

**EXHIBIT D**



**Dvirka  
and  
Bartilucci**  
CONSULTING ENGINEERS

330 Crossways Park Drive, Woodbury, New York 11797-2015  
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Recd  
3/91

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July 2, 2007

Mr. Steven Levine  
Bevin Associates, LLC  
155 E. 56<sup>th</sup> Street  
New York, NY 10022

Re: Phase II Environmental Site Assessment  
1676 Third Avenue  
New York, New York  
D&B No. 2660-02

Dear Mr. Levine:

Bevin Associates, LLC was retained by Dvirka and Bartilucci Consulting Engineers (D&B) to conduct a Phase II Environmental Site Assessment (ESA) at the property located at 1676 Third Avenue, New York, New York (Block 1522, Lot 40). The currently vacant property is being considered for redevelopment for commercial usage with the construction of a one-story building with a basement. During the Phase II investigation, the property had a paved asphalt surface and was fenced-off on the north and east street-side boundaries. The interior property boundaries to the south and west were commercial and residential buildings.

The purpose of this Phase II ESA was to investigate potential impacts from Recognized Environmental Conditions (RECs) identified in D&B's Phase I ESA Report dated April 2007. The following RECs were identified and investigated:

- The property was historically used as a gasoline station between the 1930's and the 1980's or 1990's. New York State Department of Environmental Conservation (NYSDEC) records indicate that seven underground storage tanks (USTs) used to store leaded and unleaded gasoline were present on the site and were "administratively closed" (i.e., business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed or a duplicate registration was generated) in 1996.
- The adjoining properties to the south and west of the property were previously used as, or are currently occupied by, dry cleaning facilities.

Mr. Steven Levine  
Bevin Associates, LLC  
July 2, 2007

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## **SCOPE OF INVESTIGATION**

The Phase II ESA field activities were conducted on May 11, 2007. The scope of the field investigation included a geophysical survey and soil borings, and was managed by a D&B geologist.

### **Geophysical Survey**

The geophysical survey was conducted utilizing a Schonstedt Model 50 magnetometer. The purpose of this magnetometer survey was to investigate the potential presence of USTs at the property. The survey consisted of scanning the site utilizing transects spaced approximately 10 feet apart and conducted in a rectangular pattern parallel to the property boundaries.

### **Test Borings**

Three soil borings were advanced at the property with the objective of collecting soil and groundwater samples. The soil borings were advanced by C.E. Boss Co., Inc., Bronx, New York through a contract with Bevin Associates, LLC as part of a geotechnical program. The three borings (designated B1, B2 and B3) were advanced at the locations depicted on Figure 1 utilizing the hollow stem method of drilling. The depths of the borings ranged between 16 feet and 37 feet below land surface. Split-spoon sampling was conducted at 5-foot intervals to the bottom of each boring. The samples were sensory inspected for staining and odors, and screened for volatile organic vapors (VOV) using a photoionization meter calibrated to 100 parts per million (ppm) of isobutylene in air. Soil samples in each soil boring were selected for analysis as being representative of the most impacted conditions based on sensory inspection, for odor and staining, as well as VOV concentrations.

The soil samples were analyzed for parameters, typically associated with the historical property usage as a gasoline station and nearby dry cleaning facilities. These parameters included Target Analyte List metals, and Target Compound List volatile and semivolatile organic compounds.

To investigate the presence of groundwater, a water level indicator was initially utilized to measure potential water levels within the augers/boreholes. With the absence of any measurable water levels in the boreholes, a temporary well screen, consisting of 20 feet of slotted 1-inch PVC conduit was installed in the boreholes after the augers were removed. Up to 1 hour was allotted for groundwater to recharge into the temporary well.

Mr. Steven Levine  
Bevin Associates, LLC  
July 2, 2007

## FINDINGS AND CONCLUSIONS

The magnetometer survey did not identify any significant geophysical anomalies to indicate the presence of USTs at the property. A few minor anomalies, low response intensities in areas less than a foot square, were detected in the northeast corner of the property.

The lithology of the materials encountered in the soil borings was generally as follows:

- a gray silt and clay with brick fragments in the approximate upper 10 feet
- fine sand, trace fine gravel, occasionally moist from depths of approximately 10 feet to 20 feet
- weathered schistose bedrock from a depth of approximately 20 feet

Strong petroleum odors, as well as occasional black-stained zones, were associated with the material above the weathered bedrock in all three borings. The VOV concentrations in this material in each of the three borings were fairly similar and ranged from 1.5 ppm to 21.4 ppm. No odors or staining, or measurable VOV concentrations were associated with the weathered bedrock.

Groundwater was not present within any of the boreholes or in any of the temporary wells indicating that an aquifer, with appreciable transmissive capacity, is not present above the bedrock at the property. Accordingly, no groundwater samples were collected for analysis.

The analytical results for the soil samples collected are summarized in the attached tables and the laboratory report is being provided under separate cover. The tables include NYSDEC Recommended Soil Cleanup Objectives (RSCOs), as provided in Technical and Administrative Guidance Memorandum 4040: *Determination of Soil Cleanup Objectives and Cleanup Levels*. The analytical results along with field findings indicate that the soil at the property above weathered bedrock, to depth of approximately 20 feet below land surface, is significantly contaminated by petroleum constituents primarily consistent with gasoline product.

Elevated concentrations of volatile organic compounds (VOCs), typically associated with gasoline, including benzene, toluene, ethyl benzene and xylenes (BTEX), were detected up to an order of magnitude above RSCO values (see the attached VOC table). The impacts were highest in B-1 on the west side of the property, but exceedances of at least one BTEX component was present at all three test boring locations.

Mr. Steven Levine  
Bevin Associates, LLC  
July 2, 2007

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One semivolatile organic compound, naphthalene, was detected in the westernmost sample boring within an order of magnitude of its RSCO. Although naphthalene is a component of gasoline, it would not be expected to reside in the soil at a concentration in excess of its RSCO resulting from a historical gasoline release. It may more likely be associated with fuel oil or petroleum products with heavier hydrocarbon compounds than gasoline and naphthalene is a more predominant constituent.

Elevated concentrations of four metals (copper, iron, nickel and zinc) were also detected in the soil samples. The copper, nickel and zinc impacts are marginal, with concentrations being near their respective RSCO levels. The iron concentrations were an order of magnitude higher than the RSCO. These levels of these metals are similar to those typically associated with urban fill.

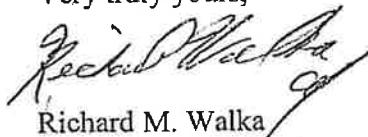
#### **RECOMMENDATIONS**

Based on the findings of the Phase II Environmental Site Assessment conducted for the property located at 1676 Third Avenue, New York, New York, the following recommendations are provided:

- Future construction activities should incorporate a Community Air Monitoring Program, consistent with New York State Department of Health requirements, to monitor the potential for dust and volatile organic vapor migration for off-site potential receptors.
- Future construction activities should be conducted with dust and volatile organic vapor control measures and monitoring, consistent with Occupational Safety and Health Administration standards, for site workers.
- Soil excavated during construction activities should be removed from the property and properly disposed off-site in accordance with applicable local, state and federal regulations.

If you have any questions regarding the above, please contact Mr. Albert Jaroszewski or me at (516) 364-9890.

Very truly yours,



Richard M. Walka  
Senior Vice President

RMW/KBt/jmy  
Attachments  
♦2660\RMW07LTR.DOC-06(R01)

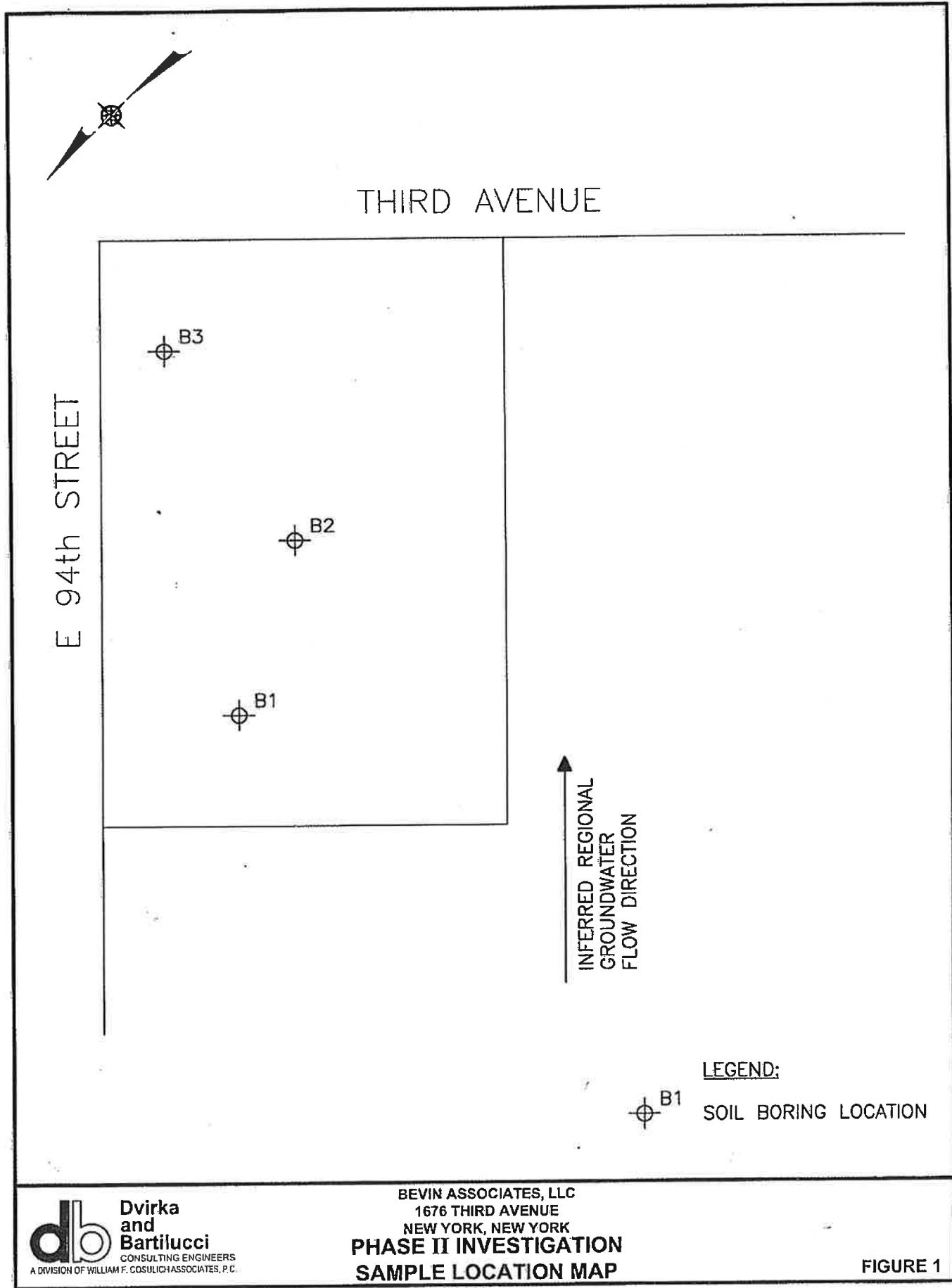


FIGURE 1

1676 THIRD AVENUE, NEW YORK, NY  
 PHASE II ENVIRONMENTAL SITE ASSESSMENT  
 SOIL SAMPLE RESULTS  
 VOLATILE ORGANIC COMPOUNDS

SAMPLE ID	B-1	B-2	B-3	Laboratory Quantitation	NYSDEC Recommended Soil Cleanup Objectives
SAMPLE DEPTH (FEET)	4-6	9-11	9-11	ug/Kg	ug/Kg
DATE OF COLLECTION	5/11/07	5/11/07	5/11/07		
DILUTION FACTOR UNITS	1.0 ug/Kg	1.0 ug/Kg	1.0 ug/Kg		
Dichlorodifluoromethane	U	U	U	10	--
Chloromethane	U	U	U	10	--
Vinyl Chloride	U	U	U	10	200
Bromomethane	U	U	U	10	--
Chloroethane	21	7 J	U	10	1,900
Trichlorodifluoromethane	U	U	U	10	--
1,1-Dichloroethene	U	U	U	10	400
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	U	10	6,000
Acetone	U	35	U	10	200
Carbon Disulfide	U	U	U	10	2,700
Methyl Acetate	U	U	U	10	--
Methylene Chloride	U	U	U	10	100
trans-1,2-Dichloroethene	U	U	U	10	300
Methyl tert-butyl ether	U	U	U	10	--
1,1-Dichloroethane	U	U	U	10	200
2-Butanone	U	U	U	10	300
cis-1,2-Dichloroethene	U	U	U	10	--
Chloroform	U	U	U	10	300
1,1,1-Trichloroethane	U	U	U	10	800
Cyclohexane	U	U	U	10	--
Carbon Tetrachloride	U	U	U	10	600
1,2-Dichloroethane	U	U	U	10	100
Benzene	140	54	U	10	60
Trichloroethene	U	U	U	10	700
Methylcyclohexane	2,500	500	U	10	--
1,2-Dichloropropane	U	U	U	10	--
Bromodichloromethane	U	U	U	10	--
cis-1,3-Dichloropropane	U	U	U	10	--
4-Methyl-2-pentanone	U	U	U	10	1,000
Toluene	8,100	86	3,700	10	1,500
trans-1,3-Dichloropropene	U	U	U	10	--
1,1,2-Trichloroethane	U	U	U	10	--
Tetrachloroethene	U	U	U	10	1,400
2-Hexanone	U	U	U	10	--
Dibromochloromethane	U	U	U	10	--
1,2-Dibromoethane	U	U	U	10	--
Chlorobenzene	U	U	U	10	1,700
Ethylbenzene	32,000	4,400	5,300	10	5,500
Xylene (total)	78,000	11,000	25,000	10	1,200
Styrene	U	U	U	10	--
Bromoform	U	U	U	10	--
Isopropylbenzene	2,800	430	740	10	--
1,1,2,2-Tetrachloroethane	U	U	U	10	600
1,3-Dichlorobenzene	U	U	U	10	1,600
1,4-Dichlorobenzene	U	U	U	10	8,500
1,2-Dichlorobenzene	U	U	U	10	7,900
1,2-Dibromo-3-chloropropane	U	U	U	10	--
1,2,4-Trichlorobenzene	U	U	U	10	3,400
Totals VOCs	123,561	16,512	35,577	-	10,000

QUALIFIERS:

U: Constituent analyzed for but not detected.

J: Compound found at a concentration below the CRDL, value estimated.

NOTES:

--: Not established.

Exceeds RSCO

**1676 THIRD AVENUE, NEW YORK, NY**  
**PHASE II ENVIRONMENTAL SITE ASSESSMENT**  
**SOIL SAMPLE RESULTS**  
**SEMI-VOLATILE ORGANIC COMPOUNDS**

SAMPLE IDENTIFICATION	B-1	B-2	B-3	Laboratory Quantitation	NYSDEC Recommended Soil Cleanup Objectives
SAMPLE DEPTH (FT)	4-6	9-11	9-11	ug/Kg	ug/Kg
DATE OF COLLECTION	5/11/07	5/11/07	5/11/07		
DILUTION FACTOR	1.0	1.0	1.0		
UNITS	ug/Kg	ug/Kg	ug/Kg		
Benzaldehyde	U	U	U	330	—
Phenol	U	U	U	330	30 OR MDL
bis(2-Chloroethyl)ether	U	U	U	330	—
2-Chlorophenol	U	U	U	330	800
2-Methylphenol	U	U	U	330	100 OR MDL
2,2-Oxybis (1-Chloropropane)	U	U	U	330	—
Acetophenone	U	U	U	330	—
4-Methylphenol	U	U	U	330	900
N-Nitroso-di-n-propylamine	U	U	U	330	—
Hexachloroethane	U	U	U	330	—
Nitrobenzene	U	U	U	330	200 OR MDL
Isophorone	U	U	U	330	4,400
2-Nitrophenol	U	U	U	330	330 OR MDL
2,4-Dimethylphenol	U	U	U	330	—
bis (2-Chloroethoxy) methane	U	U	U	330	—
2,4-Dichlorophenol	U	U	U	330	400
Naphthalene	18,000	2,500	7,000	330	13,000
4-Chloroaniline	U	U	U	330	220 OR MDL
Hexachlorobutadiene	U	U	U	330	—
Caprolactam	U	U	U	330	—
4-Chloro-3-methylphenol	U	U	U	330	240 OR MDL
2-Methylnaphthalene	21,000	3,600	10,000	330	36,400
Hexachlorocyclopentadiene	U	U	U	330	—
2,4,6-Trichlorophenol	U	U	U	800	—
2,4,5-Trichlorophenol	U	U	U	330	100
1,1'-Biphenyl	U	U	U	330	—
2-Chloronaphthalene	U	U	U	800	—
2-Nitroaniline	U	U	U	330	430 OR MDL
Dimethylphthalate	U	U	U	330	2,000
2,6-Dinitrotoluene	U	U	U	330	1,000
Acenaphthylene	U	U	U	330	41,000
3-Nitroaniline	U	U	U	800	500 OR MDL
Acenaphthene	U	U	U	330	50,000
2,4-Dinitrophenol	U	U	U	800	200 OR MDL
4-Nitrophenol	U	U	U	800	100 OR MDL
Dibenzofuran	U	U	U	330	6,200
2,4-Dinitrotoluene	U	U	U	330	—
Diethylphthalate	U	U	U	330	7,100
Fluorene	U	U	U	330	50,000
4-Chlorophenyl-phenylether	U	U	U	330	—
4-Nitroaniline	U	U	U	800	—
4,6-Dinitro-2-methylphenol	U	U	U	800	—
N-Nitrosodiphenylamine	U	U	U	330	—
4-Bromophenyl-phenylether	U	U	U	330	—
Hexachlorobenzene	U	U	U	330	410
Atrazine	U	U	U	330	—
Pentachlorophenol	U	U	U	800	1,000 OR MDL
Phenanthrene	550	U	U	330	50,000
Anthracene	U	U	U	330	50,000
Carbazole	U	U	U	330	—
Di-n-butylphthalate	U	U	U	330	8,100
Fluoranthene	520	U	U	330	50,000
Pyrene	490	U	U	330	50,000
Butylbenzylphthalate	U	U	U	330	50,000
3,3'-Dichlorobenzidine	U	U	U	330	—
Benzo (a) anthracene	U	U	U	330	224 OR MDL
Chrysene	U	U	U	330	400
bis(2-Ethylhexyl)phthalate	U	U	U	330	50,000
Di-n-octylphthalate	U	U	U	330	50,000
Benzo(b)fluoranthene	U	U	U	330	1,100
Benzo(k)fluoranthene	U	U	U	330	1,100
Benzo(s)pyrene	U	U	U	330	61 OR MDL
Indeno(1,2,3-cd)pyrene	U	U	U	330	3,200
Dibenzo(a,h)anthracene	U	U	U	330	14 OR MDL
Benzo(g,h,i)perylene	U	U	U	330	50,000

**QUALIFIERS:**

U: Compound analyzed for but not detected.

**NOTES:**

—: Not established.

Result exceeds NYSDEC Recommended Soil Cleanup Objective.

**1676 THIRD AVENUE, NEW YORK, NY**  
**PHASE II ENVIRONMENTAL SITE ASSESSMENT**  
**SOIL SAMPLE RESULTS**  
**METALS**

SAMPLE ID	B-1	B-2	B-3	Instrument	NYSDEC Recommended
SAMPLE DEPTH (FEET)	4-6	9-11	9-11	Detection Limits	Soil Cleanup Objectives
DATE OF COLLECTION	5/11/07	5/11/07	5/11/07	mg/Kg	mg/Kg
DILUTION FACTOR	1.0	1.0	1.0		
UNITS	mg/Kg	mg/Kg	mg/Kg		
Aluminum	12,200	10,900	9,540	17	SB
Antimony	U	U	U	5.6	SB
Arsenic	2	2.5	0.69	3	7.5 or SB
Barium	44	41.7	78.2	4	300 or SB
Beryllium	U	U	U	0.5	0.16 or SB
Cadmium	U	0.02	U	0.7	10*
Calcium	1,820	1,670	2,020	240	SB
Chromium	18.3	14.7	20.7	0.6	50*
Cobalt	7.4	5.4	9.5	0.9	30 or SB
Copper	22.6	19.3	34.6	4	25 or SB
Iron	18,600	15,300	16,100	26	2,000 or SB
Lead	27.3	11	5.6	4	400
Magnesium	4,320	3,980	3,420	8	SB
Manganese	239	168	243	0.8	SB
Mercury	0.11	12	U	0.1	0.1
Nickel	14.8	14.5	16	0.8	13 or SB
Potassium	1140	1040	2,620	78	SB
Selenium	0.96	1.3	1.2	9	2 or SB
Silver	0.94	U	U	2	SB
Sodium	112	126	112	83	SB
Thallium	1.8	1.2	1.4	3	SB
Vanadium	19.5	14.8	29.6	0.7	150 or SB
Zinc	54.1	72.8	65.7	7	20 or SB

**QUALIFIERS:**

U: Compound analyzed for but not detected.

**NOTES:**

SB: Site background.

--: Not established.

\*: As per proposed 4/95 NYSDEC TAGM.

Result exceeds NYSDEC Recommended Soil Cleanup Objective.



330 Crossways Park Drive, Woodbury, New York 11797-2015  
516-364-9890 • 718-460-3634 • Fax: 516-364-9045

## LETTER OF TRANSMITTAL

TO: Bevin Associates, LLC  
C/O LKM Construction  
155 East 56<sup>th</sup> Street  
New York, NY 10022

DATE:	7/2/07	JOB NO:	2660
ATTENTION:	Steven Levine		
RE:	1676 Third Avenue Phase II		

WE ARE SENDING YOU

- Attached       Under separate cover via \_\_\_\_\_ the following items:  
 Shop Drawings       Prints       Plans       Samples       Specifications  
 Copy of letter       Change Order       \_\_\_\_\_

COPIES	DATE	DESCRIPTION
1	June 07	Laboratory Data Report

THESE ARE TRANSMITTED As checked below:

- For approval       Approved as submitted       Resubmit \_\_\_\_\_ copies for approval  
 For your use       Approved as noted       Submit \_\_\_\_\_ copies for distribution  
 As requested       Returned for corrections       Return \_\_\_\_\_ corrected prints  
 For review and comment       \_\_\_\_\_  
 FOR BIDS DUE \_\_\_\_\_ 19\_\_\_\_\_  PRINTS RETURNED AFTER LOAN TO US

REMARKS:

Attached is the laboratory analytical report for the findings reported in our June 2, 2007 letter.

COPY TO: File

SIGNED: \_\_\_\_\_

Albert Jaroszewski



*"Environmental Testing For The New Millennium"*

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June 5, 2007

Dvirka & Bartilucci  
330 Crossways Park Drive  
Woodbury, NY 11797  
Attn: Ms. Robbin Petrella

RE: Client Project: Bevin Associates  
Lab Work Order #: F0609

Dear Ms. Petrella:

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

We appreciate your business.

Sincerely,

A handwritten signature in black ink, appearing to read "Agnes R. Ng".

Agnes R. Ng  
CLP Project Manager

**M I T K E M**  
**C O R P O R A T I O N**

**\* Data Summary Pack \***

# Mitkem Corporation

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

Project Name : NYS Standby Contract – Bevin Associates

SDG : F0609

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
B14-6	F0609-01	OLM4.2_VOA_LOW_S	OLM4.2_SVOA_S		ILM5.3_HG_S	SEE DATA
B14-6	F0609-01	OLM4.2_VOA_MED_S			ILM5.3_ICP_S	
B29-11	F0609-02	OLM4.2_VOA_LOW_S	OLM4.2_SVOA_S		ILM5.3_HG_S	SEE DATA
B29-11	F0609-02	OLM4.2_VOA_MED_S			ILM5.3_ICP_S	
B39-11	F0609-03	OLM4.2_VOA_LOW_S	OLM4.2_SVOA_S		ILM5.3_HG_S	SEE DATA
B39-11	F0609-03	OLM4.2_VOA_MED_S			ILM5.3_ICP_S	

# Mitkem Corporation

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

Project Name : NYS Standby Contract – Bevin Associates

SDG : F0609

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
<b>OLM4.2_VOA_LOW_S</b>					
F0609-01B	SL	5/11/2007	5/12/2007	NA	5/18/2007
F0609-02B	SL	5/11/2007	5/12/2007	NA	5/18/2007
F0609-03B	SL	5/11/2007	5/12/2007	NA	5/18/2007
<b>OLM4.2_VOA_MED_S</b>					
F0609-01B	SL	5/11/2007	5/12/2007	5/22/2007	5/22/2007
F0609-02B	SL	5/11/2007	5/12/2007	5/22/2007	5/22/2007
F0609-03B	SL	5/11/2007	5/12/2007	5/22/2007	5/22/2007

# Mitkem Corporation

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

Project Name : NYS Standby Contract – Bevin Associates

SDG : F0609

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_SVOA_S					
F0609-01A	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007
F0609-01ADL	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007
F0609-02A	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007
F0609-02ADL	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007
F0609-03A	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007
F0609-03ADL	SL	5/11/2007	5/12/2007	5/18/2007	6/1/2007

# Mitkem Corporation

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

Project Name : NYS Standby Contract – Bevin Associates

SDG : F0609

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_LOW_S					
F0609-01B	SL	LM4.2_VOA_LOW	NA	LOW	1
F0609-02B	SL	LM4.2_VOA_LOW	NA	LOW	1
F0609-03B	SL	LM4.2_VOA_LOW	NA	LOW	1
OLM4.2_VOA_MED_S					
F0609-01B	SL	LM4.2_VOA_MED	Methanol	MED	20
F0609-02B	SL	LM4.2_VOA_MED	Methanol	MED	8
F0609-03B	SL	LM4.2_VOA_MED	Methanol	MED	1

# Mitkem Corporation

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

Project Name : NYS Standby Contract – Bevin Associates

SDG : F0609

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
OLM4.2_SVOA_S					
F0609-01A	SL	OLM4.2_SVOA_S	3550B	GPC	1
F0609-01ADL	SL	OLM4.2_SVOA_S	3550B	GPC	20
F0609-02A	SL	OLM4.2_SVOA_S	3550B	GPC	1
F0609-02ADL	SL	OLM4.2_SVOA_S	3550B	GPC	2
F0609-03A	SL	OLM4.2_SVOA_S	3550B	GPC	1
F0609-03ADL	SL	OLM4.2_SVOA_S	3550B	GPC	10

# Mitkem Corporation

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

Project Name : NYS Standby Contract – Bevin Associates

SDG : F0609

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM5.3_HG_S				
F0609-01A	SL	ILM5.3_HG_S	5/12/2007	5/22/2007
F0609-01ADUP	SL	ILM5.3_HG_S	5/12/2007	5/22/2007
F0609-01AMS	SL	ILM5.3_HG_S	5/12/2007	5/22/2007
F0609-02A	SL	ILM5.3_HG_S	5/12/2007	5/22/2007
F0609-03A	SL	ILM5.3_HG_S	5/12/2007	5/22/2007
ILM5.3_ICP_S				
F0609-01A	SL	ILM5.3_ICP_S	5/12/2007	6/1/2007
F0609-01ADUP	SL	ILM5.3_ICP_S	5/12/2007	6/1/2007
F0609-01AMS	SL	ILM5.3_ICP_S	5/12/2007	6/1/2007
F0609-02A	SL	ILM5.3_ICP_S	5/12/2007	6/1/2007
F0609-03A	SL	ILM5.3_ICP_S	5/12/2007	6/1/2007

Analytical Data Package for Dvirka & Bartilucci

Client Project No.: Bevin Associates

SDG# MF0609

Mitkem Work Order ID: F0609

June 5, 2007

Prepared For:

Dvirka & Bartilucci  
330 Crossways Park Drive  
Woodbury, NY 11797  
Attn: Ms. Robbin Petrella

Prepared By:

Mitkem Corporation  
175 Metro Center Boulevard  
Warwick, RI 02886  
(401) 732-3400

## SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Dvirka & Bartilucci's Bevin Associates project. Under this deliverable, analysis results are presented for three soil samples that were received on May 14, 2007. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

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

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

### 1. Overall observation:

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

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

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

### 2. Volatile Analysis:

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

20090722

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 high recovery of toluene-d8 and bromofluorobenzene in sample B14-6 and high recovery of toluene-d8 in sample B39-11. Samples B14-6, B39-11 and B29-11 were re-analyzed at dilution with low recovery of 1,2-dichloroethane-d4.

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

Sample analysis: internal standard area counts were within QC criteria with the exception of samples B39-11DL and B14-6DL. Please note that internal standard area counts were within QC criteria in the initial analysis. Due to the high concentration of target analytes, the following samples were re-analyzed at dilution by the medium-level approach: B-14-6, B29-11 and B39-11. In addition to the medium level analysis, the following samples were further analyzed at dilution: B14-6 (20x) and B29-11 (8x). No other unusual observation was made for the analysis.

### 3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um 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.

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

Sample analysis: due to the high concentration of target analytes, the following samples were re-analyzed at dilution: B14-6 (20x), B29-11 (2x) and B39-11 (10x). No other unusual observation was made for the analysis.

### 4. 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 was performed on sample B14-6. Spike recoveries were within the QC limits with the exception of antimony, lead and mercury. Antimony and mercury are flagged with an "N" on the data report forms. A post digest spike was performed and reported for antimony. The spike recovery for lead 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: duplicate analysis was performed on sample B14-6. Replicate RPDs were within the QC limits with the exception of lead, zinc and mercury. Lead, zinc and mercury are flagged with an "\*" on the data report forms.

Sample analysis: serial dilution was performed on sample B14-6. Percent differences were within the QC limits with the exception of zinc. Zinc is qualified with an "E" on the data report forms. Silver was detected in method blank MB-30257. Please note that silver was not detected in the associated samples. Silver was high in the first CRI. Please note that silver was not detected in the samples. No other unusual observations were made during sample analysis.

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

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

  
Agnes Ng  
CLP Project Manager  
06/05/07

00001

ALKANE NARRATIVE REPORT  
Report date : 06/04/2007  
SDG: MF0609

Client Sample ID: B14-6      Lab Sample ID: F0609-01B      File ID: V5H7576  
Compound                            RT      Est. Conc.      Q

Branched Alkane	5.50	5100	J
Branched Alkane	6.95	5300	J

Client Sample ID: B29-11      Lab Sample ID: F0609-02B      File ID: V5H7577  
Compound                            RT      Est. Conc.      Q

Branched Alkane	3.61	310	J
Cyclic Alkane	4.73	270	J
Branched Alkane	5.51	310	J
Straight-chain Alkane	5.94	510	J
Branched Alkane	7.14	600	J
Branched Alkane	7.30	350	J
Straight-chain Alkane	7.76	250	J

Client Sample ID: B39-11      Lab Sample ID: F0609-03B      File ID: V5H7578  
Compound                            RT      Est. Conc.      Q

Branched Alkane	3.61	0.0	
Branched Alkane	5.51	0.0	
Straight-chain Alkane	5.94	0.0	
Branched Alkane	7.16	0.0	
Branched Alkane	7.31	0.0	

Client Sample ID: B29-11DL      Lab Sample ID: F0609-02BDL      File ID: V5H7656  
Compound                            RT      Est. Conc.      Q

Branched Alkane	5.32	4300	JD
Branched Alkane	5.49	4100	JD
Branched Alkane	6.93	1400	JD

Client Sample ID: B39-11DL      Lab Sample ID: F0609-03BDL      File ID: V5H7657  
Compound                            RT      Est. Conc.      Q

Branched Alkane	7.29	290	J
Straight-chain Alkane	12.46	360	J

Client Sample ID: B14-6DL      Lab Sample ID: F0609-01BDL      File ID: V5H7658  
Compound                            RT      Est. Conc.      Q

Branched Alkane	7.14	4700	JD
Branched Alkane	12.08	3900	JD
Straight-chain Alkane	12.46	10000	JD

ALKANE NARRATIVE REPORT  
 Report date : 06/04/2007  
 SDG: MF0609

Client Sample ID: B14-6 Compound	Lab Sample ID: F0609-01A	File ID: S1F2954	
	RT	Est. Conc.	Q
Straight-chain Alkane	8.21	41000	J
Straight-chain Alkane	10.44	25000	J
Straight-chain Alkane	11.41	15000	J
Straight-chain Alkane	12.31	2800	J
Straight-chain Alkane	13.18	1100	J

Client Sample ID: B29-11 Compound	Lab Sample ID: F0609-02A	File ID: S1F2955	
	RT	Est. Conc.	Q
Branched Alkane	8.38	110	J
Straight-chain Alkane	10.36	300	J
Branched Alkane	10.95	140	J
Straight-chain Alkane	11.36	300	J
Straight-chain Alkane	12.29	500	J

Client Sample ID: B39-11 Compound	Lab Sample ID: F0609-03A	File ID: S1F2956	
	RT	Est. Conc.	Q
Straight-chain Alkane	10.37	390	J
Straight-chain Alkane	11.37	270	J
Straight-chain Alkane	12.29	970	J

Client Sample ID: B14-6DL Compound	Lab Sample ID: F0609-01ADL	File ID: S1F2957	
	RT	Est. Conc.	Q
Straight-chain Alkane	8.12	14000	JD
Branched Alkane	8.38	5300	JD
Branched Alkane	8.58	4300	JD
Branched Alkane	8.95	7600	JD
Branched Alkane	9.53	2100	JD
Branched Alkane	9.97	8800	JD
Straight-chain Alkane	10.35	12000	JD
Branched Alkane	11.00	2500	JD
Straight-chain Alkane	11.35	5400	JD

Client Sample ID: B29-11DL Compound	Lab Sample ID: F0609-02ADL	File ID: S1F2958	
	RT	Est. Conc.	Q
Branched Alkane	9.98	960	JD
Straight-chain Alkane	10.35	910	JD
Straight-chain Alkane	11.35	690	JD
Straight-chain Alkane	12.29	580	JD

Client Sample ID: B39-11DL Compound	Lab Sample ID: F0609-03ADL	File ID: S1F2959	
	RT	Est. Conc.	Q
Straight-chain Alkane	8.11	950	JD

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Straight-chain Alkane	10.35	2500	JD
Straight-chain Alkane	11.35	1700	JD
Straight-chain Alkane	12.29	820	JD

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

*Mitkem Workorder: F0609*

*Client Name: Dvirka & Bartilucci*

<i>Mitkem Sample ID</i>	<i>Reported Client Sample ID</i>	<i>Full Client Sample ID</i>
F0609-01A	B14-6	B1 4-6'
F0609-01B	B14-6	B1 4-6'
F0609-02A	B29-11	B2 9-11'
F0609-02B	B29-11	B2 9-11'
F0609-03A	B39-11	B3 9-11'
F0609-03B	B39-11	B3 9-11'

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

# Mitkem Corporation

15/May/07 11:52

WorkOrder: F0609

Client ID: DVRKA\_WOODBURY

Project: NYS Standby Contract

Location: BEVIN ASSOCIATES

Comments: N/A

Case:

SDG:

PO: 2660-02

Report Level: ASP-B

EDD:

HC Due: 06/04/07

Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Rec'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SCL Storage
F0609-01A	B14-6	05/11/2007 10:00	05/12/2007	Soil	ILM5.3_HG_S	ILM5.3	<input type="checkbox"/>	<input type="checkbox"/>	H2
				ILM5.3_ICP_S	ILM5.3		<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2
				OLM4.2_PH	NYS-Add LCS		<input type="checkbox"/>	<input type="checkbox"/>	H2
				OLM4.2_SVOA_S	NYS-Add LCS		<input type="checkbox"/>	<input type="checkbox"/>	H2
				PMoist			<input type="checkbox"/>	<input type="checkbox"/>	H2
F0609-01B	B14-6	05/11/2007 10:00	05/12/2007	Soil	OLM4.2_VOA_LOW_S	NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	VOA
		05/11/2007 12:00	05/12/2007	Soil	ILM5.3_HG_S	ILM5.3	<input type="checkbox"/>	<input type="checkbox"/>	H2
				ILM5.3_ICP_S	ILM5.3		<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2
				OLM4.2_PH	NYS-Add LCS		<input type="checkbox"/>	<input type="checkbox"/>	H2
				OLM4.2_SVOA_S	NYS-Add LCS		<input type="checkbox"/>	<input type="checkbox"/>	H2
				PMoist			<input type="checkbox"/>	<input type="checkbox"/>	H2
F0609-02B	B29-11	05/11/2007 12:00	05/12/2007	Soil	OLM4.2_VOA_LOW_S	NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	VOA
		05/11/2007 13:20	05/12/2007	Soil	ILM5.3_HG_S	ILM5.3	<input type="checkbox"/>	<input type="checkbox"/>	H2
				ILM5.3_ICP_S	ILM5.3		<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2
				OLM4.2_PH	NYS-Add LCS		<input type="checkbox"/>	<input type="checkbox"/>	H2

Client Rep: Agnes R Ng

Page 1 of 2

## Mitkem Corporation

15/May/07 11:52

WorkOrder: F0609

Client ID: DVIRKA\_WOODBURY  
Project: NYS Standby Contract  
Location: BEVIN ASSOCIATES  
Comments: N/A

Case:  
SDG:  
PO: 2660-02

Report Level: ASP-B  
EDD:  
HC Due: 06/04/07  
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Rec'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F0609-03A	B39-11	05/11/2007 13:20	05/12/2007	Soil	OLM4.2_SVOA_S	NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H2
F0609-03B	B39-11	05/11/2007 13:20	05/12/2007	Soil	OLM4.2_VOA_LOW_S	NYS-Add LCS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H2

5555

Client Rep: Agnes R Ng

EPA SAMPLE NO.

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

B14-6

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-01BSample wt/vol: 4.3 (g/mL) GLab File ID: V5H7576Level: (low/med) LOWDate Received: 05/12/07% Moisture: not dec. 16Date Analyzed: 05/18/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

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

CAS NO. COMPOUND

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	21	
75-69-4	Trichlorodifluoromethane	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	140	
71-43-2	Benzene	14	U
107-06-2	1,2-Dichloroethane	14	U

FORM I VOA-1

OLM04.3

2001.1

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609  
 Matrix: (soil/water) SOIL Lab Sample ID: F0609-01B  
 Sample wt/vol: 4.3 (g/mL) G Lab File ID: V5H7576  
 Level: (low/med) LOW Date Received: 05/12/07  
 % Moisture: not dec. 16 Date Analyzed: 05/18/07  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

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

CAS NO. COMPOUND

79-01-6	Trichloroethene	14	U
108-87-2	Methylcyclohexane	2500	E
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	8100	E
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U
127-18-4	Tetrachloroethene	14	U
591-78-6	2-Hexanone	14	U
124-48-1	Dibromochloromethane	14	U
106-93-4	1,2-Dibromoethane	14	U
108-90-7	Chlorobenzene	32000	E
100-41-4	Ethylbenzene	78000	E
1330-20-7	Xylene (Total)	14	U
100-42-5	Styrene	14	U
75-25-2	Bromoform	2800	E
98-82-8	Isopropylbenzene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B14-6

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-01B

Sample wt/vol: 4.3 (g/mL) G

Lab File ID: V5H7576

Level: (low/med) LOW

Date Received: 05/12/07

% Moisture: not dec. 16

Date Analyzed: 05/18/07

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

Dilution Factor: 1.0

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

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

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 763-29-1	1-PENTENE, 2-METHYL-	4.73	4500	NJ
2.	UNKNOWN	5.33	3200	J
3.	UNKNOWN	5.93	5400	J
4.	UNKNOWN	6.07	4000	J
5.	UNKNOWN	6.70	2600	J
6.	UNKNOWN	7.31	3700	J
7.	UNKNOWN	7.77	7200	J
8.	UNKNOWN	10.53	5800	J
9.	UNKNOWN	10.66	2600	J
10. 103-65-1	BENZENE, PROPYL-	10.82	17000	NJ
11. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	10.96	65000	NJ
12. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	11.07	36000	NJ
13. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	11.29	26000	NJ
14. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.52	61000	NJ
15. 535-77-3	BENZENE, 1-METHYL-3-(1-METHY	11.80	3800	NJ
16. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.99	26000	NJ
17. 873-49-4	BENZENE, CYCLOPROPYL-	12.23	28000	NJ
18. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.33	18000	NJ
19.	UNKNOWN	12.49	6100	J
20. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.55	4700	NJ
21. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	12.66	7200	NJ
22. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.69	5700	NJ
23. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	12.78	9300	NJ
24. 1560-06-1	BENZENE, 2-BUTENYL-	12.92	6100	NJ
25. 488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	13.26	4500	NJ
26. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	13.33	4800	NJ
27. 824-90-8	1-PHENYL-1-BUTENE	13.64	2800	NJ
28. 3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	13.84	4500	NJ
29.				
30.				

FORM I VOA-TIC

OLM04.3

DDG 1.2

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

B14-6DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM

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

SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-01BDLSample wt/vol: 5.1 (g/mL) GLab File ID: V5H7658Level: (low/med) MEDDate Received: 05/12/07% Moisture: not dec. 16Date Analyzed: 05/22/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 20.0Soil Extract Volume: 5000 (uL)Soil Aliquot Volume: 100 (uL)

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.76	26000	JD
2.	UNKNOWN	6.93	24000	JD
3.	UNKNOWN	7.07	28000	JD
4.	UNKNOWN	7.29	32000	JD
5.	UNKNOWN	7.75	33000	JD
6.	UNKNOWN	8.87	56000	JD
7.	UNKNOWN	9.01	35000	JD
8.	UNKNOWN	10.60	43000	JD
9. 103-65-1	BENZENE, PROPYL-	10.79	59000	NJD
10. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	10.89	300000	NJD
11. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.00	180000	NJD
12. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	11.23	86000	NJD
13. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.44	360000	NJD
14. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.95	140000	NJD
15. 622-97-9	BENZENE, 1-ETHENYL-4-METHYL-	12.19	130000	NJD
16. 2870-04-4	BENZENE, 2-ETHYL-1,3-DIMETHY	12.30	130000	NJD
17. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.52	36000	NJD
18. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.64	45000	NJD
19. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	12.67	59000	NJD
20. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	12.76	91000	NJD
21. 1005-64-7	BENZENE, 1-BUTENYL-, (E)-	12.89	52000	NJD
22. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.24	62000	NJD
23. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	13.31	71000	NJD
24.	UNKNOWN	13.45	43000	JD
25. 824-90-8	1-PHENYL-1-BUTENE	13.63	36000	NJD
26. 934-10-1	3-PHENYLBUT-1-ENE	13.82	110000	NJD
27. 4218-48-8	BENZENE, 1-ETHYL-4-(1-METHYL	14.30	32000	NJD
28.				
29.				
30.				

FORM I VOA-TIC

OLM04.3

62216

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-02BSample wt/vol: 4.5 (g/mL) GLab File ID: V5H7577Level: (low/med) LOWDate Received: 05/12/07% Moisture: not dec. 15Date Analyzed: 05/18/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

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

CAS NO. COMPOUND

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	7	J
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	35	
75-15-0	Carbon Disulfide	13	U
79-20-9	Methyl Acetate	13	U
75-09-2	Methylene Chloride	13	U
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	13	U
78-93-3	2-Butanone	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon Tetrachloride	54	
71-43-2	Benzene	54	
107-06-2	1,2-Dichloroethane	13	U

FORM I VOA-1

OLM04.3

46317

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-02B

Sample wt/vol: 4.5 (g/mL) G

Lab File ID: V5H7577

Level: (low/med) LOW

Date Received: 05/12/07

% Moisture: not dec. 15

Date Analyzed: 05/18/07

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

Dilution Factor: 1.0

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

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

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

CAS NO. COMPOUND

79-01-6	Trichloroethene	13	U
108-87-2	Methylcyclohexane	500	E
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	86	
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	4400	E
1330-20-7	Xylene (Total)	11000	E
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	430	E
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

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B29-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-02B

Sample wt/vol: 4.5 (g/mL) G

Lab File ID: V5H7577

Level: (low/med) LOW

Date Received: 05/12/07

% Moisture: not dec. 15

Date Analyzed: 05/18/07

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

Dilution Factor: 1.0

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

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

Number TICs found: 23

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.33	340	J
2.	UNKNOWN	5.41	280	J
3.	UNKNOWN	5.76	440	J
4.	UNKNOWN	6.06	410	J
5.	UNKNOWN	7.08	560	J
6.	UNKNOWN	8.89	300	J
7. 103-65-1	BENZENE, PROPYL-	10.79	670	NJ
8. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	10.91	3200	NJ
9. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.01	1300	NJ
10. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	11.24	860	NJ
11. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	11.48	3300	NJ
12. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.96	1100	NJ
13. 611-15-4	BENZENE, 1-ETHENYL-2-METHYL-	12.20	1400	NJ
14. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.31	810	NJ
15. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	12.64	390	NJ
16. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.67	320	NJ
17. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	12.77	490	NJ
18. 768-49-0	BENZENE, (2-METHYL-1-PROPE	12.90	520	NJ
19. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.25	310	NJ
20. 488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	13.31	430	NJ
21. 3333-13-9	BENZENE, 1-METHYL-4-(2-PROPE	13.64	290	NJ
22. 3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	13.83	590	NJ
23. 3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	14.04	420	NJ
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

OLM04.3

GGI.2

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-02BDLSample wt/vol: 4.8 (g/mL) GLab File ID: V5H7656Level: (low/med) MEDDate Received: 05/12/07% Moisture: not dec. 15Date Analyzed: 05/22/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 8.0Soil Extract Volume: 5000 (uL)Soil Aliquot Volume: 100 (uL)CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	5600	U
74-87-3	Chloromethane	5600	U
75-01-4	Vinyl Chloride	5600	U
74-83-9	Bromomethane	5600	U
75-00-3	Chloroethane	5600	U
75-69-4	Trichlorofluoromethane	5600	U
75-35-4	1,1-Dichloroethene	5600	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5600	U
67-64-1	Acetone	5600	U
75-15-0	Carbon Disulfide	5600	U
79-20-9	Methyl Acetate	5600	U
75-09-2	Methylene Chloride	5600	U
156-60-5	trans-1,2-Dichloroethene	5600	U
1634-04-4	Methyl tert-Butyl Ether	5600	U
75-34-3	1,1-Dichloroethane	5600	U
156-59-2	cis-1,2-Dichloroethene	5600	U
78-93-3	2-Butanone	5600	U
67-66-3	Chloroform	5600	U
71-55-6	1,1,1-Trichloroethane	5600	U
110-82-7	Cyclohexane	5600	U
56-23-5	Carbon Tetrachloride	5600	U
71-43-2	Benzene	5600	U
107-06-2	1,2-Dichloroethane	5600	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-02BDLSample wt/vol: 4.8 (g/mL) GLab File ID: V5H7656Level: (low/med) MEDDate Received: 05/12/07% Moisture: not dec. 15Date Analyzed: 05/22/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 8.0Soil Extract Volume: 5000 (uL)Soil Aliquot Volume: 100 (uL)CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	5600	U
108-87-2	Methylcyclohexane	5600	U
78-87-5	1,2-Dichloropropane	5600	U
75-27-4	Bromodichloromethane	5600	U
10061-01-5	cis-1,3-Dichloropropene	5600	U
108-10-1	4-Methyl-2-Pentanone	5600	U
108-88-3	Toluene	5600	U
10061-02-6	trans-1,3-Dichloropropene	5600	U
79-00-5	1,1,2-Trichloroethane	5600	U
127-18-4	Tetrachloroethene	5600	U
591-78-6	2-Hexanone	5600	U
124-48-1	Dibromochloromethane	5600	U
106-93-4	1,2-Dibromoethane	5600	U
108-90-7	Chlorobenzene	57000	D
100-41-4	Ethylbenzene	170000	D
1330-20-7	Xylene (Total)	5600	U
100-42-5	Styrene	5600	U
75-25-2	Bromoform	6000	D
98-82-8	Isopropylbenzene	5600	U
79-34-5	1,1,2,2-Tetrachloroethane	5600	U
541-73-1	1,3-Dichlorobenzene	5600	U
106-46-7	1,4-Dichlorobenzene	5600	U
95-50-1	1,2-Dichlorobenzene	5600	U
96-12-8	1,2-Dibromo-3-chloropropane	5600	U
120-82-1	1,2,4-Trichlorobenzene	5600	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: F0609-02BDL

Sample wt/vol: 4.8 (g/mL) G

Lab File ID: V5H7656

Level: (low/med) MED

Date Received: 05/12/07

% Moisture: not dec. 15

Date Analyzed: 05/22/07

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

Dilution Factor: 8.0

Soil Extract Volume: 5000 (uL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 27

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.76	15000	JD
2.	UNKNOWN	5.92	6200	JD
3. 6728-26-3	2-HEXENAL, (E)-	6.51	9500	NJD
4.	UNKNOWN	7.07	14000	JD
5.	UNKNOWN	7.14	11000	JD
6.	UNKNOWN	7.29	11000	JD
7.	UNKNOWN	7.75	19000	JD
8.	UNKNOWN	8.87	29000	JD
9.	UNKNOWN	9.00	18000	JD
10.	UNKNOWN	10.02	14000	JD
11. 103-65-1	BENZENE, PROPYL-	10.78	23000	NJD
12. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	10.88	140000	NJD
13. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.00	66000	NJD
14. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	11.23	31000	NJD
15. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.44	150000	NJD
16. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.95	55000	NJD
17.	UNKNOWN	12.18	59000	JD
18. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.30	46000	NJD
19.	UNKNOWN	12.46	15000	JD
20. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	12.66	39000	NJD
21. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	12.75	34000	NJD
22. 6004-38-2	4,7-METHANO-1H-INDENE, OCTAH	12.93	32000	NJD
23. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.24	23000	NJD
24. 488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	13.31	28000	NJD
25.	UNKNOWN	13.45	17000	JD
26. 934-10-1	3-PHENYLBUT-1-ENE	13.82	40000	NJD
27. 119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	14.03	28000	NJD
28.				
29.				
30.				

FORM I VOA-TIC

OLM04.3

65622

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-03BSample wt/vol: 4.2 (g/mL) GLab File ID: V5H7578Level: (low/med) LOWDate Received: 05/12/07% Moisture: not dec. 10Date Analyzed: 05/18/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

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

CAS NO.	COMPOUND		
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	13	U
75-09-2	Methylene Chloride	13	U
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	13	U
78-93-3	2-Butanone	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
110-82-7	Cyclohexane	13	U
56-23-5	Carbon Tetrachloride	7	J
71-43-2	Benzene	13	U
107-06-2	1,2-Dichloroethane	13	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-03BSample wt/vol: 4.2 (g/mL) GLab File ID: V5H7578Level: (low/med) LOWDate Received: 05/12/07% Moisture: not dec. 10Date Analyzed: 05/18/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

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

CAS NO.	COMPOUND	13	U
79-01-6	Trichloroethene	830	E
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	3700	E
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	5300	E
100-41-4	Ethylbenzene	25000	E
1330-20-7	Xylene (Total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	740	E
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

B39-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-03BSample wt/vol: 4.2 (g/mL) GLab File ID: VSH7578Level: (low/med) LOWDate Received: 05/12/07% Moisture: not dec. 10Date Analyzed: 05/18/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

Number TICs found: 26

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.79	2100	J
2.	UNKNOWN	6.08	880	J
3.	UNKNOWN	6.58	730	J
4.	UNKNOWN	7.09	1400	J
5.	UNKNOWN	7.76	480	J
6. 108-38-3	BENZENE, 1,3-DIMETHYL-	9.47	3200	NJ
7.	UNKNOWN	10.51	500	J
8.	UNKNOWN	10.64	250	J
9. 103-65-1	BENZENE, PROPYL-	10.80	620	NJ
10. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	10.94	2400	NJ
11. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.03	1300	NJ
12. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	11.27	900	NJ
13. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.51	2400	NJ
14. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	11.98	1000	NJ
15.	UNKNOWN	12.21	770	J
16. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	12.24	580	NJ
17. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.34	1000	NJ
18. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.54	320	NJ
19. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.66	420	NJ
20. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	12.70	450	NJ
21. 2870-04-4	BENZENE, 2-ETHYL-1,3-DIMETHY	12.79	650	NJ
22. 768-49-0	BENZENE, (2-METHYL-1-PROPENY	12.92	470	NJ
23. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.26	460	NJ
24. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.33	510	NJ
25. 3454-07-7	BENZENE, 1-ETHENYL-4-ETHYL-	13.65	400	NJ
26.	UNKNOWN	13.85	630	J
27.				
28.				
29.				
30.				

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-03BDLSample wt/vol: 5.1 (g/mL) GLab File ID: V5H7657Level: (low/med) MEDDate Received: 05/12/07% Moisture: not dec. 10Date Analyzed: 05/22/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0Soil Extract Volume: 5000 (uL)Soil Aliquot Volume: 100 (uL)CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	600	U
74-87-3	Chloromethane	600	U
75-01-4	Vinyl Chloride	600	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	600	U
75-69-4	Trichlorodifluoromethane	600	U
75-35-4	1,1-Dichloroethene	600	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	600	U
67-64-1	Acetone	600	U
75-15-0	Carbon Disulfide	600	U
79-20-9	Methyl Acetate	600	U
75-09-2	Methylene Chloride	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
1634-04-4	Methyl tert-Butyl Ether	600	U
75-34-3	1,1-Dichloroethane	600	U
156-59-2	cis-1,2-Dichloroethene	600	U
78-93-3	2-Butanone	600	U
67-66-3	Chloroform	600	U
71-55-6	1,1,1-Trichloroethane	600	U
110-82-7	Cyclohexane	600	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	600	U
107-06-2	1,2-Dichloroethane	600	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-03BDLSample wt/vol: 5.1 (g/mL) GLab File ID: V5H7657Level: (low/med) MEDDate Received: 05/12/07% Moisture: not dec. 10Date Analyzed: 05/22/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0Soil Extract Volume: 5000 (uL)Soil Aliquot Volume: 100 (uL)

CAS NO. COMPOUND

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

<u>79-01-6</u>	Trichloroethene	<u>600</u>	U
<u>108-87-2</u>	Methylcyclohexane	<u>1300</u>	D
<u>78-87-5</u>	1,2-Dichloropropane	<u>600</u>	U
<u>75-27-4</u>	Bromodichloromethane	<u>600</u>	U
<u>10061-01-5</u>	cis-1,3-Dichloropropene	<u>600</u>	U
<u>108-10-1</u>	4-Methyl-2-Pentanone	<u>600</u>	U
<u>108-88-3</u>	Toluene	<u>130</u>	DJ
<u>10061-02-6</u>	trans-1,3-Dichloropropene	<u>600</u>	U
<u>79-00-5</u>	1,1,2-Trichloroethane	<u>600</u>	U
<u>127-18-4</u>	Tetrachloroethene	<u>600</u>	U
<u>591-78-6</u>	2-Hexanone	<u>600</u>	U
<u>124-48-1</u>	Dibromochloromethane	<u>600</u>	U
<u>106-93-4</u>	1,2-Dibromoethane	<u>600</u>	U
<u>108-90-7</u>	Chlorobenzene	<u>1700</u>	D
<u>100-41-4</u>	Ethylbenzene	<u>13000</u>	D
<u>1330-20-7</u>	Xylene (Total)	<u>600</u>	U
<u>100-42-5</u>	Styrene	<u>600</u>	U
<u>75-25-2</u>	Bromoform	<u>540</u>	DJ
<u>98-82-8</u>	Isopropylbenzene	<u>600</u>	U
<u>79-34-5</u>	1,1,2,2-Tetrachloroethane	<u>600</u>	U
<u>541-73-1</u>	1,3-Dichlorobenzene	<u>600</u>	U
<u>106-46-7</u>	1,4-Dichlorobenzene	<u>600</u>	U
<u>95-50-1</u>	1,2-Dichlorobenzene	<u>600</u>	U
<u>96-12-8</u>	1,2-Dibromo-3-chloropropane	<u>600</u>	U
<u>120-82-1</u>	1,2,4-Trichlorobenzene	<u>600</u>	U

EPA SAMPLE NO.

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

B39-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-03BDLSample wt/vol: 5.1 (g/mL) GLab File ID: V5H7657Level: (low/med) MEDDate Received: 05/12/07% Moisture: not dec. 10Date Analyzed: 05/22/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0Soil Extract Volume: 5000 (uL)Soil Aliquot Volume: 100 (uL)

Number TICs found: 28

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.76	2000	JD
2.	UNKNOWN	7.07	1700	JD
3.	UNKNOWN	7.14	3400	JD
4.	UNKNOWN	7.75	3200	JD
5.	UNKNOWN	8.87	5300	JD
6.	UNKNOWN	9.01	3200	JD
7.	UNKNOWN	10.60	3500	JD
8. 103-65-1	BENZENE, PROPYL-	10.79	3500	NJD
9. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	10.89	17000	NJD
10. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.00	11000	NJD
11. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	11.23	5400	NJD
12. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.44	22000	NJD
13. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.95	9400	NJD
14. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	12.22	10000	NJD
15. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.30	10000	NJD
16. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.52	2800	NJD
17. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.64	3900	NJD
18. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	12.67	4600	NJD
19. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	12.76	7600	NJD
20. 768-49-0	BENZENE, (2-METHYL-1-PROPENY	12.89	5600	NJD
21. 527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	13.24	4900	NJD
22. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	13.31	6000	NJD
23.	UNKNOWN	13.45	4200	JD
24. 824-90-8	1-PHENYL-1-BUTENE	13.63	3800	NJD
25. 934-10-1	3-PHENYLBUT-1-ENE	13.82	9900	NJD
26. 4218-48-8	BENZENE, 1-ETHYL-4-(1-METHYL	14.30	3700	NJD
27. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	14.42	2700	NJD
28.	UNKNOWN	14.84	2500	JD
29.				
30.				

FORM I VOA-TIC.

OLM04.3

00022

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

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

V5RLCS

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: LCS-29998Sample wt/vol: 5.0 (g/mL) GLab File ID: V5H7575Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec.

Date Analyzed: 05/18/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

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

CAS NO. COMPOUND

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	Trichlorodifluoromethane	10	U
75-35-4	1,1-Dichloroethene	54	
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	55	
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5RLCS

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: LCS-29998Sample wt/vol: 5.0 (g/mL) GLab File ID: V5H7575Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/18/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

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

CAS NO.	COMPOUND	UG/KG	Q
79-01-6	Trichloroethene	56	
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	52	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	55	
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

1C  
SEMITVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-01ASample wt/vol: 30.3 (g/mL) GLab File ID: S1F2954Level: (low/med) LOWDate Received: 05/12/07% Moisture: 16 Decanted: (Y/N) NDate Extracted: 05/18/07Concentrated Extract Volume: 500 (uL)Date Analyzed: 06/01/07Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.5Extraction: (Type) SONCCONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl) Ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	18000	E
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-Methylphenol	21000	E
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	980	U
95-95-4	2,4,5-Trichlorophenol	380	J
92-52-4	1,1'-Biphenyl	390	U
91-58-7	2-Chloronaphthalene	980	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	980	U
99-09-2	3-Nitroaniline		
83-32-9	Acenaphthene	150	J

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-01ASample wt/vol: 30.3 (g/mL) GLab File ID: S1F2954Level: (low/med) LOWDate Received: 05/12/07% Moisture: 16 Decanted: (Y/N) NDate Extracted: 05/18/07Concentrated Extract Volume: 500 (uL)Date Analyzed: 06/01/07Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.5Extraction: (Type) SONCCONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U
132-64-9	Dibenzofuran	42	J
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	180	J
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	980	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	980	U
87-86-5	Pentachlorophenol	550	
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	110	J
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	520	
206-44-0	Fluoranthene	490	
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	240	J
56-55-3	Benzo(a)anthracene	250	J
218-01-9	Chrysene	290	JB
117-81-7	bis(2-Ethylhexyl)phthalate	390	U
117-84-0	Di-n-octylphthalate	290	J
205-99-2	Benzo(b)fluoranthene	100	J
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	100	J
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	95	J
191-24-2	Benzo(g,h,i)perylene		

(1) - Cannot be separated from Diphenylamine

1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B14-6

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-01A

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

Lab File ID: S1F2954

Level: (low/med) LOW

Date Received: 05/12/07

% Moisture: 16 Decanted: (Y/N) N

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.65	7000	J
2.	UNKNOWN	7.74	14000	J
3.	UNKNOWN	8.39	7400	J
4. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	8.58	26000	NJ
5. 496-11-7	INDANE	8.76	12000	NJ
6.	UNKNOWN	8.96	41000	J
7. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	9.08	7800	NJ
8.	UNKNOWN	9.46	8000	J
9. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	9.53	16000	NJ
10.	UNKNOWN	9.61	2300	J
11. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.68	23000	NJ
12.	UNKNOWN	9.73	20000	J
13. 874-35-1	1H-INDENE, 2,3-DIHYDRO-5-MET	9.95	36000	NJ
14.	UNKNOWN	10.05	21000	J
15. 2050-24-0	BENZENE, 1,3-DIETHYL-5-METHY	10.18	11000	NJ
16.	UNKNOWN	10.26	10000	J
17. 275-51-4	AZULENE	10.54	39000	NJ
18. 17851-27-3	BENZENE, 1-ETHYL-2,4,5-TRIME	10.61	8400	NJ
19. 4810-04-2	BENZENE, 1,3,5-TRIMETHYL-2-P	10.72	4100	NJ
20.	UNKNOWN	10.86	2200	J
21. 56147-63-8	2-ETHYL-2,3-DIHYDRO-1H-INDEN	10.93	12000	NJ
22.	UNKNOWN	10.98	3000	J
23.	UNKNOWN	11.03	4500	J
24. 769-57-3	.ALPHA., .BETA., .BETA.-TRIMET	11.23	4300	NJ
25.	UNKNOWN	11.29	4900	J
26. 50704-01-3	BENZENE, (1,3-DIMETHYL-2-BUT	11.50	2400	NJ
27.	UNKNOWN	11.55	2000	J
28. 90-12-0	NAPHTHALENE, 1-METHYL-	11.83	15000	NJ
29. 582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	12.67	3500	NJ
30. 582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	12.78	3500	NJ

FORM I SV-TIC

OLM04.3

5012-24-2

1C  
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-01ADLSample wt/vol: 30.3 (g/mL) GLab File ID: S1F2957Level: (low/med) LOWDate Received: 05/12/07% Moisture: 16 Decanted: (Y/N) NDate Extracted: 05/18/07Concentrated Extract Volume: 500 (uL)Date Analyzed: 06/01/07Injection Volume: 2.0 (uL)Dilution Factor: 20.0GPC Cleanup: (Y/N) Y pH: 7.5Extraction: (Type) SONC

CAS NO. COMPOUND

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

100-52-7	Benzaldehyde	7800	U
108-95-2	Phenol	7800	U
111-44-4	bis(2-Chloroethyl) Ether	7800	U
95-57-8	2-Chlorophenol	7800	U
95-48-7	2-Methylphenol	7800	U
108-60-1	2,2'-oxybis(1-Chloropropane)	7800	U
98-86-2	Acetophenone	7800	U
106-44-5	4-Methylphenol	7800	U
621-64-7	N-Nitroso-di-n-propylamine	7800	U
67-72-1	Hexachloroethane	7800	U
98-95-3	Nitrobenzene	7800	U
78-59-1	Isophorone	7800	U
88-75-5	2-Nitrophenol	7800	U
105-67-9	2,4-Dimethylphenol	7800	U
111-91-1	bis(2-Chloroethoxy)methane	7800	U
120-83-2	2,4-Dichlorophenol	7800	U
91-20-3	Naphthalene	28000	D
106-47-8	4-Chloroaniline	7800	U
87-68-3	Hexachlorobutadiene	7800	U
105-60-2	Caprolactam	7800	U
59-50-7	4-Chloro-3-Methylphenol	7800	U
91-57-6	2-Methylnaphthalene	31000	D
77-47-4	Hexachlorocyclopentadiene	7800	U
88-06-2	2,4,6-Trichlorophenol	7800	U
95-95-4	2,4,5-Trichlorophenol	20000	U
92-52-4	1,1'-Biphenyl	7800	U
91-58-7	2-Chloronaphthalene	7800	U
88-74-4	2-Nitroaniline	20000	U
131-11-3	Dimethylphthalate	7800	U
606-20-2	2,6-Dinitrotoluene	7800	U
208-96-8	Acenaphthylene	7800	U
99-09-2	3-Nitroaniline	20000	U
83-32-9	Acenaphthene	7800	U

1D  
SEMOVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B14-6DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-01ADL

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

Lab File ID: S1F2957

Level: (low/med) LOW

Date Received: 05/12/07

% Moisture: 16 Decanted: (Y/N) N

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 20.0

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

Extraction: (Type) SONC

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

CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	20000	U
100-02-7	4-Nitrophenol	20000	U
132-64-9	Dibenzofuran	7800	U
121-14-2	2,4-Dinitrotoluene	7800	U
84-66-2	Diethylphthalate	7800	U
86-73-7	Fluorene	7800	U
7005-72-3	4-Chlorophenyl-phenylether	7800	U
100-01-6	4-Nitroaniline	20000	U
534-52-1	4,6-Dinitro-2-methylphenol	20000	U
86-30-6	N-Nitrosodiphenylamine (1)	7800	U
101-55-3	4-Bromophenyl-phenylether	7800	U
118-74-1	Hexachlorobenzene	7800	U
1912-24-9	Atrazine	7800	U
87-86-5	Pentachlorophenol	20000	U
85-01-8	Phenanthrene	7800	U
120-12-7	Anthracene	7800	U
86-74-8	Carbazole	7800	U
84-74-2	Di-n-butylphthalate	7800	U
206-44-0	Fluoranthene	7800	U
129-00-0	Pyrene	7800	U
85-68-7	Butylbenzylphthalate	7800	U
91-94-1	3,3'-Dichlorobenzidine	7800	U
56-55-3	Benzo(a)anthracene	7800	U
218-01-9	Chrysene	7800	U
117-81-7	bis(2-Ethylhexyl)phthalate	7800	U
117-84-0	Di-n-octylphthalate	7800	U
205-99-2	Benzo(b)fluoranthene	7800	U
207-08-9	Benzo(k)fluoranthene	7800	U
50-32-8	Benzo(a)pyrene	7800	U
193-39-5	Indeno(1,2,3-cd)pyrene	7800	U
53-70-3	Dibenzo(a,h)anthracene	7800	U
191-24-2	Benzo(g,h,i)perylene	7800	U

(1) - Cannot be separated from Diphenylamine

1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B14-6DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-01ADL

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

Lab File ID: S1F2957

Level: (low/med) LOW

Date Received: 05/12/07

% Moisture: 16 Decanted: (Y/N) N

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 20.0

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

Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 103-65-1	BENZENE, PROPYL-	7.63	17000	NJD
2. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	7.72	45000	NJD
3. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	7.82	22000	NJD
4. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	7.95	15000	NJD
5. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.16	77000	NJD
6. 36231-13-7	1,2,3,4,5,8-HEXAHYDRONAPHTHA	8.33	6700	NJD
7. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.51	24000	NJD
8. 496-11-7	INDANE	8.70	12000	NJD
9. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	8.78	13000	NJD
10. 1074-17-5	BENZENE, 1-METHYL-2-PROPYL-	8.82	28000	NJD
11. 105-05-5	BENZENE, 1,4-DIETHYL-	8.88	41000	NJD
12. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	9.00	7800	NJD
13. 933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	9.11	14000	NJD
14. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	9.14	17000	NJD
15. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	9.22	30000	NJD
16. 2096-86-8	4-METHYLPHENYL ACETONE	9.39	8200	NJD
17. 99-87-6	BENZENE, 1-METHYL-4-(1-METHY	9.46	6800	NJD
18. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.59	12000	NJD
19. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.64	16000	NJD
20. 700-12-9	BENZENE, PENTAMETHYL-	9.79	5000	NJD
21. 494-97-3	PYRIDINE, 3-(2-PYRROLIDINYL)	9.84	8600	NJD
22. 824-22-6	1H-INDENE, 2,3-DIHYDRO-4-MET	9.90	11000	NJD
23. 824-90-8	1-PHENYL-1-BUTENE	10.01	23000	NJD
24. 4920-99-4	BENZENE, 1-ETHYL-3-(1-METHYL	10.12	6400	NJD
25. 1595-16-0	BENZENE, 1-METHYL-4-(1-METHY	10.20	5900	NJD
26. 20836-11-7	1H-INDENE, 2,3-DIHYDRO-2,2-DI	10.41	7000	NJD
27. 700-12-9	BENZENE, PENTAMETHYL-	10.55	4700	NJD
28. 4701-36-4	BENZENE, (1-ETHYL-1-PROPYNYL	10.88	6100	NJD
29. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	11.05	5000	NJD
30. 90-12-0	NAPHTHALENE, 1-METHYL-	11.77	6500	NJD

1C  
SEMOVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-02A

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

Lab File ID: S1F2955

Level: (low/med) LOW

Date Received: 05/12/07

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

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

Extraction: (Type) SONC

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

CAS NO. COMPOUND

100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl) Ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	2500	
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	3600	E
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	970	U
92-52-4	1,1'-Biphenyl	79	J
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	390	U
606-20-2	2,6-Dinitrotoluene	390	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	390	U

## SEMOVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-02ASample wt/vol: 30.2 (g/mL) GLab File ID: S1F2955Level: (low/med) LOWDate Received: 05/12/07% Moisture: 15 Decanted: (Y/N) NDate Extracted: 05/18/07Concentrated Extract Volume: 500 (uL)Date Analyzed: 06/01/07Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.9Extraction: (Type) SONC

CAS NO. COMPOUND

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

51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
86-73-7	Fluorene	42	J
7005-72-3	4-Chlorophenyl-phenylether	390	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	54	J
218-01-9	Chrysene	60	J
117-81-7	bis(2-Ethylhexyl)phthalate	360	JB
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	64	J
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	44	J
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U
191-24-2	Benzo(q,h,i)perylene	390	U

(1) - Cannot be separated from Diphenylamine

1G

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

B29-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-02ASample wt/vol: 30.2 (g/mL) GLab File ID: S1F2955Level: (low/med) LOWDate Received: 05/12/07% Moisture: 15 Decanted: (Y/N) NDate Extracted: 05/18/07Concentrated Extract Volume: 500 (uL)Date Analyzed: 06/01/07Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.9Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	7.72	430	NJ
2. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	7.82	290	NJ
3. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.15	980	NJ
4. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.51	400	NJ
5. 496-11-7	INDANE	8.70	220	NJ
6.	UNKNOWN	8.78	280	J
7.	UNKNOWN	8.82	520	J
8. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	8.88	900	NJ
9. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	9.11	290	NJ
10. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	9.15	360	NJ
11.	UNKNOWN	9.40	250	J
12. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETHY	9.46	310	NJ
13. 6004-38-2	4,7-METHANO-1H-INDENE, OCTAH	9.50	260	NJ
14.	UNKNOWN	9.60	520	J
15. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.64	670	NJ
16.	UNKNOWN	9.86	500	J
17. 934-10-1	3-PHENYLBUT-1-ENE	9.90	640	NJ
18.	UNKNOWN	9.98	460	J
19.	UNKNOWN	10.12	360	J
20. 1559-81-5	NAPHTHALENE, 1,2,3,4-TETRAHY	10.41	410	NJ
21. 4701-36-4	BENZENE, (1-ETHYL-1-PROPYNYL	10.89	450	NJ
22.	UNKNOWN	11.01	210	J
23. 1680-51-9	NAPHTHALENE, 1,2,3,4-TETRAHY	11.25	200	NJ
24. 90-12-0	NAPHTHALENE, 1-METHYL-	11.78	490	NJ
25. 1127-76-0	NAPHTHALENE, 1-ETHYL-	12.53	340	NJ
26. 582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	12.65	590	NJ
27. 569-41-5	NAPHTHALENE, 1,8-DIMETHYL-	12.77	620	NJ
28. 575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	12.81	440	NJ
29. 57-10-3	N-HEXADECANOIC ACID	16.66	1000	NJ
30. 57-11-4	OCTADECANOIC ACID	17.97	1100	NJ

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-02ADLSample wt/vol: 30.2 (g/mL) GLab File ID: S1F2958Level: (low/med) LOWDate Received: 05/12/07% Moisture: 15 Decanted: (Y/N) NDate Extracted: 05/18/07Concentrated Extract Volume: 500 (uL)Date Analyzed: 06/01/07Injection Volume: 2.0 (uL)Dilution Factor: 2.0GPC Cleanup: (Y/N) Y pH: 7.9Extraction: (Type) SONCCONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	770	U
108-95-2	Phenol	770	U
111-44-4	bis(2-Chloroethyl) Ether	770	U
95-57-8	2-Chlorophenol	770	U
95-48-7	2-Methylphenol	770	U
108-60-1	2,2'-oxybis(1-Chloropropane)	770	U
98-86-2	Acetophenone	770	U
106-44-5	4-Methylphenol	770	U
621-64-7	N-Nitroso-di-n-propylamine	770	U
67-72-1	Hexachloroethane	770	U
98-95-3	Nitrobenzene	770	U
78-59-1	Isophorone	770	U
88-75-5	2-Nitrophenol	770	U
105-67-9	2,4-Dimethylphenol	770	U
111-91-1	bis(2-Chloroethoxy)methane	770	U
120-83-2	2,4-Dichlorophenol	2600	D
91-20-3	Naphthalene	770	U
106-47-8	4-Chloroaniline	770	U
87-68-3	Hexachlorobutadiene	770	U
105-60-2	Caprolactam	770	U
59-50-7	4-Chloro-3-Methylphenol	3600	D
91-57-6	2-Methylnaphthalene	770	U
77-47-4	Hexachlorocyclopentadiene	770	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	91	DJ
92-52-4	1,1'-Biphenyl	770	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	770	U
131-11-3	Dimethylphthalate	770	U
606-20-2	2,6-Dinitrotoluene	770	U
208-96-8	Acenaphthylene	1900	U
99-09-2	3-Nitroaniline	770	U
83-32-9	Acenaphthene	770	U

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-02ADL

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

Lab File ID: S1F2958

Level: (low/med) LOW

Date Received: 05/12/07

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

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

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

Extraction: (Type) SONC

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

CAS NO.	COMPOUND	1900	U
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	770	U
121-14-2	2,4-Dinitrotoluene	770	U
84-66-2	Diethylphthalate	770	U
86-73-7	Fluorene	770	U
7005-72-3	4-Chlorophenyl-phenylether	1900	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	770	U
86-30-6	N-Nitrosodiphenylamine (I)	770	U
101-55-3	4-Bromophenyl-phenylether	770	U
118-74-1	Hexachlorobenzene	770	U
1912-24-9	Atrazine	1900	U
87-86-5	Pentachlorophenol	150	DJ
85-01-8	Phenanthrene	770	U
120-12-7	Anthracene	770	U
86-74-8	Carbazole	770	U
84-74-2	Di-n-butylphthalate	130	DJ
206-44-0	Fluoranthene	130	DJ
129-00-0	Pyrene	770	U
85-68-7	Butylbenzylphthalate	770	U
91-94-1	3,3'-Dichlorobenzidine	770	U
56-55-3	Benzo(a)anthracene	770	U
218-01-9	Chrysene	360	DJB
117-81-7	bis(2-Ethylhexyl)phthalate	770	U
117-84-0	Di-n-octylphthalate	770	U
205-99-2	Benzo(b)fluoranthene	770	U
207-08-9	Benzo(k)fluoranthene	770	U
50-32-8	Benzo(a)pyrene	770	U
193-39-5	Indeno(1,2,3-cd)pyrene	770	U
53-70-3	Dibenzo(a,h)anthracene	770	U
191-24-2	Benzo(g,h,i)perylene	770	U

(1) - Cannot be separated from Diphenylamine

1D  
SEMVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-02ADL

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

Lab File ID: S1F2958

Level: (low/med) LOW

Date Received: 05/12/07

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

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

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

Extraction: (Type) SONC

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

CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	770	U
121-14-2	2,4-Dinitrotoluene	770	U
84-66-2	Diethylphthalate	770	U
86-73-7	Fluorene	770	U
7005-72-3	4-Chlorophenyl-phenylether	1900	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	770	U
86-30-6	N-Nitrosodiphenylamine (1)	770	U
101-55-3	4-Bromophenyl-phenylether	770	U
118-74-1	Hexachlorobenzene	770	U
1912-24-9	Atrazine	1900	U
87-86-5	Pentachlorophenol	150	DJ
85-01-8	Phenanthrene	770	U
120-12-7	Anthracene	770	U
86-74-8	Carbazole	770	U
84-74-2	Di-n-butylphthalate	130	DJ
206-44-0	Fluoranthene	130	DJ
129-00-0	Pyrene	770	U
85-68-7	Butylbenzylphthalate	770	U
91-94-1	3,3'-Dichlorobenzidine	770	U
56-55-3	Benzo(a)anthracene	770	U
218-01-9	Chrysene	770	U
117-81-7	bis(2-Ethylhexyl)phthalate	360	DJB
117-84-0	Di-n-octylphthalate	770	U
205-99-2	Benzo(b)fluoranthene	770	U
207-08-9	Benzo(k)fluoranthene	770	U
50-32-8	Benzo(a)pyrene	770	U
193-39-5	Indeno(1,2,3-cd)pyrene	770	U
53-70-3	Dibenzo(a,h)anthracene	770	U
191-24-2	Benzo(g,h,i)perylene	770	U

(1) - Cannot be separated from Diphenylamine

1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B29-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-02ADL

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

Lab File ID: S1F2958

Level: (low/med) LOW

Date Received: 05/12/07

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

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 2.0

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

Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 103-65-1	BENZENE, PROPYL-	7.63	760	NJD
2. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	7.72	1600	NJD
3. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	7.82	970	NJD
4. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	7.94	560	NJD
5. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.15	3600	NJD
6. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	8.50	1500	NJD
7. 496-11-7	INDANE	8.70	960	NJD
8.	UNKNOWN	8.78	1200	JD
9. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	8.81	1900	NJD
10. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	8.87	3200	NJD
11.	UNKNOWN	8.95	770	JD
12. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	9.10	1100	NJD
13. 527-84-4	BENZENE, 1-METHYL-2-(1-METHY	9.14	1300	NJD
14.	UNKNOWN	9.39	1100	JD
15.	UNKNOWN	9.46	610	JD
16. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.59	880	NJD
17.	UNKNOWN	9.85	950	JD
18. 824-90-8	1-PHENYL-1-BUTENE	9.90	1100	NJD
19. 824-90-8	1-PHENYL-1-BUTENE	10.01	1600	NJD
20. 2050-24-0	BENZENE, 1,3-DIETHYL-5-METHY	10.12	710	NJD
21. 119-64-2	NAPHTHALENE, 1,2,3,4-TETRAHY	10.18	1100	NJD
22. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	10.41	820	NJD
23. 4218-48-8	BENZENE, 1-ETHYL-4-(1-METHYL	10.55	750	NJD
24.	UNKNOWN	10.88	940	JD
25.	UNKNOWN	11.00	550	JD
26. 90-12-0	NAPHTHALENE, 1-METHYL-	11.77	830	NJD
27. 582-16-1	NAPHTHALENE, 2,7-DIMETHYL-	12.63	660	NJD
28. 575-41-7	NAPHTHALENE, 1,3-DIMETHYL-	12.75	720	NJD
29. 57-10-3	N-HEXADECANOIC ACID	16.64	830	NJD
30. 57-11-4	OCTADECANOIC ACID	17.96	830	NJD

FORM I SV-TIC

OLM04.3

82942

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-03ASample wt/vol: 30.2 (g/mL) GLab File ID: S1F2956Level: (low/med) LOWDate Received: 05/12/07% Moisture: 10 Decanted: (Y/N) NDate Extracted: 05/18/07Concentrated Extract Volume: 500 (uL)Date Analyzed: 06/01/07Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.5Extraction: (Type) SONCCONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	64	J
111-44-4	bis(2-Chloroethyl)Ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	64	J
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	7000	E
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-Methylphenol	10000	E
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	920	U
95-95-4	2,4,5-Trichlorophenol	360	U
92-52-4	1,1'-Biphenyl	360	U
91-58-7	2-Chloronaphthalene	920	U
88-74-4	2-Nitroaniline	360	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
99-09-2	3-Nitroaniline	920	U
83-32-9	Acenaphthene	49	J

1D  
SEMITVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-03ASample wt/vol: 30.2 (g/mL) GLab File ID: S1F2956Level: (low/med) LOWDate Received: 05/12/07% Moisture: 10 Decanted: (Y/N) NDate Extracted: 05/18/07Concentrated Extract Volume: 500 (uL)Date Analyzed: 06/01/07Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.5Extraction: (Type) SONCCONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
86-73-7	Fluorene	51	J
7005-72-3	4-Chlorophenyl-phenylether	360	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	Di-n-butylphthalate	80	J
206-44-0	Fluoranthene	82	J
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	260	JB
117-81-7	bis(2-Ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U
191-24-2	Benzo(q,h,i)perylene	360	U

(1) - Cannot be separated from Diphenylamine

**SEMITOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS**

B39-11

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM

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

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-03ASample wt/vol: 30.2 (g/mL) GLab File ID: S1F2956Level: (low/med) LOWDate Received: 05/12/07% Moisture: 10 Decanted: (Y/N) NDate Extracted: 05/18/07Concentrated Extract Volume: 500 (uL)Date Analyzed: 06/01/07Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: 7.5Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 103-65-1	BENZENE, PROPYL-	7.63	230	NJ
2. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	7.72	750	NJ
3. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	7.96	280	NJ
4. 108-67-8	BENZENE, 1,3,5-TRIMETHYL-	8.18	1700	NJ
5.	UNKNOWN	8.45	160	J
6. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	8.51	550	NJ
7. 496-11-7	INDANE	8.70	260	NJ
8.	UNKNOWN	8.78	320	J
9. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	8.82	710	NJ
10.	UNKNOWN	9.13	490	J
11. 527-84-4	BENZENE, 1-METHYL-2-(1-METHYL-	9.16	430	NJ
12.	UNKNOWN	9.41	160	J
13. 933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHYL-	9.47	310	NJ
14.	UNKNOWN	9.61	580	J
15. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.66	730	NJ
16.	UNKNOWN	9.78	240	J
17.	UNKNOWN	9.86	310	J
18. 824-22-6	1H-INDENE, 2,3-DIHYDRO-4-METHYL-	9.91	540	NJ
19.	UNKNOWN	10.13	300	J
20.	UNKNOWN	10.21	330	J
21. 700-12-9	BENZENE, PENTAMETHYL-	10.56	220	NJ
22.	UNKNOWN	10.68	110	J
23. 4701-36-4	BENZENE, (1-ETHYL-1-PROPYNYL	10.89	330	NJ
24. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	11.06	320	NJ
25.	UNKNOWN	11.25	170	J
26. 90-12-0	NAPHTHALENE, 1-METHYL-	11.79	650	NJ
27.	UNKNOWN	11.90	450	J
28.	UNKNOWN	11.96	590	J
29. 1127-76-0	NAPHTHALENE, 1-ETHYL-	12.53	780	NJ
30. 581-40-8	NAPHTHALENE, 2,3-DIMETHYL-	12.77	1300	NJ

FORM I SV-TIC

OLM04.3

6245

1C  
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-03ADL

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

Lab File ID: S1F2959

Level: (low/med) LOW

Date Received: 05/12/07

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

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

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

Extraction: (Type) SONC

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

CAS NO.	COMPOUND		
100-52-7	Benzaldehyde	3600	U
108-95-2	Phenol	3600	U
111-44-4	bis(2-Chloroethyl) Ether	3600	U
95-57-8	2-Chlorophenol	3600	U
95-48-7	2-Methylphenol	3600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3600	U
98-86-2	Acetophenone	3600	U
106-44-5	4-Methylphenol	3600	U
621-64-7	N-Nitroso-di-n-propylamine	3600	U
67-72-1	Hexachloroethane	3600	U
98-95-3	Nitrobenzene	3600	U
78-59-1	Isophorone	3600	U
88-75-5	2-Nitrophenol	3600	U
105-67-9	2,4-Dimethylphenol	3600	U
111-91-1	bis(2-Chloroethoxy)methane	3600	U
120-83-2	2,4-Dichlorophenol	7700	D
91-20-3	Naphthalene	3600	U
106-47-8	4-Chloroaniline	3600	U
87-68-3	Hexachlorobutadiene	3600	U
105-60-2	Caprolactam	3600	U
59-50-7	4-Chloro-3-Methylphenol	10000	D
91-57-6	2-Methylnaphthalene	3600	U
77-47-4	Hexachlorocyclopentadiene	3600	U
88-06-2	2,4,6-Trichlorophenol	9200	U
95-95-4	2,4,5-Trichlorophenol	3600	U
92-52-4	1,1'-Biphenyl	3600	U
91-58-7	2-Chloronaphthalene	9200	U
88-74-4	2-Nitroaniline	3600	U
131-11-3	Dimethylphthalate	3600	U
606-20-2	2,6-Dinitrotoluene	3600	U
208-96-8	Acenaphthylene	9200	U
99-09-2	3-Nitroaniline	3600	U
83-32-9	Acenaphthene		

ID  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B39-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: F0609-03ADL

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

Lab File ID: S1F2959

Level: (low/med) LOW

Date Received: 05/12/07

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

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

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

Extraction: (Type) SONC

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

CAS NO.	COMPOUND		
51-28-5	2,4-Dinitrophenol	9200	U
100-02-7	4-Nitrophenol	9200	U
132-64-9	Dibenzofuran	3600	U
121-14-2	2,4-Dinitrotoluene	3600	U
84-66-2	Diethylphthalate	3600	U
86-73-7	Fluorene	3600	U
7005-72-3	4-Chlorophenyl-phenylether	3600	U
100-01-6	4-Nitroaniline	9200	U
534-52-1	4,6-Dinitro-2-methylphenol	9200	U
86-30-6	N-Nitrosodiphenylamine (1)	3600	U
101-55-3	4-Bromophenyl-phenylether	3600	U
118-74-1	Hexachlorobenzene	3600	U
1912-24-9	Atrazine	3600	U
87-86-5	Pentachlorophenol	9200	U
85-01-8	Phenanthrene	3600	U
120-12-7	Anthracene	3600	U
86-74-8	Carbazole	3600	U
84-74-2	Di-n-butylphthalate	3600	U
206-44-0	Fluoranthene	3600	U
129-00-0	Pyrene	3600	U
85-68-7	Butylbenzylphthalate	3600	U
91-94-1	3,3'-Dichlorobenzidine	3600	U
56-55-3	Benzo(a)anthracene	3600	U
218-01-9	Chrysene	3600	U
117-81-7	bis(2-Ethylhexyl)phthalate	3600	U
117-84-0	Di-n-octylphthalate	3600	U
205-99-2	Benzo(b)fluoranthene	3600	U
207-08-9	Benzo(k)fluoranthene	3600	U
50-32-8	Benzo(a)pyrene	3600	U
193-39-5	Indeno(1,2,3-cd)pyrene	3600	U
53-70-3	Dibenzo(a,h)anthracene	3600	U
191-24-2	Benzo(g,h,i)perylene	3600	U

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

B39-11DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM

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

SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-03ADLSample wt/vol: 30.2 (g/mL) GLab File ID: S1F2959Level: (low/med) LOWDate Received: 05/12/07% Moisture: 10 Decanted: (Y/N) NDate Extracted: 05/18/07Concentrated Extract Volume: 500 (uL)Date Analyzed: 06/01/07Injection Volume: 2.0 (uL)Dilution Factor: 10.0GPC Cleanup: (Y/N) Y pH: 7.5Extraction: (Type) SONC

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.63	2200	JD
2. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	7.72	6000	NJD
3. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	7.82	4200	NJD
4. 622-96-8	BENZENE, 1-ETHYL-4-METHYL-	7.95	2600	NJD
5. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	8.15	16000	NJD
6. 95-63-6	BENZENE, 1,2,4-TRIMETHYL-	8.50	5200	NJD
7. 496-11-7	INDANE	8.70	2200	NJD
8.	UNKNOWN	8.77	3000	JD
9. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	8.81	6800	NJD
10. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	8.87	11000	NJD
11.	UNKNOWN	8.95	1300	JD
12. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	9.10	3900	NJD
13. 535-77-3	BENZENE, 1-METHYL-3-(1-METHY	9.14	3700	NJD
14.	UNKNOWN	9.39	1600	JD
15. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.59	2900	NJD
16. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	9.63	4200	NJD
17. 13632-94-5	BENZENE, 1,4-DIETHYL-2-METHY	9.79	1400	NJD
18.	UNKNOWN	9.85	2200	JD
19. 824-22-6	1H-INDENE, 2,3-DIHYDRO-4-MET	9.90	2800	NJD
20.	UNKNOWN	9.95	1900	JD
21. 824-90-8	1-PHENYL-1-BUTENE	10.00	6700	NJD
22.	UNKNOWN	10.12	1700	JD
23. 1595-16-0	BENZENE, 1-METHYL-4-(1-METHY	10.19	1900	NJD
24. 20836-11-7	1H-INDENE, 2,3-DIHYDRO-2,2-DI	10.40	2400	NJD
25. 4701-36-4	BENZENE, (1-ETHYL-1-PROPYNYL	10.87	1500	NJD
26. 6682-71-9	1H-INDENE, 2,3-DIHYDRO-4,7-D	11.05	1800	NJD
27.	UNKNOWN	11.25	1000	JD
28. 90-12-0	NAPHTHALENE, 1-METHYL-	11.77	2800	NJD
29. 575-37-1	NAPHTHALENE, 1,7-DIMETHYL-	12.62	1200	NJD
30. 575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	12.75	1300	NJD

FORM I SV-TIC .

OLM04.3

OOLM04.3

1C  
SEMICVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1RLCS

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: LCS-29995Sample wt/vol: 30.0 (g/mL) GLab File ID: S1F2953Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: 0 Decanted: (Y/N) NDate Extracted: 05/18/07Concentrated Extract Volume: 500 (uL)Date Analyzed: 06/01/07Injection Volume: 2.0 (uL)Dilution Factor: 1.0GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_Extraction: (Type) SONCCONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND		
100-52-7	Benzaldehyde	330	U
108-95-2	Phenol	2000	
111-44-4	bis(2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	1900	
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	1300	
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
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	2000	
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	830	U
95-95-4	2,4,5-Trichlorophenol	330	U
92-52-4	1,1'-Biphenyl	330	U
91-58-7	2-Chloronaphthalene	830	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	330	U
606-20-2	2,6-Dinitrotoluene	330	U
208-96-8	Acenaphthylene	830	U
99-09-2	3-Nitroaniline	1200	
83-32-9	Acenaphthene		

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1RLCS

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: LCS-29995

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

Lab File ID: S1F2953

Level: (low/med) LOW

Date Received: \_\_\_\_\_

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

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

Extraction: (Type) SONC

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

CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	2100	
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	1300	
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 (1)	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	2100	
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	980	
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	120	JB
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-01BDLSample wt/vol: 5.1 (g/mL) GLab File ID: V5H7658Level: (low/med) MEDDate Received: 05/12/07% Moisture: not dec. 16Date Analyzed: 05/22/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 20.0Soil Extract Volume: 5000 (uL)Soil Aliquot Volume: 100 (uL)CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	14000	U
74-87-3	Chloromethane	14000	U
75-01-4	Vinyl Chloride	14000	U
74-83-9	Bromomethane	14000	U
75-00-3	Chloroethane	14000	U
75-69-4	Trichlorofluoromethane	14000	U
75-35-4	1,1-Dichloroethene	14000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	14000	U
67-64-1	Acetone	14000	U
75-15-0	Carbon Disulfide	14000	U
79-20-9	Methyl Acetate	14000	U
75-09-2	Methylene Chloride	14000	U
156-60-5	trans-1,2-Dichloroethene	14000	U
1634-04-4	Methyl tert-Butyl Ether	14000	U
75-34-3	1,1-Dichloroethane	14000	U
156-59-2	cis-1,2-Dichloroethene	14000	U
78-93-3	2-Butanone	14000	U
67-66-3	Chloroform	14000	U
71-55-6	1,1,1-Trichloroethane	14000	U
110-82-7	Cyclohexane	14000	U
56-23-5	Carbon Tetrachloride	14000	U
71-43-2	Benzene	14000	U
107-06-2	1,2-Dichloroethane	14000	U

EPA SAMPLE NO.

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

B14-6DL

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: F0609-01BDLSample wt/vol: 5.1 (g/mL) GLab File ID: V5H7658Level: (low/med) MEDDate Received: 05/12/07% Moisture: not dec. 16Date Analyzed: 05/22/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 20.0Soil Extract Volume: 5000 (uL)Soil Aliquot Volume: 100 (uL)CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO. COMPOUND

79-01-6	Trichloroethene	14000	U
108-87-2	Methylcyclohexane	14000	D
78-87-5	1,2-Dichloropropane	14000	U
75-27-4	Bromodichloromethane	14000	U
10061-01-5	cis-1,3-Dichloropropene	14000	U
108-10-1	4-Methyl-2-Pentanone	11000	DJ
108-88-3	Toluene	14000	U
10061-02-6	trans-1,3-Dichloropropene	14000	U
79-00-5	1,1,2-Trichloroethane	14000	U
127-18-4	Tetrachloroethene	14000	U
591-78-6	2-Hexanone	14000	U
124-48-1	Dibromochloromethane	14000	U
106-93-4	1,2-Dibromoethane	14000	U
108-90-7	Chlorobenzene	67000	D
100-41-4	Ethylbenzene	390000	D
1330-20-7	Xylene (Total)	14000	U
100-42-5	Styrene	14000	U
75-25-2	Bromoform	100000	DJ
98-82-8	Isopropylbenzene	14000	U
79-34-5	1,1,2,2-Tetrachloroethane	14000	U
541-73-1	1,3-Dichlorobenzene	14000	U
106-46-7	1,4-Dichlorobenzene	14000	U
95-50-1	1,2-Dichlorobenzene	14000	U
96-12-8	1,2-Dibromo-3-chloropropane	14000	U
120-82-1	1,2,4-Trichlorobenzene	14000	U

USEPA - CLP

1A-IN

EPA SAMPLE NO.

## INORGANIC ANALYSIS DATA SHEET

B14-6

Lab Name: Mitkem Corporation

Contract: 2660-02

Lab Code: MITKEM Case No.:

NRAS No.: SDG No.: MF0609

Matrix (soil/water): SOIL

Lab Sample ID: F0609-01

Level (low/med): MED

Date Received: 05/12/2007

% Solids: 84.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12200			P
7440-36-0	Antimony	5.6	U	N	P
7440-38-2	Arsenic	2.0			P
7440-39-3	Barium	44.0			P
7440-41-7	Beryllium	0.47	U		P
7440-43-9	Cadmium	0.47	U		P
7440-70-2	Calcium	1820			P
7440-47-3	Chromium	18.3			P
7440-48-4	Cobalt	7.4			P
7440-50-8	Copper	22.6			P
7439-89-6	Iron	18600			P
7439-92-1	Lead	27.3	*		P
7439-95-4	Magnesium	4320			P
7439-96-5	Manganese	239			P
7439-97-6	Mercury	0.11	J	N*	CV
7440-02-0	Nickel	14.8			P
7440-09-7	Potassium	1140			P
7782-49-2	Selenium	0.96	J		P
7440-22-4	Silver	0.94	U		P
7440-23-5	Sodium	112	J		P
7440-28-0	Thallium	1.8	J		P
7440-62-2	Vanadium	19.5			P
7440-66-6	Zinc	54.1	*E		P

Color Before GREY

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

USEPA - CLP

1A-IN

EPA SAMPLE NO.

## INORGANIC ANALYSIS DATA SHEET

B29-11

Contract: 2660-02

NRAS No.:

SDG No.: MF0609

Lab Sample ID: F0609-02

Date Received: 05/12/2007

Lab Name: Mitkem Corporation

Lab Code: MITKEM Case No.:

Matrix (soil/water): SOIL

Level (low/med): MED

% Solids: 84.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900			P
7440-36-0	Antimony	6.4	U	N	P
7440-38-2	Arsenic	2.5			P
7440-39-3	Barium	41.7			P
7440-41-7	Beryllium	0.53	U		P
7440-43-9	Cadmium	0.022	J		P
7440-70-2	Calcium	1670			P
7440-47-3	Chromium	14.7			P
7440-48-4	Cobalt	5.4			P
7440-50-8	Copper	19.3			P
7439-89-6	Iron	15300			P
7439-92-1	Lead	11.0	*		P
7439-95-4	Magnesium	3980			P
7439-96-5	Manganese	168			P
7439-97-6	Mercury	0.12	U	N*	CV
7440-02-0	Nickel	14.5			P
7440-09-7	Potassium	1040			P
7782-49-2	Selenium	1.3	J		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	126	J		P
7440-28-0	Thallium	1.2	J		P
7440-62-2	Vanadium	14.8			P
7440-66-6	Zinc	72.8	*E		P

Color Before GREY

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

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FORM IA - IN

ILM05.4

0652

USEPA - CLP

1A-IN

EPA SAMPLE NO.

## INORGANIC ANALYSIS DATA SHEET

Contract: 2660-02

B39-11

Lab Name: Mitkem Corporation

NRAS No.: \_\_\_\_\_

SDG No.: MF0609

Lab Code: MITKEM

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

Matrix (soil/water): SOIL

Lab Sample ID: F0609-03

Level (low/med): MED

Date Received: 05/12/2007

% Solids: 89.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9540			P
7440-36-0	Antimony	6.4	U	N	P
7440-38-2	Arsenic	0.69	J		P
7440-39-3	Barium	78.2			P
7440-41-7	Beryllium	0.54	U		P
7440-43-9	Cadmium	0.54	U		P
7440-70-2	Calcium	2020			P
7440-47-3	Chromium	20.7			P
7440-48-4	Cobalt	9.5			P
7440-50-8	Copper	34.6			P
7439-89-6	Iron	16100			P
7439-92-1	Lead	5.6	*		P
7439-95-4	Magnesium	3420			P
7439-96-5	Manganese	243			P
7439-97-6	Mercury	0.097	U	N*	CV
7440-02-0	Nickel	16.0			P
7440-09-7	Potassium	2620			P
7782-49-2	Selenium	1.2	J		P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	112	J		P
7440-28-0	Thallium	1.4	J		P
7440-62-2	Vanadium	29.6			P
7440-66-6	Zinc	65.7	*E		P

Color Before BROWN

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

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

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

Comments:

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USEPA - CLP

7-IN

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation

Contract: 2660-02

Lab Code: MITKEM

Case No.:

NRAS No.:

SDG No.: MF0609

Solid LCS Source:

LCS(D) ID:  
LCS-30048

Aqueous LCS Source:

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Mercury				3.9	4.1		2.6	5.2

USEPA - CLP

7-IN

## LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation

Contract: 2660-02

Lab Code: MITKEM

Case No.:

NRAS No.:

SDG No.: MF0609

Solid LCS Source: \_\_\_\_\_

LCS(D) ID:

Aqueous LCS Source: \_\_\_\_\_

LCS-30257

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum				7360.0	7646.8		4329.9	10399.7
Antimony				78.2	43.0		6	165.0
Arsenic				197.0	201.3		159	236.0
Barium				645.0	698.8		534	756.0
Beryllium				68.9	70.2		56.5	81.2
Cadmium				77.3	78.3		60.8	93.8
Calcium				4080.0	4705.7		3239.9	4920.1
Chromium				129.0	131.7		104	154.0
Cobalt				115.0	123.3		94.1	136.0
Copper				94.6	101.6		76.6	113.0
Iron				15100.0	11565.2		7020	23299.3
Lead				106.0	105.6		86.6	125.0
Magnesium				2370.0	2516.1		1850	2890.0
Manganese				326.0	344.9		265	387.0
Nickel				211.0	222.9		174	248.0
Potassium				2490.0	2531.0		1819.9	3160.1
Selenium				104.0	100.3		80.5	127.0
Silver				155.0	133.2		103	207.0
Sodium				722.0	735.0		462	982.0
Thallium				132.0	137.4		102	162.0
Vanadium				148.0	144.0		114	182.0
Zinc				150.0	155.2		119	181.0

2B  
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK5R	106	98	104		0
02	V5RLCS	102	97	105		0
03	B14-6	216*	147*	90		2
04	B29-11	121	88	84		0
05	B39-11	151*	99	79		1
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

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

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

2B  
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK5U	107	89	91		0
02	B29-11DL	101	73	59*		1
03	B39-11DL	103	73	57*		1
04	B14-6DL	101	71	56*		1
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

(84-138)

(59-113)

(70-121)

SMC1 (TOL) = Toluene-d8  
 SMC2 (BFB) = Bromofluorobenzene  
 SMC3 (DCE) = 1,2-Dichloroethane-d4

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

2A  
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01 VBLK5I	104	103	97		0
02 VHBLK5I	106	101	99		0
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

QC LIMITS

(88-110)

(86-115)

(76-114)

SMC1 (TOL) = Toluene-d8  
 SMC2 (BFB) = Bromofluorobenzene  
 SMC3 (DCE) = 1,2-Dichloroethane-d4

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

2D  
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLK1R	71	75	109	85	74	71	76	77	0
02	S1RLCS	74	74	109	87	81	77	78	79	0
03	B14-6	94	67	98	98	86	80	76	79	0
04	B29-11	63	69	106	75	71	67	73	71	0
05	B39-11	66	68	100	61	48	26	55	68	0
06	B14-6DL	82	64	100	74	65	70	60	73	0
07	B29-11DL	75	72	104	80	71	71	72	72	0
08	B39-11DL	72	66	101	71	45	23	51	64	0
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

QC LIMITS

S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl-d14	(18-137)
S4 (PHL)	= Phenol-d5	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)
S7 (2CP)	= 2-Chlorophenol-d4	(20-130) (advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130) (advisory)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

FORM 3  
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix Spike - Sample No.: V5RLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		54	108	59-172
Benzene	50		55	110	66-142
Trichloroethene	50		56	112	62-137
Toluene	50		52	104	59-139
Chlorobenzene	50		55	110	60-133

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

\* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

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

FORM 3  
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix Spike - Sample No.: S1RLCS Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
Phenol	2500		2000	80	26- 90
2-Chlorophenol	2500		1900	76	25-102
N-Nitroso-di-n-prop. (1)	1700		1300	76	41-126
4-Chloro-3-Methylphenol	2500		2000	80	26-103
Acenaphthene	1700		1200	71	31-137
4-Nitrophenol	2500		2100	84	11-114
2, 4-Dinitrotoluene	1700		1300	76	28- 89
Pentachlorophenol	2500		2100	84	17-109
Pyrene	1700		980	58	35-142

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk  
 \* Values outside of QC limits

RPD: 0 out of 0 outside limits  
 Spike Recovery: 0 out of 9 outside limits

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

USEPA - CLP

5A-IN

EPA SAMPLE NO.

## MATRIX SPIKE SAMPLE RECOVERY

Contract: 2660-02

B14-6S

Lab Name: Mitkem Corporation

Lab Code: MITKEM Case No.:

Matrix (soil/water): SOIL

% Solids for Sample: 84.2

NRAS No.:

SDG No.: MF0609

Level (low/med): MED

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

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony	75-125	3.0545 J	5.6000 U	18.70	16	N	P
Arsenic	75-125	8.6381	1.9623	7.48	89		P
Barium	75-125	441.4075	44.0416	374.06	106		P
Beryllium	75-125	9.1743	0.4700 U	9.35	98		P
Cadmium	75-125	9.0934	0.4700 U	9.35	97		P
Chromium	75-125	54.3155	18.3003	37.41	96		P
Cobalt	75-125	100.9987	7.3663	93.52	100		P
Copper	75-125	69.6138	22.5805	46.76	101		P
Lead		29.7592	27.2999	3.74	66		P
Manganese	75-125	341.4323	238.6096	93.52	110		P
Nickel	75-125	108.1757	14.8464	93.52	100		P
Selenium	75-125	8.9620	0.9607 J	9.35	86		P
Silver	75-125	9.5698	0.9400 U	9.35	102		P
Thallium	75-125	11.0976	1.7517 J	9.35	100		P
Vanadium	75-125	108.1255	19.5270	93.52	95		P
Zinc	75-125	151.8395	54.1427	93.52	104		P
Mercury	75-125	1.5982	0.1059 J	1.13	132	N	CV

Comments:

USEPA - CLP  
 5B-IN  
 POST-DIGESTION SPIKE SAMPLE RECOVERY  
 Lab Name: Mitkem Corporation Contract: 2660-02 EPA SAMPLE NO.  
 Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0609  
 Matrix (soil/water): SOIL Level (low/med): MED

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

Analyte	Control Limit %R	Spike Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Antimony		97.29	0.22 U	120.0	81		P

Comments:

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USEPA - CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

Lab Name: Mitkem Corporation

Contract: 2660-02

B14-6D

Lab Code: MITKEM Case No.:

NRAS No.: SDG No.: MF0609

Matrix (soil/water): SOIL

Level (low/med): MED

% Solids for Sample: 84.2

% Solids for Duplicate: 84.2

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

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		12173.1675	12152.4283	0	P	
Antimony		5.6000 U	5.6000 U		P	
Arsenic	0.9	1.9623	2.2265	13	P	
Barium	19.0	44.0416	48.1581	9	P	
Beryllium		0.4700 U	0.4700 U		P	
Cadmium		0.4700 U	0.0336 J	200	P	
Calcium	470.0	1817.9449	1869.0147	3	P	
Chromium		18.3003	19.8724	8	P	
Cobalt	4.7	7.3663	6.6598	10	P	
Copper		22.5805	24.5975	9	P	
Iron		18646.3623	19145.0515	3	P	
Lead		27.2999	53.9611	66 *	P	
Magnesium		4318.8002	4139.0616	4	P	
Manganese		238.6096	258.9358	8	P	
Nickel	3.7	14.8464	14.6938	1	P	
Potassium	470.0	1139.4126	1125.9343	1	P	
Selenium		0.9607 J	0.9332 J	3	P	
Silver		0.9400 U	0.9400 U		P	
Sodium		111.8970 J	116.4719 J	4	P	
Thallium		1.7517 J	1.8948 J	8	P	
Vanadium	4.7	19.5270	20.7234	6	P	
Zinc		54.1427	68.3602	23 *	P	
Mercury	0.1	0.1059 J	0.3583	109 *	CV	

4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5R

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Lab File ID: V5H7574Lab Sample ID: MB-29998Date Analyzed: 05/18/07Time Analyzed: 1121GC Column: DB-624 ID: 0.25 (mm)Heated Purge: (Y/N) YInstrument ID: V5

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 V5RLCS	LCS-29998	V5H7575	1201
02 B14-6	F0609-01B	V5H7576	1231
03 B29-11	F0609-02B	V5H7577	1301
04 B39-11	F0609-03B	V5H7578	1331
05			
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COMMENTS: \_\_\_\_\_

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5R

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: MB-29998Sample wt/vol: 5.0 (g/mL) GLab File ID: V5H7574Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/18/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

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

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9,	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5R

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: MB-29998Sample wt/vol: 5.0 (g/mL) GLab File ID: V5H7574Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/18/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

CAS NO. COMPOUND

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

<u>79-01-6</u>	Trichloroethene	<u>10</u>	U
<u>108-87-2</u>	Methylcyclohexane	<u>10</u>	U
<u>78-87-5</u>	1,2-Dichloropropane	<u>10</u>	U
<u>75-27-4</u>	Bromodichloromethane	<u>10</u>	U
<u>10061-01-5</u>	cis-1,3-Dichloropropene	<u>10</u>	U
<u>108-10-1</u>	4-Methyl-2-Pentanone	<u>10</u>	U
<u>108-88-3</u>	Toluene	<u>10</u>	U
<u>10061-02-6</u>	trans-1,3-Dichloropropene	<u>10</u>	U
<u>79-00-5</u>	1,1,2-Trichloroethane	<u>10</u>	U
<u>127-18-4</u>	Tetrachloroethene	<u>10</u>	U
<u>591-78-6</u>	2-Hexanone	<u>10</u>	U
<u>124-48-1</u>	Dibromochloromethane	<u>10</u>	U
<u>106-93-4</u>	1,2-Dibromoethane	<u>10</u>	U
<u>108-90-7</u>	Chlorobenzene	<u>10</u>	U
<u>100-41-4</u>	Ethylbenzene	<u>10</u>	U
<u>1330-20-7</u>	Xylene (Total)	<u>10</u>	U
<u>100-42-5</u>	Styrene	<u>10</u>	U
<u>75-25-2</u>	Bromoform	<u>10</u>	U
<u>98-82-8</u>	Isopropylbenzene	<u>10</u>	U
<u>79-34-5</u>	1,1,2,2-Tetrachloroethane	<u>10</u>	U
<u>541-73-1</u>	1,3-Dichlorobenzene	<u>10</u>	U
<u>106-46-7</u>	1,4-Dichlorobenzene	<u>10</u>	U
<u>95-50-1</u>	1,2-Dichlorobenzene	<u>10</u>	U
<u>96-12-8</u>	1,2-Dibromo-3-chloropropane	<u>10</u>	U
<u>120-82-1</u>	1,2,4-Trichlorobenzene	<u>10</u>	U

VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK5R

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: MB-29998Sample wt/vol: 5.0 (g/mL) GLab File ID: V5H7574Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/18/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5U

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Lab File ID: V5H7650Lab Sample ID: MB-30068Date Analyzed: 05/22/07Time Analyzed: 1441GC Column: DB-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: V5

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 B29-11DL	F0609-02BDL	V5H7656	1806
02 B39-11DL	F0609-03BDL	V5H7657	1835
03 B14-6DL	F0609-01BDL	V5H7658	1905
04			
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COMMENTS: \_\_\_\_\_  
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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5U

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: MB-30068Sample wt/vol: 4.0 (g/mL) GLab File ID: V5H7650Level: (low/med) MEDDate Received: 05/17/07

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/22/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0Soil Extract Volume: 10000 (uL)Soil Aliquot Volume: 100 (uL)

CAS NO. COMPOUND

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

75-71-8	Dichlorodifluoromethane	1300	U
74-87-3	Chloromethane	1300	U
75-01-4	Vinyl Chloride	1300	U
74-83-9	Bromomethane	1300	U
75-00-3	Chloroethane	1300	U
75-69-4	Trichlorodifluoromethane	1300	U
75-35-4	1,1-Dichloroethene	1300	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
79-20-9	Methyl Acetate	1300	U
75-09-2	Methylene Chloride	1300	U
156-60-5	trans-1,2-Dichloroethene	1300	U
1634-04-4	Methyl tert-Butyl Ether	1300	U
75-34-3	1,1-Dichloroethane	1300	U
156-59-2	cis-1,2-Dichloroethene	1300	U
78-93-3	2-Butanone	1300	U
67-66-3	Chloroform	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
110-82-7	Cyclohexane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
71-43-2	Benzene	1300	U
107-06-2	1,2-Dichloroethane	1300	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5U

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) SOILLab Sample ID: MB-30068Sample wt/vol: 4.0 (g/mL) GLab File ID: V5H7650Level: (low/med) MEDDate Received: 05/17/07

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/22/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0Soil Extract Volume: 10000 (uL)Soil Aliquot Volume: 100 (uL)

CAS NO. COMPOUND

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

79-01-6	Trichloroethene	1300	U
108-87-2	Methylcyclohexane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
75-27-4	Bromodichloromethane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
108-88-3	Toluene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
127-18-4	Tetrachloroethene	1300	U
591-78-6	2-Hexanone	1300	U
124-48-1	Dibromochloromethane	1300	U
106-93-4	1,2-Dibromoethane	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
1330-20-7	Xylene (Total)	1300	U
100-42-5	Styrene	1300	U
75-25-2	Bromoform	1300	U
98-82-8	Isopropylbenzene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
96-12-8	1,2-Dibromo-3-chloropropane	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5U

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: MB-30068

Sample wt/vol: 4.0 (g/mL) G

Lab File ID: V5H7650

Level: (low/med) MED

Date Received: 05/17/07

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/22/07

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

Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

OLM04.3

20072

4A  
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5I

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Lab File ID: V5H7962Lab Sample ID: MB-30305Date Analyzed: 06/02/07Time Analyzed: 2303GC Column: DB-624 ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: V5

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 <u>VHBLK5I</u>	<u>VHBLK5I</u>	<u>V5H7962A</u>	<u>2332</u>
02			
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COMMENTS: \_\_\_\_\_  
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page 1 of 1

FORM IV VOA

OLM04.3

00072

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5I

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) WATERLab Sample ID: MB-30305Sample wt/vol: 5.000 (g/mL) MLLab File ID: V5H7962Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 06/02/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

CAS NO. COMPOUND

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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorodifluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5I

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) WATERLab Sample ID: MB-30305Sample wt/vol: 5.000 (g/mL) MLLab File ID: V5H7962Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 06/02/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

CAS NO. COMPOUND

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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	2	J

EPA SAMPLE NO.

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

VBLK5I

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) WATERLab Sample ID: MB-30305Sample wt/vol: 5.000 (g/mL) MLLab File ID: V5H7962Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 06/02/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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50076

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5I

Lab Name: MITKEM CORPORATION Contract: \_\_\_\_\_Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609Matrix: (soil/water) WATER Lab Sample ID: VHBLK5ISample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H7962ALevel: (low/med) LOW Date Received: 05/12/07% Moisture: not dec. Date Analyzed: 06/02/07GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

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

CAS NO. COMPOUND

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	Trichlorodifluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B  
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5I

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

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

SDG No.: MF0609Matrix: (soil/water) WATERLab Sample ID: VHBLK5ISample wt/vol: 5.000 (g/mL) MLLab File ID: V5H7962ALevel: (low/med) LOWDate Received: 05/12/07

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 06/02/07GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

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

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

CAS NO. COMPOUND

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

79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK5I

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) WATER

Lab Sample ID: VHBLK5I

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

Lab File ID: V5H7962A

Level: (low/med) LOW

Date Received: 05/12/07

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 06/02/07

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

Dilution Factor: 1.0

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4B  
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SELK1R

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_SAS No.: \_\_\_\_\_ SDG No.: MF0609Lab File ID: S1F2952Lab Sample ID: MB-29995Instrument ID: S1Date Extracted: 05/18/07Matrix: (soil/water) SOILDate Analyzed: 06/01/07Level: (low/med) LOWTime Analyzed: 1659

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01 B14-6	F0609-01A	S1F2954	06/01/07
02 B29-11	F0609-02A	S1F2955	06/01/07
03 B39-11	F0609-03A	S1F2956	06/01/07
04 B14-6DL	F0609-01ADL	S1F2957	06/01/07
05 B29-11DL	F0609-02ADL	S1F2958	06/01/07
06 B39-11DL	F0609-03ADL	S1F2959	06/01/07
07			
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COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

page 1 of 1

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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1R

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM

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

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

SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: MB-29995

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

Lab File ID: S1F2952

Level: (low/med) LOW

Date Received: \_\_\_\_\_

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

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

Extraction: (Type) SONC

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

CAS NO. COMPOUND

<u>100-52-7</u>	Benzaldehyde	<u>330</u>	<u>U</u>
<u>108-95-2</u>	Phenol	<u>330</u>	<u>U</u>
<u>111-44-4</u>	bis (2-Chloroethyl) Ether	<u>330</u>	<u>U</u>
<u>95-57-8</u>	2-Chlorophenol	<u>330</u>	<u>U</u>
<u>95-48-7</u>	2-Methylphenol	<u>330</u>	<u>U</u>
<u>108-60-1</u>	2, 2'-oxybis(1-Chloropropane)	<u>330</u>	<u>U</u>
<u>98-86-2</u>	Acetophenone	<u>330</u>	<u>U</u>
<u>106-44-5</u>	4-Methylphenol	<u>330</u>	<u>U</u>
<u>621-64-7</u>	N-Nitroso-di-n-propylamine	<u>330</u>	<u>U</u>
<u>67-72-1</u>	Hexachloroethane	<u>330</u>	<u>U</u>
<u>98-95-3</u>	Nitrobenzene	<u>330</u>	<u>U</u>
<u>78-59-1</u>	Isophorone	<u>330</u>	<u>U</u>
<u>88-75-5</u>	2-Nitrophenol	<u>330</u>	<u>U</u>
<u>105-67-9</u>	2,4-Dimethylphenol	<u>330</u>	<u>U</u>
<u>111-91-1</u>	bis (2-Chloroethoxy)methane	<u>330</u>	<u>U</u>
<u>120-83-2</u>	2,4-Dichlorophenol	<u>330</u>	<u>U</u>
<u>91-20-3</u>	Naphthalene	<u>330</u>	<u>U</u>
<u>106-47-8</u>	4-Chloroaniline	<u>330</u>	<u>U</u>
<u>87-68-3</u>	Hexachlorobutadiene	<u>330</u>	<u>U</u>
<u>105-60-2</u>	Caprolactam	<u>330</u>	<u>U</u>
<u>59-50-7</u>	4-Chloro-3-Methylphenol	<u>330</u>	<u>U</u>
<u>91-57-6</u>	2-Methylnaphthalene	<u>330</u>	<u>U</u>
<u>77-47-4</u>	Hexachlorocyclopentadiene	<u>330</u>	<u>U</u>
<u>88-06-2</u>	2,4,6-Trichlorophenol	<u>330</u>	<u>U</u>
<u>95-95-4</u>	2,4,5-Trichlorophenol	<u>830</u>	<u>U</u>
<u>92-52-4</u>	1,1'-Biphenyl	<u>330</u>	<u>U</u>
<u>91-58-7</u>	2-Chloronaphthalene	<u>330</u>	<u>U</u>
<u>88-74-4</u>	2-Nitroaniline	<u>830</u>	<u>U</u>
<u>131-11-3</u>	Dimethylphthalate	<u>330</u>	<u>U</u>
<u>606-20-2</u>	2,6-Dinitrotoluene	<u>330</u>	<u>U</u>
<u>208-96-8</u>	Acenaphthylene	<u>330</u>	<u>U</u>
<u>99-09-2</u>	3-Nitroaniline	<u>830</u>	<u>U</u>
<u>83-32-9</u>	Acenaphthene	<u>330</u>	<u>U</u>

1D  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1R

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL Lab Sample ID: MB-29995

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S1F2952

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

% Moisture: 0 Decanted: (Y/N) N Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL) Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_ Extraction: (Type) SONC

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

CAS NO. COMPOUND

51-28-5	2,4-Dinitrophenol	830	U
100-02-7	4-Nitrophenol	830	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
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 (1)	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	120	J
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1G  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK1R

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: MF0609

Matrix: (soil/water) SOIL

Lab Sample ID: MB-29995

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

Lab File ID: S1F2952

Level: (low/med) LOW

Date Received: \_\_\_\_\_

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

Date Extracted: 05/18/07

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 06/01/07

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

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

Extraction: (Type) SONC

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	19.67	70	J
2.				
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## USEPA - CLP

3-IN

BLANKS

Lab Name: Mitkem Corporation

Contract: 2660-02

Lab Code: MITKEM Case No.:

NRAS No.:

SDG No.: MF0609

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID:

MB-30048

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

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		C	M
		C	1	C	2	C	3	C				
Mercury	0.015	J	-0.062	J	-0.070	J	-0.071	J	-0.038	J	CV	

USEPA - CLP

3-IN

## BLANKS

Lab Name: Mitkem Corporation Contract: 2660-02  
 Lab Code: MITKEM Case No.: NRAS No.: SDG No.: MF0609  
 Preparation Blank Matrix (soil/water): SOIL Method Blank ID:  
 Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG MB-30257

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank	
		C	1	C	2	C	3	C	C	M
Potassium	3.866	J	6.274	J	-11.452	J	5.343	J	4.075	J P
Sodium	11.547	J	11.348	J	4.524	J	16.991	J	10.017	J P

## USEPA - CLP

3-IN

## BLANKS

Lab Name: Mitkem Corporation

Contract: 2660-02

Lab Code: MITKEM

Case No.:

NRAS No.:

SDG No.: MF0609

Preparation Blank Matrix (soil/water): SOIL

Method Blank ID:  
MB-30257

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

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	1.897	J	200.000	U	-2.852	J	7.382	J	2.875	J	P
Antimony	1.483	J	1.383	J	2.259	J	0.604	J	0.356	J	P
Arsenic	2.735	J	3.001	J	1.058	J	3.209	J	-0.075	B	P
Barium	200.000	U	200.000	U	200.000	U	200.000	U	0.148	J	P
Beryllium	0.015	J	0.015	J	0.012	J	-0.006	J	0.500	U	P
Cadmium	5.000	U	0.069	J	0.048	J	5.000	U	0.500	U	P
Calcium	-62.007	J	-72.006	J	-55.868	J	-105.603	J	500.000	U	P
Chromium	0.052	J	-0.048	J	-0.123	J	-0.132	J	0.075	J	P
Cobalt	0.115	J	50.000	U	50.000	U	0.101	J	-0.015	B	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	0.843	J	P
Iron	-2.883	J	-4.562	J	-4.447	J	-4.818	J	5.777	J	P
Lead	0.148	J	-1.048	J	-1.646	J	-0.883	J	0.333	J	P
Magnesium	2.934	J	-3.140	J	5000.000	U	5000.000	U	1.895	B	P
Manganese	15.000	U	15.000	U	15.000	U	15.000	U	0.993	J	P
Nickel	0.205	J	0.303	J	0.123	J	0.134	J	0.063	B	P
Selenium	-1.762	J	-1.463	J	-2.424	J	-1.011	J	-0.286	B	P
Silver	4.096	J	2.847	J	0.428	J	0.269	J	1.005		P
Thallium	2.880	J	2.767	J	1.461	J	2.940	J	0.122	J	P
Vanadium	-0.020	J	50.000	U	0.231	J	0.287	J	5.000	U	P
Zinc	60.000	U	60.000	U	60.000	U	60.000	U	2.509	J	P

USEPA - CLP

3-IN

## BLANKS

Lab Name: Mitkem Corporation

Contract: 2660-02

Lab Code: MITKEM

Case No.:

NRAS No.:

SDG No.: MF0609

Preparation Blank Matrix (soil/water):

Method Blank ID:

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

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank	
		C	1	C	2	C	3	C	C	M
Antimony	-1.549	J	-2.004	J	-0.953	J				

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION  
 Lab Code: MITKEM Case No.: \_\_\_\_\_  
 EPA Sample No. (VSTD050##): VSTD0505R  
 Lab File ID (Standard): VSH7573  
 Instrument ID: V5  
 GC Column: DB-624 ID: 0.25 (mm)

Contract: \_\_\_\_\_  
 SAS No.: \_\_\_\_\_ SDG No.: MF0609  
 Date Analyzed: 05/18/07  
 Time Analyzed: 1036  
 Heated Purge: (Y/N) Y

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
12 HOUR STD	25473	5.03	131018	6.03	105792	9.12
UPPER LIMIT	50946	5.53	262036	6.53	211584	9.62
LOWER LIMIT	12737	4.53	65509	5.53	52896	8.62
EPA SAMPLE						
01 VBLK5R	32138	5.04	162902	6.03	132255	9.13
02 V5RLCS	24622	5.04	126711	6.03	106135	9.13
03 B14-6	27684	5.04	116406	6.04	74472	9.15
04 B29-11	33799	5.04	176941	6.03	138573	9.13
05 B39-11	35750	5.04	174781	6.04	132329	9.14
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IS1 (BCM) = Bromochloromethane  
 IS2 (DFB) = 1,4-Difluorobenzene  
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION  
 Lab Code: MITKEM Case No.: \_\_\_\_\_  
 EPA Sample No. (VSTD050##): VSTD0505U  
 Lab File ID (Standard): V5H7641  
 Instrument ID: V5  
 GC Column: DB-624 ID: 0.25 (mm)

Contract: \_\_\_\_\_  
 SAS No.: \_\_\_\_\_ SDG No.: MF0609  
 Date Analyzed: 05/22/07  
 Time Analyzed: 0930  
 Heated Purge: (Y/N) N

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
<u>12 HOUR STD</u>	<u>24028</u>	<u>5.03</u>	<u>122705</u>	<u>6.03</u>	<u>105992</u>	<u>9.12</u>
<u>UPPER LIMIT</u>	<u>48056</u>	<u>5.53</u>	<u>245410</u>	<u>6.53</u>	<u>211984</u>	<u>9.62</u>
<u>LOWER LIMIT</u>	<u>12014</u>	<u>4.53</u>	<u>61353</u>	<u>5.53</u>	<u>52996</u>	<u>8.62</u>
<u>EPA SAMPLE</u>						
01 VBLKSU	24884	5.04	105892	6.03	77073	9.12
02 B29-11DL	34678	5.04	186117	6.03	149884	9.12
03 B39-11DL	58870*	5.04	297277*	6.03	236377*	9.13
04 B14-6DL	59082*	5.04	311257*	6.03	245437*	9.13
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IS1 (BCM) = Bromochloromethane  
 IS2 (DFB) = 1,4-Difluorobenzene  
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION  
 Lab Code: MITKEM Case No.: \_\_\_\_\_  
 EPA Sample No. (VSTD050##): VSTD0505I  
 Lab File ID (Standard): V5H7961A  
 Instrument ID: V5  
 GC Column: DB-624 ID: 0.25 (mm)

Contract: \_\_\_\_\_  
 SAS No.: \_\_\_\_\_ SDG No.: MF0609  
 Date Analyzed: 06/02/07  
 Time Analyzed: 2234  
 Heated Purge: (Y/N) N

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
12 HOUR STD	32617	4.93	164590	5.93	134970	9.01
UPPER LIMIT	65234	5.43	329180	6.43	269940	9.51
LOWER LIMIT	16309	4.43	82295	5.43	67485	8.51
EPA SAMPLE						
01 VBLK5I	42102	4.93	211723	5.93	162564	9.01
02 VHBLK5I	40979	4.93	201270	5.92	151063	9.01
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IS1 (BCM) = Bromochloromethane  
 IS2 (DFB) = 1,4-Difluorobenzene  
 IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits

8B  
SEMOVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

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

Lab Code: MITKEM Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: MF0609

EPA Sample No. (SSTD050##): SSTD0501H

Date Analyzed: 06/01/07

Lab File ID (Standard): S1F2951

Time Analyzed: 1610

Instrument ID: S1

GC Column: DB-5MS ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
<u>12 HOUR STD</u>	<u>324043</u>	<u>8.42</u>	<u>1172524</u>	<u>10.44</u>	<u>642904</u>	<u>13.35</u>
<u>UPPER LIMIT</u>	<u>648086</u>	<u>8.92</u>	<u>2345048</u>	<u>10.94</u>	<u>1285808</u>	<u>13.85</u>
<u>LOWER LIMIT</u>	<u>162022</u>	<u>7.92</u>	<u>586262</u>	<u>9.94</u>	<u>321452</u>	<u>12.85</u>
<u>EPA SAMPLE NO.</u>						
01 SBLK1R	449984	8.42	1651152	10.44	864336	13.34
02 S1RLCS	487200	8.42	1767402	10.44	984176	13.34
03 B14-6	386210	8.47	1432376	10.52	842607	13.35
04 B29-11	421408	8.42	1470763	10.45	860745	13.34
05 B39-11	427429	8.42	1370364	10.45	810822	13.34
06 B14-6DL	472254	8.42	1516127	10.44	893197	13.33
07 B29-11DL	482917	8.42	1578562	10.44	910412	13.34
08 B39-11DL	480117	8.42	1659992	10.44	929084	13.34
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IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

\* Values outside of QC limits

8C  
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION  
 Lab Code: MITKEM Case No.: \_\_\_\_\_  
 EPA Sample No. (SSTD050##): SSTD0501H  
 Lab File ID (Standard): S1F2951  
 Instrument ID: S1

Contract: \_\_\_\_\_  
 SAS No.: \_\_\_\_\_ SDG No.: MF0609  
 Date Analyzed: 06/01/07  
 Time Analyzed: 1610  
 GC Column: DB-5MS ID: 0.25 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1003063	15.82	1105663	20.24	868149	23.29
UPPER LIMIT	2006126	16.32	2211326	20.74	1736298	23.79
LOWER LIMIT	501532	15.32	552832	19.74	434075	22.79
EPA SAMPLE NO.						
01 SBLK1R	1274897	15.83	1396594	20.24	1043945	23.29
02 S1RLCS	1459348	15.83	1556927	20.24	1186463	23.29
03 B14-6	1095851	15.83	1254463	20.25	900426	23.30
04 B29-11	1257458	15.82	1293970	20.24	916766	23.29
05 B39-11	1238043	15.82	1350932	20.24	952853	23.28
06 B14-6DL	1288835	15.82	1342202	20.24	956743	23.27
07 B29-11DL	1330483	15.82	1494957	20.24	1065268	23.28
08 B39-11DL	1344258	15.82	1416431	20.23	1010366	23.28
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IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT  
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits