | 15.278 | 510331    | 16.715 |
|    | UPPER LIMIT           | 1012380   | 11.997 | 1028620   | 15.778 | 1020662   | 17.215 |
|    | LOWER LIMIT           | 253095    | 10.997 | 257155    | 14.778 | 255166    | 16.215 |
|    | EPA SAMPLE NO.        |           |        |           |        |           |        |
| 01 | SBLK10                | 472141    | 11.490 | 544068    | 15.271 | 425885    | 16.708 |
| 02 | S10LCS                | 484899    | 11.490 | 532181    | 15.260 | 430490    | 16.708 |
| 03 | S10LCSD               | 524979    | 11.487 | 595487    | 15.268 | 496620    | 16.705 |
| 04 | FEW-SED-9-<br>SED-ODL | 470845    | 11.498 | 468884    | 15.301 | 274260    | 16.760 |
| 05 | FEW-SED-9-<br>SED-0   | 563081    | 11.501 | 383585    | 15.336 | 187907 *  | 16.794 |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

## SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 11/26/2008 11/26/2008

EPA Sample No. (SSTD020##): SSTD0503M Date Analyzed: 11/26/2008

Lab File ID (Standard): S3F4191.D Time Analyzed: 13:56

Instrument ID: S3

|    |                     | IS1 (DCB) |       | IS2 (NPT) |       | IS3 (ANT) |        |
|----|---------------------|-----------|-------|-----------|-------|-----------|--------|
|    |                     | AREA      | #     | AREA      | #     | AREA      | #      |
|    | 12 HOUR STD         | 64997     | 5.07  | 248548    | 7.116 | 136833    | 10.604 |
|    | UPPER LIMIT         | 129994    | 5.57  | 497096    | 7.616 | 273666    | 11.104 |
|    | LOWER LIMIT         | 32499     | 4.57  | 124274    | 6.616 | 68417     | 10.104 |
|    | EPA SAMPLE NO.      |           |       |           |       |           |        |
| 01 | SBLK30              | 76480     | 5.069 | 289197    | 7.115 | 156245    | 10.603 |
| 02 | S3OLCS              | 57629     | 5.070 | 224333    | 7.110 | 118254    | 10.604 |
| 03 | S3OLCSD             | 70737     | 5.070 | 274349    | 7.111 | 146294    | 10.604 |
| 04 | FEW-SED-7-SE<br>D-0 | 83935     | 5.069 | 322414    | 7.115 | 179365    | 10.609 |
| 05 | FEW-SED-8-SE<br>D-0 | 101010    | 5.074 | 394373    | 7.125 | 222628    | 10.619 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

## SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 11/26/2008 11/26/2008

EPA Sample No. (SSTD020##): SSTD0503M Date Analyzed: 11/26/2008

Lab File ID (Standard): S3F4191.D Time Analyzed: 13:56

Instrument ID: S3

|    |                     | IS4 (PHN) |        | IS5 (CRY) |        | IS6 (PRY) |        |
|----|---------------------|-----------|--------|-----------|--------|-----------|--------|
|    |                     | AREA      | #      | AREA      | #      | AREA      | #      |
|    | 12 HOUR STD         | 260315    | 12.896 | 336999    | 16.31  | 347645    | 17.966 |
|    | UPPER LIMIT         | 520630    | 13.396 | 673998    | 16.81  | 695290    | 18.466 |
|    | LOWER LIMIT         | 130158    | 12.396 | 168500    | 15.81  | 173823    | 17.466 |
|    | EPA SAMPLE NO.      |           |        |           |        |           |        |
| 01 | SBLK30              | 294016    | 12.895 | 392889    | 16.309 | 398063    | 17.965 |
| 02 | S3OLCS              | 224034    | 12.891 | 287346    | 16.304 | 300772    | 17.966 |
| 03 | S3OLCSD             | 279349    | 12.891 | 355317    | 16.304 | 370546    | 17.966 |
| 04 | FEW-SED-7-<br>SED-0 | 422129    | 12.944 | 762000 *  | 16.395 | 973876 *  | 18.056 |
| 05 | FEW-SED-8-<br>SED-0 | 507517    | 12.964 | 539173    | 16.436 | 2000522 * | 18.103 |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

## SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 11/26/2008 11/26/2008

EPA Sample No. (SSTD020##): SSTD0503P Date Analyzed: 12/01/2008

Lab File ID (Standard): S3F4251.D Time Analyzed: 16:12

Instrument ID: S3

|                          | IS1 (DCB) |   | IS2 (NPT) |   | IS3 (ANT) |   |
|--------------------------|-----------|---|-----------|---|-----------|---|
|                          | AREA      | # | AREA      | # | AREA      | # |
| 12 HOUR STD              | 79896     |   | 318891    |   | 180484    |   |
| UPPER LIMIT              | 159792    |   | 637782    |   | 360968    |   |
| LOWER LIMIT              | 39948     |   | 159446    |   | 90242     |   |
| EPA SAMPLE NO.           |           |   |           |   |           |   |
| 01 FEW-SED-7-SE<br>D-ODL | 95823     |   | 373893    |   | 208227    |   |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

## SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 11/26/2008 11/26/2008

EPA Sample No. (SSTD020##): SSTD0503P Date Analyzed: 12/01/2008

Lab File ID (Standard): S3F4251.D Time Analyzed: 16:12

Instrument ID: S3

|    |                       | IS4 (PHN) |        | IS5 (CRY) |        | IS6 (PRY) |        |
|----|-----------------------|-----------|--------|-----------|--------|-----------|--------|
|    |                       | AREA      | #      | AREA      | #      | AREA      | #      |
|    | 12 HOUR STD           | 351259    | 12.798 | 474935    | 16.217 | 497799    | 17.868 |
|    | UPPER LIMIT           | 702518    | 13.298 | 949870    | 16.717 | 995598    | 18.368 |
|    | LOWER LIMIT           | 175630    | 12.298 | 237468    | 15.717 | 248900    | 17.368 |
|    | EPA SAMPLE NO.        |           |        |           |        |           |        |
| 01 | FEW-SED-7-<br>SED-ODL | 409408    | 12.796 | 571852    | 16.215 | 588872    | 17.866 |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

## SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 11/26/2008 11/26/2008

EPA Sample No. (SSTD020##): SSTD0503S Date Analyzed: 12/04/2008

Lab File ID (Standard): S3F4291.D Time Analyzed: 10:47

Instrument ID: S3

|                |                       | IS1 (DCB) |       | IS2 (NPT) |       | IS3 (ANT) |        |
|----------------|-----------------------|-----------|-------|-----------|-------|-----------|--------|
|                |                       | AREA      | # RT  | AREA      | # RT  | AREA      | # RT   |
| 12 HOUR STD    |                       | 101929    | 4.631 | 390338    | 6.586 | 211737    | 10.117 |
| UPPER LIMIT    |                       | 203858    | 5.131 | 780676    | 7.086 | 423474    | 10.617 |
| LOWER LIMIT    |                       | 50965     | 4.131 | 195169    | 6.086 | 105869    | 9.617  |
| EPA SAMPLE NO. |                       |           |       |           |       |           |        |
| 01             | FEW-SED-8-SE<br>D-0DL | 75448     | 4.625 | 295977    | 6.580 | 155372    | 10.112 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

## SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2087

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 11/26/2008 11/26/2008

EPA Sample No. (SSTD020##): SSTD0503S Date Analyzed: 12/04/2008

Lab File ID (Standard): S3F4291.D Time Analyzed: 10:47

Instrument ID: S3

|    |                       | IS4 (PHN) |        | IS5 (CRY) |        | IS6 (PRY) |        |
|----|-----------------------|-----------|--------|-----------|--------|-----------|--------|
|    |                       | AREA      | #      | AREA      | #      | AREA      | #      |
|    | 12 HOUR STD           | 402758    | 12.462 | 534084    | 15.892 | 529175    | 17.521 |
|    | UPPER LIMIT           | 805516    | 12.962 | 1068168   | 16.392 | 1058350   | 18.021 |
|    | LOWER LIMIT           | 201379    | 11.962 | 267042    | 15.392 | 264588    | 17.021 |
|    | EPA SAMPLE NO.        |           |        |           |        |           |        |
| 01 | FEW-SED-8-<br>SED-ODL | 305084    | 12.462 | 431711    | 15.886 | 445296    | 17.516 |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.