Adirondack Regional Business Incubator Site
36 Elm Street
City of Glens Falls, New York

Environmental Restoration Project

Appendix A - O

Site Investigation Report

New York State Assistance Contract No. C303163
ERP Project No. E557019

May 2008

Prepared For:

Greater Glens Falls Local Development Corporation
42 Ridge Street
Glens Falls, New York 12801

Attn: Mr. Thomas Donohue
Tel: (518) 761-3883

Barton & Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects

2 Corporate Plaza
264 Washington Avenue Extension
Albany, New York 12203

Adirondack Regional Business Incubator Site
36 Elm Street
City of Glens Falls

Environmental Restoration Project

Appendix A – O

Site Investigation Report
New York State Assistance Contract No. C303163
ERP Project No. E557019

May 2008

Prepared For:

Greater Glens Falls Local Development Corporation
42 Ridge Street
Glens Falls, New York 12801

Attn: Mr. Thomas Donohue
Tel: (518) 761-3883

Prepared By:

Barton & Loguidice, P.C.
Engineers, Environmental Scientists, Planners, Landscape Architects
2 Corporate Plaza
264 Washington Avenue Extension
Albany, New York 12203

Attn: Mr. Stephen Le Fevre, P.G.
Tel: (518) 218-1801

Appendix O

Data Validation Reports

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

January 4, 2008

Mr. Stephen B. Le Fevre, P.G., C.P.G.
Barton and Loguidice, P.C.
2 Corporate Plaza
264 Washington Avenue Extension
Albany, New York 12203

Re: Data Validation Report
City of Glens Falls Environmental Restoration Project
May 2007 Soil, Ground Water, and Soil Vapor Sampling Events

Dear Mr. Le Fevre:

The data validation report and QA/QC reviews for the May 2007 soil, ground water, and soil vapor sampling events are enclosed with this letter. The data were acceptable for Mitkem job numbers F0643, F0735, and F0912. There were detected data that were flagged as unusable (R) in the data packs F0643 and F0735. The basis for rejecting the data is outlined in the QA/QC reviews. The data is rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of data validation acronyms and qualifiers is attached to assist you in interpreting the data validation reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Barton and Loguidice, P.C.

Sincerely,
Alpha Geoscience

Donald Anné

Donald Anné
Senior Chemist

DCA:dca
enclosures

Z:\projects\2007\07621 - 07640\07623-GGFLDC\glens falls-1.ltr.wpd

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.

J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Package Assessment and Appraisal Report
For Mitkem Corporation, SDG No: MF 0643

Report 1
Glens Falls Environmental Restoration Project
4 Soil Samples
Collected May 18, 2007

Prepared by: Donald Anné
January 3, 2008

The data packages contain the documentation required by USEPA SW-846. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results volatile, semi-volatile, metal, and polychlorinated biphenyl (PCB) analyses for 4 soil samples.

The overall performances of the analyses are acceptable. Mitkem Corporation did fulfill the requirements of the analytical methods.

The data are mostly acceptable and uncompromised with some issues that are identified in detail in the accompanying data validation reviews. Data that were rejected were limited to the volatile results for 2 compounds in one soil sample. All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Z:\PROJECTS\2007\07621 - 07640\07623-GGFLDC\F0643.SUM.DOC

679 Plank Road ▪ Clifton Park, New York 12065 ▪ (518) 348-6995 ▪ FAX (518) 348-6966
www.alphageoscience.com

Glens Falls Environmental Restoration Project

Report 1 Mitkem Corp. Work Order No. F0643

							Analyses							
							Volatiles 8260B 12/96		Semi-VOCs 8270C 12/96		Metals 6010B-7471A 12/96-9/94		PCBs 8082 12/96	
Location ID	Sample Number	Lab ID No.	Date Sampled	Date Submitted	Date Received	Matrix	Analyzed (Y/N)	Compliant (Y/N)	Analyzed (Y/N)	Compliant (Y/N)	Analyzed (Y/N)	Compliant (Y/N)	Analyzed (Y/N)	Compliant (Y/N)
B&L-2 (4-8')	B&L-2 4-8	F0643-05	5/18/07	5/18/07	5/19/07	soil	Y	Y	Y	Y	Y	Y	Y	Y
B&L-3 (4-8')	B&L-3 4-8	F0643-06	5/18/07	5/18/07	5/19/07	soil	Y	Y	Y	Y	Y	Y	Y	Y
B&L-5 (4-8')	B&L-5 4-8	F0643-08	5/18/07	5/18/07	5/19/07	soil	Y	Y	Y	Y	Y	Y	Y	Y
B&L-6 (4-8')	B&L-6 4-8	F0643-09	5/18/07	5/18/07	5/19/07	soil	Y	Y	Y	Y	Y	Y	Y	Y

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Volatiles Data for
Mitkem Corporation, SDG No: MF0643

4 Soil Samples
Collected May 18, 2007

Prepared by: Donald Anné
January 4, 2008

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRF and %RSD criteria were met per method 8260C.

The average RRFs for acetone (0.014) and 2-butanone (0.031) were below the allowable minimum (0.050) for V5 on 05-30-07. Positive results for acetone and 2-butanone should be considered estimated (J) and negative results unusable (R) in associated samples.

The %RSD for acetone (31.1%) was above the allowable maximum (30%) for V5 on 05-30-07. Positive results for acetone should be considered estimated (J) in associated samples.

Continuing Calibration: The RRF50 and %D criteria were met per method 8260C.

The RRF50s for acetone (0.080) and 2-butanone (.035) were below the allowable minimum (0.050) on 05-31-07 (V5H7871). Positive results for acetone and 2-butanone should be considered estimated (J) and negative results unusable (R) in associated samples.

The %Ds for acetone (42.8%), methylene chloride (37.4%), and naphthalene (33.4%) were above the allowable maximum (25%) on 05-31-07 (V5H7871). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Method blank VBLK5D contained traces of methylene chloride (1 ug/kg) and naphthalene (3 ug/kg). Results for methylene chloride that are less than ten times the highest blank should be not detected (U) in associated samples. Results for naphthalene that are less than five times the highest blank should be considered not detected (U) in associated samples.

679 Plank Road ▪ Clifton Park, New York 12065 ▪ (518) 348-6995 ▪ FAX (518) 348-6966
www.alphageoscience.com

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for ground water samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum, but 49 of 136 percent recoveries were above QC limits for MS/MSD sample B&L-5 4-8. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for LCS V1ULCS.

The %R for acetone was above QC limits for LCS V5DLCS. Positive results for acetone should be considered estimated (J) in associated samples.

Compound ID: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-2 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-05B

Sample wt/vol: 5.3 (g/mL) G Lab File ID: V1I5381

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 8 Date Analyzed: 05/23/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-2 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-05B

Sample wt/vol: 5.3 (g/mL) G Lab File ID: V1I5381

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 8 Date Analyzed: 05/23/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B&L-2 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-05B

Sample wt/vol: 5.3 (g/mL) G Lab File ID: V1I5381

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 8 Date Analyzed: 05/23/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-3 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-06B

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V1I5382

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 5 Date Analyzed: 05/23/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

0023

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-3 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-06B

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V1I5382

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 5 Date Analyzed: 05/23/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B&L-3 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-06B

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V1I5382

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 5 Date Analyzed: 05/23/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-5 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-08B

Sample wt/vol: 5.4 (g/mL) G Lab File ID: V1I5386

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 6 Date Analyzed: 05/23/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-5 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-08B

Sample wt/vol: 5.4 (g/mL) G Lab File ID: V1I5386

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 6 Date Analyzed: 05/23/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B&L-5 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-08B

Sample wt/vol: 5.4 (g/mL) G Lab File ID: V1I5386

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 6 Date Analyzed: 05/23/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-6 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-09B

Sample wt/vol: 6.6 (g/mL) G Lab File ID: V5H7887

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 6 Date Analyzed: 05/31/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	4	U
74-87-3	Chloromethane	4	U
75-01-4	Vinyl Chloride	4	U
74-83-9	Bromomethane	4	U
75-00-3	Chloroethane	4	U
75-69-4	Trichlorofluoromethane	4	U
75-35-4	1,1-Dichloroethene	4	U
67-64-1	Acetone	4	U R
74-88-4	Iodomethane	4	U
75-15-0	Carbon Disulfide	4	U
75-09-2	Methylene Chloride	4	U
156-60-5	trans-1,2-Dichloroethene	4	U
1634-04-4	Methyl tert-butyl ether	4	U
75-34-3	1,1-Dichloroethane	4	U
108-05-4	Vinyl acetate	4	U
78-93-3	2-Butanone	4	U R
156-59-2	cis-1,2-Dichloroethene	4	U
590-20-7	2,2-Dichloropropane	4	U
74-97-5	Bromochloromethane	4	U
67-66-3	Chloroform	4	U
71-55-6	1,1,1-Trichloroethane	4	U
563-58-6	1,1-Dichloropropene	4	U
56-23-5	Carbon Tetrachloride	4	U
107-06-2	1,2-Dichloroethane	4	U
71-43-2	Benzene	4	U
79-01-6	Trichloroethene	4	U
78-87-5	1,2-Dichloropropane	4	U
74-95-3	Dibromomethane	4	U
75-27-4	Bromodichloromethane	4	U
10061-01-5	cis-1,3-Dichloropropene	4	U
108-10-1	4-Methyl-2-pentanone	4	U
108-88-3	Toluene	4	U
10061-02-6	trans-1,3-Dichloropropene	4	U
79-00-5	1,1,2-Trichloroethane	4	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-6 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-09B

Sample wt/vol: 6.6 (g/mL) G Lab File ID: V5H7887

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 6 Date Analyzed: 05/31/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	4	U
127-18-4	Tetrachloroethene	4	U
591-78-6	2-Hexanone	4	U
124-48-1	Dibromochloromethane	4	U
106-93-4	1,2-Dibromoethane	4	U
108-90-7	Chlorobenzene	4	U
630-20-6	1,1,1,2-Tetrachloroethane	4	U
100-41-4	Ethylbenzene	4	U
----------	m,p-Xylene	4	U
95-47-6	o-Xylene	4	U
1330-20-7	Xylene (Total)	4	U
100-42-5	Styrene	4	U
75-25-2	Bromoform	4	U
98-82-8	Isopropylbenzene	4	U
79-34-5	1,1,2,2-Tetrachloroethane	4	U
108-86-1	Bromobenzene	4	U
96-18-4	1,2,3-Trichloropropane	4	U
103-65-1	n-Propylbenzene	4	U
95-49-8	2-Chlorotoluene	4	U
108-67-8	1,3,5-Trimethylbenzene	4	U
106-43-4	4-Chlorotoluene	4	U
98-06-6	tert-Butylbenzene	4	U
95-63-6	1,2,4-Trimethylbenzene	4	U
135-98-8	sec-Butylbenzene	4	U
99-87-6	4-Isopropyltoluene	4	U
541-73-1	1,3-Dichlorobenzene	4	U
106-46-7	1,4-Dichlorobenzene	4	U
104-51-8	n-Butylbenzene	4	U
95-50-1	1,2-Dichlorobenzene	4	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	4	U
87-68-3	Hexachlorobutadiene	4	U
91-20-3	Naphthalene	6	B U
87-61-6	1,2,3-Trichlorobenzene	4	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B&L-6 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-09B

Sample wt/vol: 6.6 (g/mL) G Lab File ID: V5H7887

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: not dec. 6 Date Analyzed: 05/31/07

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

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	91-57-6	NAPHTHALENE, 2-METHYL-	15.85	4	NJ
2.	90-12-0	NAPHTHALENE, 1-METHYL-	16.07	6	NJ
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Semi-Volatile Data
for Mitkem Corporation, Job No. MF0643

4 Soil Samples
Collected May 18, 2007

Prepared by: Donald Anné
January 4, 2008

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRF and %RSD criteria were met per method 8270D.

The average RRFs for target compounds were above the allowable minimum (0.050), as required.

The %RSD for 2,4-dinitrophenol (34.5%) was above the allowable maximum (30%) for S3 on 05-17-07. Positive results for 2,4-dinitrophenol should be considered estimated (J) in associated samples.

Continuing Calibration: The RRF50 and %D criteria were met per method 8270D.

The RRF50s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for 2-nitrophenol (27.6%), 2,4-dinitrotoluene (30.7%), and pentachlorophenol (44.5%) were above the allowable maximum (25%) on 06-06-07 (S3E3571). The %Ds for n-nitroso-di-n-propylamine (26.3%), 2,4-dinitrophenol (41.2%), 2,4-dinitrotoluene (35.6%), 4,6-dinitro-2-methylphenol (26.9%), pentachlorophenol (30.6%), and butylbenzylphthalate (26.1%) were above the allowable maximum (25%) on 06-07-07 (S3E3601). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Method blank SBLK3S contained a trace of bis(2-ethylhexyl)phthalate (67 ug/kg). Results for bis(2-ethylhexyl)phthalate that are less than ten times the highest blank should be not detected (U) in associated samples.

679 Plank Road ▪ Clifton Park, New York 12065 ▪ (518) 348-6995 ▪ FAX (518) 348-6966
www.alphageoscience.com

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of three base/neutral surrogate recoveries for sample B&L-6 4-8 was below control limits, but was not below 10%. No action is taken on one surrogate recovery per fraction outside control limits, provided the recovery is not less than 10%.

All surrogates for sample B&L-6 4-8DL were diluted beyond detection limits. No action is taken on surrogates diluted beyond detection limits.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum, but 1 of 124 percent recoveries were outside QC limits for MS/MSD sample B&L-5 4-8. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recovery for 4-nitroaniline was below QC limits for LCS S3SLCS. All results for 4-nitraniline should be considered estimated (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

The results for 15 compounds in sample B&L-6 4-8 were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the results that are flagged as 'E' in the undiluted sample should be considered estimated (J). The use of the diluted result for these compounds is recommended for samples B&L-6 4-8DL. It is recommended that the undiluted results for B&L-6 4-8 be used for all other compounds.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-2 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-05A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3E3590

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 8 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/06/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	710	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	710	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	710	U
83-32-9	Acenaphthene	350	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-2 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-05A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3E3590

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 8 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/06/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	710	U
100-02-7	4-Nitrophenol	710	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	710	U J
534-52-1	4,6-Dinitro-2-methylphenol	710	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	710	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	160	JB U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B&L-2 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-05A

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3E3590

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 8 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-3 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-06A

Sample wt/vol: 30.7 (g/mL) G Lab File ID: S3E3591

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 5 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	690	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	690	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	690	U
83-32-9	Acenaphthene	340	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-3 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-06A

Sample wt/vol: 30.7 (g/mL) G Lab File ID: S3E3591

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 5 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/06/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	690	U
100-02-7	4-Nitrophenol	690	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	690	U J
534-52-1	4,6-Dinitro-2-methylphenol	690	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	690	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	260	JB U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B&L-3 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-06A

Sample wt/vol: 30.7 (g/mL) G Lab File ID: S3E3591

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 5 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-5 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-08A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3E3593

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/06/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	710	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	710	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	710	U
83-32-9	Acenaphthene	350	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-5 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-08A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3E3593

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	710	U
100-02-7	4-Nitrophenol	710	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	710	U J
534-52-1	4,6-Dinitro-2-methylphenol	710	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	710	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	140	JB V
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B&L-5 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-08A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3E3593

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/06/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-6 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-09A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3E3594

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 3000(uL) Date Analyzed: 06/06/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)Ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1000	U
106-44-5	4-Methylphenol	300	J
621-64-7	N-Nitroso-di-n-propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	160	J
120-83-2	2,4-Dichlorophenol	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	30000	E J
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
111-91-1	bis(2-Chloroethoxy)methane	1000	U
59-50-7	4-Chloro-3-Methylphenol	1000	U
91-57-6	2-Methylnaphthalene	15000	
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethylphthalate	1000	U
208-96-8	Acenaphthylene	360	J
606-20-2	2,6-Dinitrotoluene	1000	U
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	21000	E J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-6 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-09A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3E3594

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 3000(uL) Date Analyzed: 06/06/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	26000	E J
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
86-73-7	Fluorene	29000	E J
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	53000	E
120-12-7	Anthracene	30000	E
86-74-8	Carbazole	23000	E
84-74-2	Di-n-butylphthalate	1000	U
206-44-0	Fluoranthene	46000	E
129-00-0	Pyrene	34000	E
85-68-7	Butylbenzylphthalate	1000	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
56-55-3	Benzo(a)anthracene	32000	E
218-01-9	Chrysene	28000	E
117-81-7	bis(2-Ethylhexyl)phthalate	210	JB
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo(b)fluoranthene	36000	E
207-08-9	Benzo(k)fluoranthene	16000	
50-32-8	Benzo(a)pyrene	30000	E
193-39-5	Indeno(1,2,3-cd)pyrene	20000	E
53-70-3	Dibenzo(a,h)anthracene	7300	
191-24-2	Benzo(g,h,i)perylene	20000	E

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B&L-6 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-09A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3E3594

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 3000 (uL) Date Analyzed: 06/06/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

Number TICs found: 20

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	268-77-9	NAPHTHO[2,3-B]THIOPHENE	12.25	11000	NJ
2.	779-02-2	ANTHRACENE, 9-METHYL-	12.83	1100	NJ
3.	2531-84-2	PHENANTHRENE, 2-METHYL-	12.86	1400	NJ
4.	832-71-3	PHENANTHRENE, 3-METHYL-	12.90	620	NJ
5.		UNKNOWN	12.94	2400	J
6.	612-94-2	NAPHTHALENE, 2-PHENYL-	13.09	740	NJ
7.		UNKNOWN	13.68	3300	J
8.	2381-21-7	PYRENE, 1-METHYL-	13.86	830	NJ
9.	243-17-4	11H-BENZO[B]FLUORENE	13.97	1500	NJ
10.	243-17-4	11H-BENZO[B]FLUORENE	14.03	1400	NJ
11.	2381-21-7	PYRENE, 1-METHYL-	14.06	980	NJ
12.	239-35-0	BENZO[B]NAPHTHO[2,1-D]THIOPH	14.51	870	NJ
13.	2096-78-8	DIPHENYLVINYLPHOSPHINE OXIDE	14.53	940	NJ
14.	27208-37-3	CYCLOPENTA[CD]PYRENE	14.56	910	NJ
15.	25732-74-5	CYCLOPENTA(CD)PYRENE, 3,4-DI	14.83	670	NJ
16.		UNKNOWN	14.93	850	J
17.	1705-84-6	TRIPHENYLENE, 2-METHYL-	15.08	1200	NJ
18.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	15.89	11000	NJ
19.	192-97-2	BENZO[E]PYRENE	16.11	31000	NJ
20.	198-55-0	PERYLENE	16.27	18000	NJ
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-6 4-8DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-09ADL

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3E3619

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 3000(uL) Date Analyzed: 06/07/07

Injection Volume: 1.0(uL) Dilution Factor: 20.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	21000	U
111-44-4	bis(2-Chloroethyl)Ether	21000	U
95-57-8	2-Chlorophenol	21000	U
541-73-1	1,3-Dichlorobenzene	21000	U
106-46-7	1,4-Dichlorobenzene	21000	U
95-50-1	1,2-Dichlorobenzene	21000	U
95-48-7	2-Methylphenol	21000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	21000	U
106-44-5	4-Methylphenol	21000	U
621-64-7	N-Nitroso-di-n-propylamine	21000	U
67-72-1	Hexachloroethane	21000	U
98-95-3	Nitrobenzene	21000	U
78-59-1	Isophorone	21000	U
88-75-5	2-Nitrophenol	21000	U
105-67-9	2,4-Dimethylphenol	21000	U
120-83-2	2,4-Dichlorophenol	21000	U
120-82-1	1,2,4-Trichlorobenzene	21000	U
91-20-3	Naphthalene	24000	D
106-47-8	4-Chloroaniline	21000	U
87-68-3	Hexachlorobutadiene	21000	U
111-91-1	bis(2-Chloroethoxy)methane	21000	U
59-50-7	4-Chloro-3-Methylphenol	21000	U
91-57-6	2-Methylnaphthalene	11000	DJ
77-47-4	Hexachlorocyclopentadiene	21000	U
88-06-2	2,4,6-Trichlorophenol	21000	U
95-95-4	2,4,5-Trichlorophenol	42000	U
91-58-7	2-Chloronaphthalene	21000	U
88-74-4	2-Nitroaniline	42000	U
131-11-3	Dimethylphthalate	21000	U
208-96-8	Acenaphthylene	21000	U
606-20-2	2,6-Dinitrotoluene	21000	U
99-09-2	3-Nitroaniline	42000	U
83-32-9	Acenaphthene	16000	DJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-6 4-8DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-09ADL

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3E3619

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 3000 (uL) Date Analyzed: 06/07/07

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	42000	U
100-02-7	4-Nitrophenol	42000	U
132-64-9	Dibenzofuran	24000	D
121-14-2	2,4-Dinitrotoluene	21000	U
84-66-2	Diethylphthalate	21000	U
7005-72-3	4-Chlorophenyl-phenylether	21000	U
86-73-7	Fluorene	28000	D
100-01-6	4-Nitroaniline	42000	U J
534-52-1	4,6-Dinitro-2-methylphenol	42000	U
86-30-6	N-Nitrosodiphenylamine (1)	21000	U
101-55-3	4-Bromophenyl-phenylether	21000	U
118-74-1	Hexachlorobenzene	21000	U
87-86-5	Pentachlorophenol	42000	U
85-01-8	Phenanthrene	190000	D
120-12-7	Anthracene	48000	D
86-74-8	Carbazole	21000	D
84-74-2	Di-n-butylphthalate	21000	U
206-44-0	Fluoranthene	160000	D
129-00-0	Pyrene	87000	D
85-68-7	Butylbenzylphthalate	21000	U
91-94-1	3,3'-Dichlorobenzidine	21000	U
56-55-3	Benzo(a)anthracene	51000	D
218-01-9	Chrysene	43000	D
117-81-7	bis(2-Ethylhexyl)phthalate	21000	U
117-84-0	Di-n-octylphthalate	21000	U
205-99-2	Benzo(b)fluoranthene	43000	D
207-08-9	Benzo(k)fluoranthene	15000	DJ
50-32-8	Benzo(a)pyrene	32000	D
193-39-5	Indeno(1,2,3-cd)pyrene	15000	DJ
53-70-3	Dibenzo(a,h)anthracene	5100	DJ
191-24-2	Benzo(g,h,i)perylene	16000	DJ

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

B&L-6 4-8DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-09ADL

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3E3619

Level: (low/med) LOW Date Received: 05/19/07

% Moisture: 6 decanted: (Y/N) N Date Extracted: 05/21/07

Concentrated Extract Volume: 3000(uL) Date Analyzed: 06/07/07

Injection Volume: 1.0(uL) Dilution Factor: 20.0

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

Number TICs found: 8

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	132-65-0	DIBENZOTHIOPHENE	12.23	10000	NJD
2.	832-69-9	PHENANTHRENE, 1-METHYL-	12.80	13000	NJD
3.	2531-84-2	PHENANTHRENE, 2-METHYL-	12.82	18000	NJD
4.		UNKNOWN	12.90	28000	JD
5.	239-30-5	BENZO[B]NAPHTHO[1,2-D]FURAN	13.63	10000	NJD
6.	2381-21-7	PYRENE, 1-METHYL-	13.93	11000	NJD
7.	205-99-2	BENZ[E]ACEPHENANTHRYLENE	15.84	9000	NJD
8.	192-97-2	BENZO[E]PYRENE	16.05	25000	NJD
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of PCB Data for
Mitkem Corporation, Job No. MF0643

4 Soil Samples
Collected May 18, 2007

Prepared by: Donald Anné
January 4, 2008

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: One of two surrogate recoveries for sample B&L-6 4-8 was above QC limits. No action is taken on one surrogate recovery on one column above QC limits.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within QC limits for MS/MSD sample B&L-5 4-8.

Laboratory Control Sample: The percent recoveries were within QC limits for LCS A2ALCS.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%), as required.

Continuing Calibration: The average %Ds for target aroclors were below the allowable maximum (15%), as required.

PCB Analytical Sequence: The retention times for TCX and DCB were within control limits for environmental samples.

PCB Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of all 4 soil samples reported target aroclors as not detected.

Z:\projects\2007\07621 - 07640\07623-GGFLDC\mf0643.pcb.wpd

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B&L-2 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-05A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E2G3230F

% Moisture: 8 decanted: (Y/N) N Date Received: 05/19/07

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/30/07

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/08/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B&L-3 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-06A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E2G3231F

% Moisture: 5 decanted: (Y/N) N Date Received: 05/19/07

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/30/07

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/08/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	34	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B&L-5 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-08A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E2G3233F

% Moisture: 6 decanted: (Y/N) N Date Received: 05/19/07

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/07

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/08/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B&L-6 4-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix: (soil/water) SOIL Lab Sample ID: F0643-09A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E2G3281F

% Moisture: 6 decanted: (Y/N) N Date Received: 05/19/07

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/22/07

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 06/09/07

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Metals Data for
Mitkem Corporation, Job No. MF0643

4 Soil Samples
Collected May 18, 2007

Prepared by: Donald Anné
January 4, 2008

Holding Times: Samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for antimony were above control limits (90-110%), but were not above 150%. Positive results for antimony should be considered estimated (J) in associated samples.

Blanks: The analyses for initial and continuing calibration, and preparation blanks reported target metals and cyanide as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recovery for mercury was below control limits, but was not below 10% for spike sample B&L-5 4-8S. All results for mercury should be considered estimated (J) in associated samples.

Duplicate: The relative percent difference for mercury was above the method maximum (20%) and was above the region 2 allowable maximum (100%) for duplicate sample B&L-5 4-8D. Positive results for mercury should be considered estimated (J) in associated samples.

Laboratory Control Sample: The recovery for antimony was above control limits in soil sample LCS-30066. Positive results for antimony should be considered estimated (J) in associated samples.

Serial Dilution Sample: The %Ds for cobalt, iron, lead, and nickel were above the allowable maximum (10%) for soil serial dilution sample B&L-5 4-8. Positive results for these metals that are above the CRDLs should be considered estimated (J) in associated soil samples.

679 Plank Road ▪ Clifton Park, New York 12065 ▪ (518) 348-6995 ▪ FAX (518) 348-6966
www.alphageoscience.com

Method Detection Limits: The IDLs for target metals were at or below the CRDLs, as required.

Percent Solids: The % solids for all 4 soil samples were greater than 50%, as required.

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

B&L-2 4-8

Lab Name: Mitkem Corporation Contract: 1032.0001-A

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix (soil/water): SOIL Lab Sample ID: F0643-05

Level (low/med): MED Date Received: 05/19/2007

% Solids: 92.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4130			P
7440-36-0	Antimony	0.056	U		P
7440-38-2	Arsenic	0.89	B		P
7440-39-3	Barium	8.6	B		P
7440-41-7	Beryllium	0.0061	U		P
7440-43-9	Cadmium	0.062	B		P
7440-70-2	Calcium	1480			P
7440-47-3	Chromium	3.1			P
7440-48-4	Cobalt	2.9		E J	P
7440-50-8	Copper	4.0			P
7439-89-6	Iron	6720		E J	P
7439-92-1	Lead	4.4		E J	P
7439-95-4	Magnesium	1650			P
7439-96-5	Manganese	76.3			P
7439-97-6	Mercury	0.0063	U	N* J	CV
7440-02-0	Nickel	3.6		E J	P
7440-09-7	Potassium	225			P
7782-49-2	Selenium	0.067	U		P
7440-22-4	Silver	0.21	B		P
7440-23-5	Sodium	157			P
7440-28-0	Thallium	0.080	U		P
7440-62-2	Vanadium	7.5			P
7440-66-6	Zinc	17.0			P

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-3 4-8

Lab Name: Mitkem Corporation Contract: 1032.0001-A

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix (soil/water): SOIL Lab Sample ID: F0643-06

Level (low/med): MED Date Received: 05/19/2007

% Solids: 95.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3930			P
7440-36-0	Antimony	0.057	U		P
7440-38-2	Arsenic	0.94	B		P
7440-39-3	Barium	56.3			P
7440-41-7	Beryllium	0.0062	U		P
7440-43-9	Cadmium	0.082	B		P
7440-70-2	Calcium	1220			P
7440-47-3	Chromium	2.0			P
7440-48-4	Cobalt	38.1		E J	P
7440-50-8	Copper	8.1			P
7439-89-6	Iron	6500		E J	P
7439-92-1	Lead	4.3		E J	P
7439-95-4	Magnesium	1560			P
7439-96-5	Manganese	639			P
7439-97-6	Mercury	0.0061	U	N* J	CV
7440-02-0	Nickel	4.5		E J	P
7440-09-7	Potassium	250			P
7782-49-2	Selenium	0.068	U		P
7440-22-4	Silver	0.019	U		P
7440-23-5	Sodium	108			P
7440-28-0	Thallium	0.081	U		P
7440-62-2	Vanadium	6.4			P
7440-66-6	Zinc	20.4			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

B&L-5 4-8

Lab Name: Mitkem Corporation Contract: 1032:0001-A

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix (soil/water): SOIL Lab Sample ID: F0643-08

Level (low/med): MED Date Received: 05/19/2007

% Solids: 94.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4080			P
7440-36-0	Antimony	0.053	U		P
7440-38-2	Arsenic	0.64	B		P
7440-39-3	Barium	12.7			P
7440-41-7	Beryllium	0.0058	U		P
7440-43-9	Cadmium	0.069	B		P
7440-70-2	Calcium	1360			P
7440-47-3	Chromium	3.0			P
7440-48-4	Cobalt	2.7		E J	P
7440-50-8	Copper	3.8			P
7439-89-6	Iron	7010		E J	P
7439-92-1	Lead	4.5		E J	P
7439-95-4	Magnesium	1880			P
7439-96-5	Manganese	88.1			P
7439-97-6	Mercury	0.0060	U	N* J	CV
7440-02-0	Nickel	2.9		E J	P
7440-09-7	Potassium	271			P
7782-49-2	Selenium	0.064	U		P
7440-22-4	Silver	0.17	B		P
7440-23-5	Sodium	130			P
7440-28-0	Thallium	0.075	U		P
7440-62-2	Vanadium	6.3			P
7440-66-6	Zinc	17.4			P

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

B&L-6 4-8

Lab Name: Mitkem Corporation Contract: 1032.0001-A

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0643

Matrix (soil/water): SOIL Lab Sample ID: F0643-09

Level (low/med): MED Date Received: 05/19/2007

% Solids: 94.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4540			P
7440-36-0	Antimony	0.87	B	J	P
7440-38-2	Arsenic	3.3			P
7440-39-3	Barium	60.3			P
7440-41-7	Beryllium	0.0056	U		P
7440-43-9	Cadmium	0.47			P
7440-70-2	Calcium	10800			P
7440-47-3	Chromium	5.8			P
7440-48-4	Cobalt	3.2		E J	P
7440-50-8	Copper	17.7			P
7439-89-6	Iron	9190		E J	P
7439-92-1	Lead	188		E J	P
7439-95-4	Magnesium	3530			P
7439-96-5	Manganese	131			P
7439-97-6	Mercury	0.044		N* J	CV
7440-02-0	Nickel	5.3		E J	P
7440-09-7	Potassium	278			P
7782-49-2	Selenium	0.062	U		P
7440-22-4	Silver	0.21	B		P
7440-23-5	Sodium	83.6			P
7440-28-0	Thallium	0.073	U		P
7440-62-2	Vanadium	9.0			P
7440-66-6	Zinc	251			P

Comments:

Analytical Data Package for Barton & Loguidice

Client Project: Glens Falls, 36 Elm St , ERP, 1032.001

SDG# MF0643

Mitkem Project ID: F0643

June 18, 2007

Prepared For:

Barton & Loguidice
2 Corporate Plaza
264 Washington Ave. Ext
Albany, NY 12203
Attn: Stephen LeFevre

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 Barton & Loguidice's Glens Falls, 36 Elm St. ERP project Under this deliverable, analysis results are presented for eleven samples that were received on May 18 and 19, 2007 and logged into Mitkem Workorder F0643. Analyses were performed per specifications in the project's contract and the chain of custody forms.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP 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:

Surrogate recovery: percent recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits with the exception of elevated recovery of acetone in V5DLCS.

Matrix spike/duplicate: duplicate matrix spikes were performed on sample B&L-5 4-8. Spike recoveries and replicate RPDs were within the QC limits with the exception of 49 out of 136 recoveries and 0 out of 68 RPDs. The unusually low spike recoveries were confirmed with a second set of MS/MSD analyses on this sample showing similar results. The first set of analyses are reported on the Form 3, with the raw data for the second set of analyses included after the MSD.

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

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception of one surrogaet in sample B&L-6 4-8 and the MS on sample B&L-5 4-8, and one acid and one basic surrogate in sample B&L-7 3-6.

Lab control sample: spike recoveries and replicate RPDs were within the QC limits with the exception of 4-nitroaniline in S3SLCS.

Matrix spike/duplicate: duplicate matrix spikes were performed on sample B&L-5 4-8. Spike recoveries and replicate RPDs were within the QC limits with the exception of 1 out of 124 spikes and 0 out of 62 replicate RPDs.

Sample analysis: sample B&L-6 4-8 was concentrated to an elevated 3mL final extract volume due to increasing color and viscosity of the extract. This is essentially equivalent to a 3X dilution. This sample was also reanalyzed at a 20X dilution. No other unusual observation was made for the analysis.

4. PCB Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception of elevated recovery for DCB on one GC column in sample B&L-6 4-8.

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

Matrix spike/duplicate: duplicate matrix spikes were performed on sample B&L-5 4-8. Spike recoveries and replicate RPDs were within the QC limits.

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

5. Total Petroleum Hydrocarbons:

Samples were analyzed by EPA method 8015B/8100/NY 310.13. Total extractable petroleum hydrocarbons are quantified and reported on standard Mitkem data sheets. Identification of the hydrocarbon fuels present is provided on a single data page preceding the sample-by-sample data sheets. Chromatograms of standard petroleum products used for identification purposes follow the last logbook page in the TPH section of the data report.

Surrogate recovery: recoveries were within the QC limits with the exception of sample B&L-6 4-8, which was diluted below the reporting limit for the surrogate.

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

Matrix spike/duplicate: spike recoveries were within the QC limits.

Sample analysis: sample B&L-6 4-8 was analyzed at a 20X dilution. No other unusual observation was made for the analysis.

6. Metals Analysis:

Samples were analyzed by Methods 6010/7471. Results are reported on CLP ILM04-type forms. Please note that the Form 10 header lists "CRDL" and "IDL" which are actually the PQL (low standard concentration) and MDL respectively for SW-846 analyses.

Lab control sample: spike recovery was within the QC limits with the exception of elevated recovery for antimony. Please note that this apparent high bias is not significant, as antimony was not detected above the reporting limit in any sample.

Matrix spike: matrix spike analysis was performed on sample B&L-5 4-8. Spike recoveries were within the QC limits with the exception of mercury at 71%.

Duplicate: duplicate analyses were performed on sample B&L-5 4-8 Replicate RPDs were within the QC limits with the exception of mercury.

Sample analysis: A serial dilution was performed on sample B&L-5 4-8 with percent RPDs within the QC limits with the exception of copper, iron, lead, and nickel. Results for these elements are flagged with an "E" on the data sheets.

No other unusual observation was made for the analysis.

The pages in this report have been numbered consecutively, starting from this narrative 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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hardcopy data package.

Edward A. Lawler
Laboratory Operations Manager
06/18/07

Mitkem Corporation

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

Project Name : City of Glens Falls – 36 Elm St , B&L # 1032.001 **SDG :** F0643

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
B&L-1 2-4	F0643-01	SW8260B_LOW_S	SW8270C_S	SW8082_S	SW6010B_S	
B&L-1 2-4	F0643-01			TPH_S	SW7471A	
B&L-7 3-6	F0643-02	SW8260B_LOW_S	SW8270C_S	SW8082_S	SW6010B_S	
B&L-7 3-6	F0643-02			TPH_S	SW7471A	
B&L-8 6-8	F0643-03	SW8260B_LOW_S	SW8270C_S	SW8082_S	SW6010B_S	
B&L-8 6-8	F0643-03			TPH_S	SW7471A	
TRIP BLANK	F0643-04	SW8260B_W				
B&L-2 4-8	F0643-05	SW8260B_LOW_S	SW8270C_S	SW8082_S	SW6010B_S	
B&L-2 4-8	F0643-05			TPH_S	SW7471A	
B&L-3 4-8	F0643-06	SW8260B_LOW_S	SW8270C_S	SW8082_S	SW6010B_S	
B&L-3 4-8	F0643-06			TPH_S	SW7471A	
B&L-4 4-8	F0643-07	SW8260B_LOW_S	SW8270C_S	SW8082_S	SW6010B_S	
B&L-4 4-8	F0643-07			TPH_S	SW7471A	
B&L-5 4-8	F0643-08	SW8260B_LOW_S	SW8270C_S	SW8082_S	SW6010B_S	
B&L-5 4-8	F0643-08			TPH_S	SW7471A	
B&L-6 4-8	F0643-09	SW8260B_LOW_S	SW8270C_S	SW8082_S	SW6010B_S	
B&L-6 4-8	F0643-09			TPH_S	SW7471A	
BLIND DUP	F0643-10	SW8260B_LOW_S	SW8270C_S	SW8082_S	SW6010B_S	
BLIND DUP	F0643-10	SW8260B_MED_S		TPH_S	SW7471A	
TRIP BLANK	F0643-11	SW8260B_W				

Mitkem Corporation

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

Project Name : City of Glens Falls – 36 Elm St , B&L # 1032.001 **SDG :** F0643

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260B_LOW_S					
F0643-01B	SL	5/16/2007	5/18/2007	NA	5/23/2007
F0643-02B	SL	5/16/2007	5/18/2007	NA	5/23/2007
F0643-03B	SL	5/16/2007	5/18/2007	NA	5/23/2007
F0643-05B	SL	5/18/2007	5/19/2007	NA	5/23/2007
F0643-06B	SL	5/18/2007	5/19/2007	NA	5/23/2007
F0643-07B	SL	5/18/2007	5/19/2007	NA	5/23/2007
F0643-08B	SL	5/18/2007	5/19/2007	NA	5/23/2007
F0643-08BMS	SL	5/18/2007	5/19/2007	NA	5/23/07
F0643-08BMSD	SL	5/18/2007	5/19/2007	NA	5/23/07
F0643-09B	SL	5/18/2007	5/19/2007	NA	5/23/2007
F0643-10B	SL	5/18/2007	5/19/2007	NA	5/23/2007
SW8260B_MED_S					
F0643-10C	SL	5/18/2007	5/19/2007	5/31/2007	5/31/2007
SW8260B_W					
F0643-04A	AQ	5/16/2007	5/18/2007	NA	5/25/2007
F0643-11A	AQ	5/18/2007	5/19/2007	NA	5/25/2007

Mitkem Corporation

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

Project Name : City of Glens Falls -- 36 Elm St , B&L # 1032.001 **SDG :** F0643

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270C_S					
F0643-01A	SL	5/16/2007	5/18/2007	5/21/2007	6/6/2007
F0643-02A	SL	5/16/2007	5/18/2007	5/21/2007	~~6/6/2007~~ 6/7/2007 re-diluted
F0643-03A	SL	5/16/2007	5/18/2007	5/21/2007	6/6/2007
F0643-05A	SL	5/18/2007	5/19/2007	5/21/2007	6/6/2007
F0643-06A	SL	5/18/2007	5/19/2007	5/21/2007	6/6/2007
F0643-07A	SL	5/18/2007	5/19/2007	5/21/2007	6/6/2007
F0643-08A	SL	5/18/2007	5/19/2007	5/21/2007	6/6/2007
F0643-08AMS	SL	5/18/2007	5/19/2007	5/21/2007	6/7/2007
F0643-08AMSD	SL	5/18/2007	5/19/2007	5/21/2007	6/7/2007
F0643-09A	SL	5/18/2007	5/19/2007	5/21/2007	6/6/2007
F0643-10A	SL	5/18/2007	5/19/2007	5/21/2007	~~6/6/2007~~ 6/7/2007 re-diluted

Mitkem Corporation

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

Project Name : City of Glens Falls – 36 Elm St , B&L # 1032.001 **SDG :** F0643

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8082_S					
F0643-01A	SL	5/16/2007	5/18/2007	5/22/2007	6/8/2007
F0643-02A	SL	5/16/2007	5/18/2007	5/22/2007	6/8/2007
F0643-03A	SL	5/16/2007	5/18/2007	5/22/2007	6/8/2007
F0643-05A	SL	5/18/2007	5/19/2007	5/30/2007	6/8/2007
F0643-06A	SL	5/18/2007	5/19/2007	5/30/2007	6/8/2007
F0643-07A	SL	5/18/2007	5/19/2007	5/22/2007	6/8/2007
F0643-08A	SL	5/18/2007	5/19/2007	5/22/2007	6/8/2007
F0643-08AMS	SL	5/18/2007	5/19/2007	5/22/2007	6/9/2007
F0643-08AMSD	SL	5/18/2007	5/19/2007	5/22/2007	6/9/2007
F0643-09A	SL	5/18/2007	5/19/2007	5/22/2007	~~6/8/2007~~ 6/9/2007
F0643-10A	SL	5/18/2007	5/19/2007	5/22/2007	~~6/8/2007~~ 6/9/2007
TPH_S					
F0643-01A	SL	5/16/2007	5/18/2007	5/22/2007	5/31/2007
F0643-02A	SL	5/16/2007	5/18/2007	5/22/2007	5/30/2007
F0643-03A	SL	5/16/2007	5/18/2007	5/22/2007	5/30/2007
F0643-05A	SL	5/18/2007	5/19/2007	5/22/2007	5/30/2007
F0643-06A	SL	5/18/2007	5/19/2007	5/22/2007	5/30/2007
F0643-07A	SL	5/18/2007	5/19/2007	5/22/2007	5/30/2007
F0643-08A	SL	5/18/2007	5/19/2007	5/22/2007	5/31/2007
F0643-08AMS	SL	5/18/2007	5/19/2007	5/22/2007	5/31/2007
F0643-08AMSD	SL	5/18/2007	5/19/2007	5/22/2007	5/31/2007
F0643-09A	SL	5/18/2007	5/19/2007	5/22/2007	6/6/2007
F0643-10A	SL	5/18/2007	5/19/2007	5/22/2007	5/31/2007

Mitkem Corporation

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

Project Name : City of Glens Falls -- 36 Elm St., B&L # 1032.001 **SDG :** F0643

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260B_LOW_S					
F0643-01B	SL	SW8260B_LOW_S	NA	LOW	1
F0643-02B	SL	SW8260B_LOW_S	NA	LOW	1
F0643-03B	SL	SW8260B_LOW_S	NA	LOW	1
F0643-05B	SL	SW8260B_LOW_S	NA	LOW	1
F0643-06B	SL	SW8260B_LOW_S	NA	LOW	1
F0643-07B	SL	SW8260B_LOW_S	NA	LOW	1
F0643-08B	SL	SW8260B_LOW_S	NA	LOW	1
F0643-08BMS	SL	SW8260B_LOW_S	NA	LOW	1
F0643-08BMSD	SL	SW8260B_LOW_S	NA	LOW	1
F0643-09B	SL	SW8260B_LOW_S	NA	LOW	1
F0643-10B	SL	SW8260B_LOW_S	NA	LOW	1
SW8260B_MED_S					
F0643-10C	SL	SW8260B_MED_S	SW8260B_MED_S	MED	1
SW8260B_W					
F0643-04A	AQ	SW8260B_W	NA	LOW	1
F0643-11A	AQ	SW8260B_W	NA	LOW	1

Mitkem Corporation

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

Project Name : City of Glens Falls – 36 Elm St., B&L # 1032.001 **SDG :** F0643

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270C_S					
F0643-01A	SL	SW8270C_S	SW8270C_S	NA	1
F0643-02A	SL	SW8270C_S	SW8270C_S	NA	1
F0643-03A	SL	SW8270C_S	SW8270C_S	NA	1
F0643-05A	SL	SW8270C_S	SW8270C_S	NA	1
F0643-06A	SL	SW8270C_S	SW8270C_S	NA	1
F0643-07A	SL	SW8270C_S	SW8270C_S	NA	1
F0643-08A	SL	SW8270C_S	SW8270C_S	NA	1
F0643-08AMS	SL	SW8270C_S	SW8270C_S	NA	1
F0643-08AMSD	SL	SW8270C_S	SW8270C_S	NA	1
F0643-09A	SL	SW8270C_S	SW8270C_S	NA	1
F0643-10A	SL	SW8270C_S	SW8270C_S	NA	1

Mitkem Corporation

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

Project Name : City of Glens Falls – 38 Elm St , B&L # 1032.001 **SDG :** F0643

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8082_S					
F0643-01A	SL	SW8082_S	SW8082_S	NA	1
F0643-02A	SL	SW8082_S	SW8082_S	NA	1
F0643-03A	SL	SW8082_S	SW8082_S	NA	1
F0643-05A	SL	SW8082_S	SW8082_S	NA	1
F0643-06A	SL	SW8082_S	SW8082_S	NA	1
F0643-07A	SL	SW8082_S	SW8082_S	NA	1
F0643-08A	SL	SW8082_S	SW8082_S	NA	1
F0643-08AMS	SL	SW8082_S	SW8082_S	NA	1
F0643-08AMSD	SL	SW8082_S	SW8082_S	NA	1
F0643-09A	SL	SW8082_S	SW8082_S	NA	1
F0643-10A	SL	SW8082_S	SW8082_S	NA	1
TPH_S					
F0643-01A	SL	TPH_S	TPH_S_PR	NA	1
F0643-02A	SL	TPH_S	TPH_S_PR	NA	1
F0643-03A	SL	TPH_S	TPH_S_PR	NA	1
F0643-05A	SL	TPH_S	TPH_S_PR	NA	1
F0643-06A	SL	TPH_S	TPH_S_PR	NA	1
F0643-07A	SL	TPH_S	TPH_S_PR	NA	1
F0643-08A	SL	TPH_S	TPH_S_PR	NA	1
F0643-08AMS	SL	TPH_S	TPH_S_PR	NA	1
F0643-08AMSD	SL	TPH_S	TPH_S_PR	NA	1
F0643-09A	SL	TPH_S	TPH_S_PR	NA	20
F0643-10A	SL	TPH_S	TPH_S_PR	NA	1

Mitkem Corporation

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

Project Name : City of Glens Falls – 38 Elm St , B&L # 1032.001 **SDG :** F0643

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010B_S				
F0643-01A	SL	SW6010B_S	5/18/2007	5/25/2007
F0643-02A	SL	SW6010B_S	5/18/2007	5/25/2007
F0643-03A	SL	SW6010B_S	5/18/2007	5/25/2007
F0643-05A	SL	SW6010B_S	5/19/2007	5/25/2007
F0643-06A	SL	SW6010B_S	5/19/2007	5/25/2007
F0643-07A	SL	SW6010B_S	5/19/2007	5/25/2007
F0643-08A	SL	SW6010B_S	5/19/2007	5/25/2007
F0643-08ADUP	SL	SW6010B_S	5/19/2007	5/25/2007
F0643-08AMS	SL	SW6010B_S	5/19/2007	5/25/2007
F0643-09A	SL	SW6010B_S	5/19/2007	5/25/2007
F0643-10A	SL	SW6010B_S	5/19/2007	5/25/2007
SW7471A				
F0643-01A	SL	SW7471A	5/18/2007	5/23/2007
F0643-02A	SL	SW7471A	5/18/2007	5/23/2007
F0643-03A	SL	SW7471A	5/18/2007	5/23/2007
F0643-05A	SL	SW7471A	5/19/2007	5/23/2007
F0643-06A	SL	SW7471A	5/19/2007	5/23/2007
F0643-07A	SL	SW7471A	5/19/2007	5/23/2007
F0643-08A	SL	SW7471A	5/19/2007	5/23/2007
F0643-08ADUP	SL	SW7471A	5/19/2007	5/23/2007
F0643-08AMS	SL	SW7471A	5/19/2007	5/23/2007
F0643-09A	SL	SW7471A	5/19/2007	5/23/2007
F0643-10A	SL	SW7471A	5/19/2007	5/23/2007

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Package Assessment and Appraisal Report
For Mitkem Corporation, SDG No: MF 0735

Report 4
Glens Falls Environmental Restoration Project
5 Ground Water Samples
Collected May 30, 2007

Prepared by: Donald Anné
January 3, 2008

The data packages contain the documentation required by USEPA SW-846. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results volatile, semi-volatile, metal, and polychlorinated biphenyl (PCB) analyses for 5 ground water samples.

The overall performances of the analyses are acceptable. Mitkem Corporation did fulfill the requirements of the analytical methods.

The data are mostly acceptable and uncompromised with some issues that are identified in detail in the accompanying data validation reviews. Data that were rejected included the volatile results for 2 compounds in all five ground water samples, all semi-volatile results for one ground water sample, and the aluminum results for four ground water samples. All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Z:\PROJECTS\2007\07621 - 07640\07623-GGFLDC\F0735.SUM.DOC

679 Plank Road ▪ Clifton Park, New York 12065 ▪ (518) 348-6995 ▪ FAX (518) 348-6966
www.alphageoscience.com

Glens Falls Environmental Restoration Project

Report 4 Mitkem Corp. Work Order No. F0735

							Analyses							
							Volatiles 8260C 4/98		Semi-VOCs 8270D 1/98		Metals 6010B-7471A 12/96-9/94		PCBs 8082 12/96	
Location ID	Sample Number	Lab ID No.	Date Sampled	Date Submitted	Date Received	Matrix	Analyzed (Y/N)	Compliant (Y/N)	Analyzed (Y/N)	Compliant (Y/N)	Analyzed (Y/N)	Compliant (Y/N)	Analyzed (Y/N)	Compliant (Y/N)
B&L-2	BL-2	F0735-05	5/30/07	5/30/07	5/31/07	ground water	Y	Y	Y	Y	Y	Y	Y	Y
B&L-4	BL-4	F0735-03	5/30/07	5/30/07	5/31/07	ground water	Y	Y	Y	Y	Y	Y	Y	Y
B&L-5	BL-5	F0735-02	5/30/07	5/30/07	5/31/07	ground water	Y	Y	Y	Y	Y	Y	Y	Y
B&L-6	BL-6	F0735-01	5/30/07	5/30/07	5/31/07	ground water	Y	Y	Y	Y	Y	Y	Y	Y
B&L-7	BL-7	F0735-06	5/30/07	5/30/07	5/31/07	ground water	Y	Y	Y	Y	Y	Y	Y	Y

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Volatiles Data for
Mitkem Corporation, SDG No: MF0735

5 Ground Water Samples
Collected May 30, 2007

Prepared by: Donald Anné
January 4, 2008

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRF and %RSD criteria were met per method 8260C.

The %RSDs for target compounds were below the allowable maximum (30%), as required.

The average RRFs for acetone (0.033) and 2-butanone (0.035) were below the allowable minimum (0.050) for V1 on 06-02-07. Positive results for these two compounds should be considered estimated (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The RRF50 and %D criteria were met per method 8260C.

The %Ds for trichlorofluoromethane (27.4%) and 2,2-dichloropropane (48.0%) were above the allowable maximum (25%) on 06-06-07 (V1I6101). The %D for 2,2-dichloropropane (25.6%) was above the allowable maximum (25%) on 06-07-07 (V1I6151). Positive results for these compounds should be considered estimated (J) in associated samples.

The RRF50s for acetone (0.038) and 2-butanone (0.040) were below the allowable minimum (0.050) on 06-06-07 (V1I6101). The RRF50s for acetone (0.035) and 2-butanone (0.035) were below the allowable minimum (0.050) on 06-07-07 (V1I6151). Positive results for these compounds should be considered estimated (J) and negative results unusable (R) in associated samples.

Blanks: Method blank VBLK1S contained traces of trichloroethene (4 ug/L), naphthalene (1 ug/L), and 1,2,3-trichlorobenzene (1 ug/L). The field blank contained a trace of chloroform (2 ug/L).

679 Plank Road ▪ Clifton Park, New York 12065 ▪ (518) 348-6995 ▪ FAX (518) 348-6966
www.alphageoscience.com

Results for chloroform, trichloroethene, naphthalene, and 1,2,3-trichlorobenzene that are less than five times the highest blank should be considered not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for ground water samples.

Matrix Spike/Matrix Spike Duplicate: One of 68 relative percent differences was above the allowable maximum and 2 of 136 percent recoveries were above QC limits for MS/MSD sample BL-4. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recovery for 2,2-dichloropropane was above QC limits for LCS V1SLCS. Positive results for 2,2-dichloropropane should be considered estimated (J) in associated samples.

The %Rs for bromochloromethane, chloroform, and dibromomethane were below QC limits for LCS V1TLCS. All results for these compounds should be considered estimated (J) in associated samples.

Compound ID: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6161

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/08/07

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

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U R
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U R
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6161

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/08/07

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

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BL-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6161

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/08/07

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
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6118

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/07/07

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

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U R
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U R
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6118

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/07/07

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

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BL-4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6118

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/07/07

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
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6159

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/07/07

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

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U R
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U R
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6159

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/07/07

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

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BL-5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6159

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/07/07

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
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-6

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6158

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/07/07

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

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
75-71-8	Dichlorodifluoromethane		5	U
74-87-3	Chloromethane		5	U
75-01-4	Vinyl Chloride		5	U
74-83-9	Bromomethane		5	U
75-00-3	Chloroethane		5	U
75-69-4	Trichlorofluoromethane		5	U
75-35-4	1,1-Dichloroethene		5	U
67-64-1	Acetone		5	U R
74-88-4	Iodomethane		5	U
75-15-0	Carbon Disulfide		5	U
75-09-2	Methylene Chloride		5	U
156-60-5	trans-1,2-Dichloroethene		5	U
1634-04-4	Methyl tert-butyl ether		5	U
75-34-3	1,1-Dichloroethane		5	U
108-05-4	Vinyl acetate		5	U
78-93-3	2-Butanone		5	U R
156-59-2	cis-1,2-Dichloroethene		5	U
590-20-7	2,2-Dichloropropane		5	U
74-97-5	Bromochloromethane		5	U
67-66-3	Chloroform		5	U
71-55-6	1,1,1-Trichloroethane		5	U
563-58-6	1,1-Dichloropropene		5	U
56-23-5	Carbon Tetrachloride		5	U
107-06-2	1,2-Dichloroethane		5	U
71-43-2	Benzene		5	U
79-01-6	Trichloroethene		5	U
78-87-5	1,2-Dichloropropane		5	U
74-95-3	Dibromomethane		5	U
75-27-4	Bromodichloromethane		5	U
10061-01-5	cis-1,3-Dichloropropene		5	U
108-10-1	4-Methyl-2-pentanone		5	U
108-88-3	Toluene		5	U
10061-02-6	trans-1,3-Dichloropropene		5	U
79-00-5	1,1,2-Trichloroethane		5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-6

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6158

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/07/07

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

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BL-6

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6158

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/07/07

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
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-7

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6162

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/08/07

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

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U R
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U R
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	1	J U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-7

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6162

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/08/07

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

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
----------	m,p-Xylene	5	U
95-47-6	o-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BL-7

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V1I6162

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: not dec. _____ Date Analyzed: 06/08/07

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
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Semi-Volatile Data
for Mitkem Corporation, Job No. MF0735

5 Ground Water Samples
Collected May 30, 2007

Prepared by: Donald Anné
January 4, 2008

Holding Times: Sample BL-7RE was re-extracted beyond SW-846 holding times. All results for sample BL-7RE should be considered estimated (J).

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRF and %RSD criteria were met per method 8270D.

The average RRFs for target compounds were above the allowable minimum (0.050), as required.

The %RSD for 2,4-dinitrophenol (34.5%) was above the allowable maximum (30%) for S3 on 05-17-07. Positive results for 2,4-dinitrophenol should be considered estimated (J) in associated samples.

Continuing Calibration: The RRF50 and %D criteria were met per method 8270D.

The RRF50s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for 2,2'-oxybis(1-chloropropane) (26.0%), 2,4-dinitrophenol (47.8%), 4,6-dinitro-2-methylphenol (26.2%), pentachlorophenol (47.7%), bis(2-ethylhexyl)phthalate (27.7%), and di-n-octylphthalate (26.6%) were above the allowable maximum (25%) on 06-20-07 (S3E3911). The %Ds for 2,2'-oxybis(1-chloropropane) (28.2%), bis(2-ethylhexyl)phthalate (32.9%), and di-n-octylphthalate (32.7%) were above the allowable maximum (25%) on 06-22-07 (S3E3981). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Method blank SBLK3W contained a trace of bis(2-ethylhexyl)phthalate (2 ug/L). Results for bis(2-ethylhexyl)phthalate that are less than ten times the highest blank should be not detected (U) in associated samples.

679 Plank Road ▪ Clifton Park, New York 12065 ▪ (518) 348-6995 ▪ FAX (518) 348-6966
www.alphageoscience.com

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of three base/neutral surrogate recoveries for sample BL-6 was below control limits, but was not below 10%. No action is taken on one surrogate recovery per fraction outside control limits, provided the recovery is not less than 10%.

Two of three base/neutral surrogate recoveries for sample BL-7 were below control limits and 1 was below 10% and 1 of 3 acid extractable surrogate recoveries was below control limits and was below 10%. Positive results for BL-7 should be considered estimated (J) and negative results unusable (R).

Matrix Spike/Matrix Spike Duplicate: Ten of 62 relative percent differences were above the allowable maximum and 10 of 124 percent recoveries were outside QC limits for MS/MSD sample BL-4. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries (%Rs) for 2,4-dimethylphenol, 4-chloroaniline, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4,6-dinitro-2-methylphenol were below QC limits for LCS S3RLCS. The %R for hexachlorocyclopentadiene was below QC limits for LCS S3WLCS. All results for these compounds should be considered estimated (J) in associated samples.

The %Rs for butylbenzylphthalate and bis(2-ethylhexyl)phthalate were above QC limits for LCS S3WLCS. Positive results for these compounds should be considered estimated (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3922

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3922

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	20	U J
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U J
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BL-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3922

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3918

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3918

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	20	U J
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U J
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BL-4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3918

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3917

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3917

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	20	U J
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U J
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BL-5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3917

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-6

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3916

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-6

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3916

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	20	UJ
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	2	J
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	3	J
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	16	
120-12-7	Anthracene	5	J
86-74-8	Carbazole	2	J
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	15	
129-00-0	Pyrene	11	
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	6	J
218-01-9	Chrysene	5	J
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	J
207-08-9	Benzo(k)fluoranthene	2	J
50-32-8	Benzo(a)pyrene	4	J
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BL-6

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3916

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-7

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3923

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-7

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3923

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	20	U R
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U R

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BL-7

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3923

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/03/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/20/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-7RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-06BRE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3999

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/21/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/22/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-7RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-06BRE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3999

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 06/21/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/22/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
51-28-5	2,4-Dinitrophenol	20	U	J
100-02-7	4-Nitrophenol	20	U	
132-64-9	Dibenzofuran	10	U	
121-14-2	2,4-Dinitrotoluene	10	U	
84-66-2	Diethylphthalate	10	U	
7005-72-3	4-Chlorophenyl-phenylether	10	U	
86-73-7	Fluorene	10	U	
100-01-6	4-Nitroaniline	20	U	
534-52-1	4,6-Dinitro-2-methylphenol	20	U	
86-30-6	N-Nitrosodiphenylamine (1)	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	20	U	
85-01-8	Phenanthrene	10	U	
120-12-7	Anthracene	10	U	
86-74-8	Carbazole	10	U	
84-74-2	Di-n-butylphthalate	10	U	
206-44-0	Fluoranthene	10	U	
129-00-0	Pyrene	10	U	
85-68-7	Butylbenzylphthalate	10	U	
91-94-1	3,3'-Dichlorobenzidine	10	U	
56-55-3	Benzo(a)anthracene	10	U	
218-01-9	Chrysene	10	U	J
117-81-7	bis(2-Ethylhexyl)phthalate	1	JB	UJ
117-84-0	Di-n-octylphthalate	10	U	J
205-99-2	Benzo(b)fluoranthene	10	U	
207-08-9	Benzo(k)fluoranthene	10	U	
50-32-8	Benzo(a)pyrene	10	U	
193-39-5	Indeno(1,2,3-cd)pyrene	10	U	
53-70-3	Dibenzo(a,h)anthracene	10	U	
191-24-2	Benzo(g,h,i)perylene	10	U	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BL-7RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-06BRE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E3999

Level: (low/med) LOW Date Received: 05/31/07

% Moisture: _____ decanted: (Y/N)___ Date Extracted:06/21/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 06/22/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of PCB Data for
Mitkem Corporation, Job No. MF0735

5 Ground Water Samples
Collected May 30, 2007

Prepared by: Donald Anné
January 4, 2008

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within QC limits for MS/MSD sample BL-4.

Laboratory Control Sample: The percent recoveries were within QC limits for LCS A2LLCS.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%), as required.

Continuing Calibration: The average %Ds for target aroclors were below the allowable maximum (15%), as required.

PCB Analytical Sequence: The retention times for TCX and DCB were within control limits for environmental samples.

PCB Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of all 4 soil samples reported target aroclors as not detected.

Z:\projects\2007\07621 - 07640\07623-GGFLDC\mf0735.pcb.wpd

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BL-2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-05B

Sample wt/vol: 1000 (g/ml) ML Lab File ID: E2G3409F

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/31/07

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/01/07

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/13/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BL-4

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-03B

Sample wt/vol: 1000 (g/ml) ML Lab File ID: E2G3399F

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/31/07

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 06/01/07

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/12/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BL-5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-02B

Sample wt/vol: 1000 (g/ml) ML Lab File ID: E2G3398F

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/31/07

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:06/01/07

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/12/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BL-6

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-01B

Sample wt/vol: 1000 (g/ml) ML Lab File ID: E2G3397F

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/31/07

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:06/01/07

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/12/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BL-7

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix: (soil/water) WATER Lab Sample ID: F0735-06B

Sample wt/vol: 1000 (g/ml) ML Lab File ID: E2G3410F

% Moisture: _____ decanted: (Y/N)___ Date Received: 05/31/07

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:06/01/07

Concentrated Extract Volume: 10000(uL) Date Analyzed: 06/13/07

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

ALPHA
GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Metals Data for
Mitkem Corporation, Job No. MF0735

5 Ground Water Samples
Collected May 30, 2007

Prepared by: Donald Anné
January 4, 2008

Holding Times: Samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for antimony were above control limits (90-110%), but were not above 150%. Positive results for antimony should be considered estimated (J) in associated samples.

Blanks: The analyses for initial and continuing calibration blanks reported target metals and cyanide as below the CRDLs, as required. The preparation blank contained aluminum (322.828 ug/L) above the CRDL. Positive results for aluminum that are less than ten times the preparation blank level should be considered unusable (R).

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for applicable target metals were within control limits for spike sample BL-4S.

Duplicate: The relative percent differences for applicable target metals were below the method maximum (20%) for duplicate sample BL-4D, as required.

Laboratory Control Sample: The percent recovery for antimony was above control limits (80-120%) in aqueous sample LCS-30311. Positive results for antimony should be considered estimated (J) in associated samples.

Serial Dilution Sample: The %Ds for applicable metals were below the allowable maximum (10%) for aqueousl serial dilution sample BL-4, as required.

Method Detection Limits: The IDLs for target metals were at or below the CRDLs, as required.

Z:\projects\2007\07621 - 07640\07623-GGFLDC\mf0735.met.wpd

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

BL-2

Lab Name: Mitkem Corporation Contract: 1032.0001-A

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix (soil/water): WATER Lab Sample ID: F0735-05

Level (low/med): MED Date Received: 05/31/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1120			P
7440-36-0	Antimony	5.0	B		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	26.5	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	47300			P
7440-47-3	Chromium	0.58	B		P
7440-48-4	Cobalt	0.62	B		P
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	962			P
7439-92-1	Lead	1.1	B		P
7439-95-4	Magnesium	5470			P
7439-96-5	Manganese	49.3	B		P
7439-97-6	Mercury	0.047	U		CV
7440-02-0	Nickel	0.70	B		P
7440-09-7	Potassium	3680			P
7782-49-2	Selenium	27.9	B		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	124000			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	22.8	B		P

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

BL-4

Lab Name: Mitkem Corporation Contract: 1032.0001-A

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix (soil/water): WATER Lab Sample ID: F0735-03

Level (low/med): MED Date Received: 05/31/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18.2	B	R	P
7440-36-0	Antimony	4.3	B	J	P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	30.2	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	44300			P
7440-47-3	Chromium	0.38	U		P
7440-48-4	Cobalt	0.29	B		P
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	34.3	B		P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	3320			P
7439-96-5	Manganese	4.4	B		P
7439-97-6	Mercury	0.047	U		CV
7440-02-0	Nickel	0.59	U		P
7440-09-7	Potassium	10200			P
7782-49-2	Selenium	19.9	B		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	174000			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	0.47	U		P
7440-66-6	Zinc	15.3	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

BL-5

Lab Name: Mitkem Corporation Contract: 1032.0001-A

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix (soil/water): WATER Lab Sample ID: F0735-02

Level (low/med): MED Date Received: 05/31/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1870		R	P
7440-36-0	Antimony	4.2	B	J	P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	56.0	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	60600			P
7440-47-3	Chromium	2.4	B		P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	1390			P
7439-92-1	Lead	0.46	U		P
7439-95-4	Magnesium	5750			P
7439-96-5	Manganese	235			P
7439-97-6	Mercury	0.047	U		CV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	7430			P
7782-49-2	Selenium	37.6			P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	160000			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	1.5	B		P
7440-66-6	Zinc	20.2	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

BL-6

Lab Name: Mitkem Corporation Contract: 1032.0001-A

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix (soil/water): WATER Lab Sample ID: F0735-01

Level (low/med): MED Date Received: 05/31/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2840		R	P
7440-36-0	Antimony	6.8	B	J	P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	52.8	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	58700			P
7440-47-3	Chromium	3.5	B		P
7440-48-4	Cobalt	1.6	B		P
7440-50-8	Copper	12.4	B		P
7439-89-6	Iron	3090			P
7439-92-1	Lead	30.3			P
7439-95-4	Magnesium	5490			P
7439-96-5	Manganese	82.1			P
7439-97-6	Mercury	0.047	U		CV
7440-02-0	Nickel	2.7	B		P
7440-09-7	Potassium	9350			P
7782-49-2	Selenium	30.3			P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	110000			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	3.9	B		P
7440-66-6	Zinc	78.2			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

BL-7

Lab Name: Mitkem Corporation Contract: 1032.0001-A

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF0735

Matrix (soil/water): WATER Lab Sample ID: F0735-06

Level (low/med): MED Date Received: 05/31/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7790			P
7440-36-0	Antimony	5.9	B	J	P
7440-38-2	Arsenic	1.7	B		P
7440-39-3	Barium	63.2	B		P
7440-41-7	Beryllium	0.15	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	37000			P
7440-47-3	Chromium	7.4	B		P
7440-48-4	Cobalt	4.0	B		P
7440-50-8	Copper	7.7	B		P
7439-89-6	Iron	4700			P
7439-92-1	Lead	50.0			P
7439-95-4	Magnesium	4380			P
7439-96-5	Manganese	314			P
7439-97-6	Mercury	0.047	U		CV
7440-02-0	Nickel	4.1	B		P
7440-09-7	Potassium	4680			P
7782-49-2	Selenium	17.9	B		P
7440-22-4	Silver	0.91	U		P
7440-23-5	Sodium	123000			P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	5.5	B		P
7440-66-6	Zinc	36.2	B		P

Comments:

Analytical Data Package for Barton & Loguidice

Client Project: Glens Falls, 36 Elm St , ERP, 1032.001

SDG# MF0735

Mitkem Project ID: F0735

June 29, 2007

Prepared For:

Barton & Loguidice
2 Corporate Plaza
264 Washington Ave. Ext
Albany, NY 12203
Attn: Stephen LeFevre

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 Barton & Loguidice's Glens Falls, 36 Elm St. ERP project. Under this deliverable, analysis results are presented for nine samples that were received on May 31, 2007 and logged into Mitkem Workorder F0735. Analyses were performed per specifications in the project's contract and the chain of custody forms.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP 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:

Surrogate recovery: percent recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits with the exception of elevated recovery of 2,2-dichloropropane in V1SLCS and low recoveries of bromochloromethane, chloroform, and dibromomethane in V1TLCS.

Matrix spike/duplicate: duplicate matrix spikes were performed on sample BL-4. Spike recoveries and replicate RPDs were within the QC limits with the exception of 2 out of 136 recoveries and 1 out of 68 RPDs.

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

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception of one surrogate in sample BL-6 and in the MS and MSD on sample BL-4, and three surrogates in the initial analysis of sample BL-7. Sample BL-7 was reextracted and reanalyzed with improved recoveries for all surrogates. Please note that this reextraction occurred beyond the method holding time. Results for both the initial and reextraction are included in the report; no target compounds were detected above the reporting limit in either analysis.

Lab control sample: spike recoveries were within the QC limits with the exception of 2,4-dimethylphenol, 4-chloroaniline, hexachlorocyclopentadien, 2,4-dinitrophenol, and 4,6-dinitro-2-methylphenol in S3RLCS and hexachlorocyclopentadien, butylbenzylphthalate, bis(2-ethylhexyl)phthalate in S3WLCS.

Matrix spike/duplicate: duplicate matrix spikes were performed on sample BL-4. Spike recoveries and replicate RPDs were within the QC limits with the exception of 10 out of 124 spikes and 10 out of 62 replicate RPDs.

Sample analysis: sample BL-7 was reextracted out of holding time. No other unusual observation was made for the analysis.

4. PCB Analysis:

Surrogate recovery: recoveries were within the QC limits.

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

Matrix spike/duplicate: duplicate matrix spikes were performed on sample BL-4. Spike recoveries and replicate RPDs were within the QC limits.

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

5. Metals Analysis:

Samples were analyzed by Methods 6010/7470. Results are reported on CLP ILM04-type forms. Please note that the Form 10 header lists "CRDL" and "IDL" which are actually the PQL (low standard concentration) and MDL respectively for SW-846 analyses.

Lab control sample: spike recovery was within the QC limits with the exception of elevated recovery for antimony. Please note that this apparent high bias is not significant, as antimony was not detected above the reporting limit in any sample.

Matrix spike: matrix spike analysis was performed on sample BL-4. Spike recoveries were within the QC limits.

Duplicate: duplicate analyses were performed on sample BL-4. Replicate RPDs were within the QC limits.

Sample analysis: A serial dilution was performed on sample BL-4 with percent RPDs within the QC limits.

No other unusual observation was made for the analysis.

The pages in this report have been numbered consecutively, starting from this narrative 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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hardcopy data package.

Edward A. Lawler
Laboratory Operations Manager
6/29/07

Mitkem Corporation

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

Project Name : City of Glens Falls – 36 Elm St , B&L # 1032.001 **SDG :** F0735

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
BL-6	F0735-01	SW8260B_W	SW8270C_W	SW8082_W	SW6010B_W	
BL-6	F0735-01				SW7470A	
BL-5	F0735-02	SW8260B_W	SW8270C_W	SW8082_W	SW6010B_W	
BL-5	F0735-02				SW7470A	
BL-4	F0735-03	SW8260B_W	SW8270C_W	SW8082_W	SW6010B_W	
BL-4	F0735-03				SW7470A	
BL-3	F0735-04	SW8260B_W	SW8270C_W	SW8082_W	SW6010B_W	
BL-3	F0735-04				SW7470A	
BL-2	F0735-05	SW8260B_W	SW8270C_W	SW8082_W	SW6010B_W	
BL-2	F0735-05				SW7470A	
BL-7	F0735-06	SW8260B_W	SW8270C_W	SW8082_W	SW6010B_W	
BL-7	F0735-06				SW7470A	
BLIND DUPLICATE	F0735-07	SW8260B_W	SW8270C_W	SW8082_W	SW6010B_W	
BLIND DUPLICATE	F0735-07				SW7470A	
FIELD BLANK	F0735-08	SW8260B_W				
TRIP BLANK	F0735-09	SW8260B_W				

Mitkem Corporation

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

Project Name : City of Glens Falls – 36 Elm St , B&L # 1032.001 **SDG :** F0735

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260B_W					
F0735-01A	AQ	5/30/2007	5/31/2007	NA	~~6/6/2007~~ 6/7/2007
F0735-02A	AQ	5/30/2007	5/31/2007	NA	~~6/6/2007~~ 6/7/2007
F0735-03A	AQ	5/30/2007	5/31/2007	NA	~~6/6/2007~~ 6/7/2007
F0735-03AMS	AQ	5/30/2007	5/31/2007	NA	6/7/2007
F0735-03AMSD	AQ	5/30/2007	5/31/2007	NA	6/7/2007
F0735-04A	AQ	5/30/2007	5/31/2007	NA	~~6/6/2007~~ 6/7/2007
F0735-05A	AQ	5/30/2007	5/31/2007	NA	~~6/6/2007~~ 6/7/2007
F0735-06A	AQ	5/30/2007	5/31/2007	NA	~~6/6/2007~~ 6/7/2007
F0735-07A	AQ	5/30/2007	5/31/2007	NA	~~6/6/2007~~ 6/7/2007
F0735-08A	AQ	5/30/2007	5/31/2007	NA	~~6/6/2007~~ 6/7/2007
F0735-09A	AQ	5/30/2007	5/31/2007	NA	~~6/6/2007~~ 6/7/2007

Mitkem Corporation

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

Project Name : City of Glens Falls – 36 Elm St , B&L # 1032.001 **SDG :** F0735

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8270C_W					
F0735-01B	AQ	5/30/2007	5/31/2007	6/3/2007	6/20/2007
F0735-02B	AQ	5/30/2007	5/31/2007	6/3/2007	6/20/2007
F0735-03B	AQ	5/30/2007	5/31/2007	6/3/2007	6/20/2007
F0735-03BMS	AQ	5/30/2007	5/31/2007	6/3/2007	6/20/07
F0735-03BMSD	AQ	5/30/2007	5/31/2007	6/3/2007	6/20/07
F0735-04B	AQ	5/30/2007	5/31/2007	6/3/2007	6/20/2007
F0735-05B	AQ	5/30/2007	5/31/2007	6/3/2007	6/20/2007
F0735-06B	AQ	5/30/2007	5/31/2007	6/21/2007	6/20/2007
F0735-07B	AQ	5/30/2007	5/31/2007	6/3/2007	6/20/2007

Mitkem Corporation

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

Project Name : City of Glens Falls -- 36 Elm St., B&L # 1032.001 **SDG :** F0735

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8082_W					
F0735-01B	AQ	5/30/2007	5/31/2007	6/1/2007	6/12/2007
F0735-02B	AQ	5/30/2007	5/31/2007	6/1/2007	6/12/2007
F0735-03B	AQ	5/30/2007	5/31/2007	6/1/2007	6/12/2007
F0735-03BMS	AQ	5/30/2007	5/31/2007	6/1/2007	6/12/2007
F0735-03BMSD	AQ	5/30/2007	5/31/2007	6/1/2007	6/12/2007
F0735-04B	AQ	5/30/2007	5/31/2007	6/1/2007	6/12/2007
F0735-05B	AQ	5/30/2007	5/31/2007	6/1/2007	6/12/2007
F0735-06B	AQ	5/30/2007	5/31/2007	6/1/2007	6/12/2007
F0735-07B	AQ	5/30/2007	5/31/2007	6/1/2007	6/12/2007

Mitkem Corporation

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

Project Name : City of Glens Falls – 36 Elm St., B&L # 1032.001 **SDG :** F0735

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260B_W					
F0735-01A	AQ	SW8260B_W	NA	LOW	1
F0735-02A	AQ	SW8260B_W	NA	LOW	1
F0735-03A	AQ	SW8260B_W	NA	LOW	1
F0735-03AMS	AQ	SW8260B_W	NA	LOW	1
F0735-03AMSD	AQ	SW8260B_W	NA	LOW	1
F0735-04A	AQ	SW8260B_W	NA	LOW	1
F0735-05A	AQ	SW8260B_W	NA	LOW	1
F0735-06A	AQ	SW8260B_W	NA	LOW	1
F0735-07A	AQ	SW8260B_W	NA	LOW	1
F0735-08A	AQ	SW8260B_W	NA	LOW	1
F0735-09A	AQ	SW8260B_W	NA	LOW	1

Mitkem Corporation

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

Project Name : City of Glens Falls – 38 Elm St , B&L # 1032.001 **SDG :** F0735

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270C_W					
F0735-01B	AQ	SW8270C_W	SW8270C_W	NA	1
F0735-02B	AQ	SW8270C_W	SW8270C_W	NA	1
F0735-03B	AQ	SW8270C_W	SW8270C_W	NA	1
F0735-03BMS	AQ	SW8270C_W	SW8270C_W	NA	1
F0735-03BMSD	AQ	SW8270C_W	SW8270C_W	NA	1
F0735-04B	AQ	SW8270C_W	SW8270C_W	NA	1
F0735-05B	AQ	SW8270C_W	SW8270C_W	NA	1
F0735-06B	AQ	SW8270C_W	SW8270C_W	NA	1
F0735-07B	AQ	SW8270C_W	SW8270C_W	NA	1

Mitkem Corporation

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

Project Name : City of Glens Falls -- 36 Elm St . B&L # 1032.001 **SDG :** F0735

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8082_W					
F0735-01B	AQ	SW8082_W	SW8082_W	NA	1
F0735-02B	AQ	SW8082_W	SW8082_W	NA	1
F0735-03B	AQ	SW8082_W	SW8082_W	NA	1
F0735-03BMS	AQ	SW8082_W	SW8082_W	NA	1
F0735-03BMSD	AQ	SW8082_W	SW8082_W	NA	1
F0735-04B	AQ	SW8082_W	SW8082_W	NA	1
F0735-05B	AQ	SW8082_W	SW8082_W	NA	1
F0735-06B	AQ	SW8082_W	SW8082_W	NA	1
F0735-07B	AQ	SW8082_W	SW8082_W	NA	1

Mitkem Corporation

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

Project Name : City of Glens Falls – 36 Elm St . B&L # 1032.001 **SDG :** F0735

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
SW6010B_W				
F0735-01C	AQ	SW6010B_W	5/31/2007	6/7/2007
F0735-02C	AQ	SW6010B_W	5/31/2007	6/7/2007
F0735-03C	AQ	SW6010B_W	5/31/2007	6/7/2007
F0735-03CDUP	AQ	SW6010B_W	5/31/2007	6/7/2007
F0735-03CMS	AQ	SW6010B_W	5/31/2007	6/5/2007
F0735-04C	AQ	SW6010B_W	5/31/2007	6/7/2007
F0735-05C	AQ	SW6010B_W	5/31/2007	6/7/2007
F0735-06C	AQ	SW6010B_W	5/31/2007	6/7/2007
F0735-07C	AQ	SW6010B_W	5/31/2007	6/7/2007
SW7470A				
F0735-01C	AQ	SW7470A	5/31/2007	6/5/2007
F0735-02C	AQ	SW7470A	5/31/2007	6/5/2007
F0735-03C	AQ	SW7470A	5/31/2007	6/5/2007
F0735-03CDUP	AQ	SW7470A	5/31/2007	6/5/2007
F0735-03CMS	AQ	SW7470A	5/31/2007	6/5/2007
F0735-04C	AQ	SW7470A	5/31/2007	6/5/2007
F0735-05C	AQ	SW7470A	5/31/2007	6/5/2007
F0735-06C	AQ	SW7470A	5/31/2007	6/5/2007
F0735-07C	AQ	SW7470A	5/31/2007	6/5/2007

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Package Assessment and Appraisal Report
For Mitkem Corporation, SDG No: MF 0912

Report 5
Glens Falls Environmental Restoration Project
1 Soil Vapor Sample
Collected May 25, 2007

Prepared by: Donald Anné
January 4, 2008

The data package contains the documentation required by USEPA TO-15. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results volatile analysis for 1 soil vapor sample.

The overall performances of the analyses are acceptable. Mitkem Corporation did fulfill the requirements of the analytical methods.

The data are acceptable and uncompromised with no issues identified in the accompanying data validation review. No data were rejected. All data are considered usable. Detailed information on data quality is included in the data validation reviews.

Z:\PROJECTS\2007\07621 - 07640\07623-GGFLDC\F0912.SUM.DOC

679 Plank Road ▪ Clifton Park, New York 12065 ▪ (518) 348-6995 ▪ FAX (518) 348-6966
www.alphageoscience.com

Glens Falls Environmental Restoration Project

Report 5 Mitkem Corp. Work Order No. F0912

Location ID	Sample Number	Lab ID No.	Date Sampled	Date Submitted	Date Received	Matrix	Analyses: Volatiles TO15 1/99	
							Analyzed (Y/N)	Compliant (Y/N)
SS-2	SS-2	C0705026-002A	5/25/07	5/28/07	5/30/07	soil vapor	Y	Y

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of TO-15 Volatiles Data for
Centek Laboratories, LLC, Order No. C0705026
Mitkem, Job No. F0912

1 Soil Vapor Sample
Collected May 25, 2007

Prepared by: Donald Anné
January 4, 2008

Holding Times: Sample SS-2 was analyzed within the EPA recommended holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (30%), as required.

Blanks: The analyses of method and trip blanks reported target compounds as not detected. The canister cleaning verification sample reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recovery was within control limits for sample SS-2.

Laboratory Control Sample: The percent recoveries were within QC limits for LCS BS1UT-053007.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

679 Plank Road ▪ Clifton Park, New York 12065 ▪ (518) 348-6995 ▪ FAX (518) 348-6966
www.alphageoscience.com

Centek Laboratories, LLC

Date: *27-Jun-07*

CLIENT:	MitKem	**Client Sample ID:**	SS-2
Lab Order:	C0705026	**Tag Number:**	479,444
Project:	36 Elm St	**Collection Date:**	5/25/2007
Lab ID:	C0705026-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Vacuum Reading "Hg	-2			"Hg		5/25/2007
1UG/M3 BY METHOD TO15		TO-15				Analyst: LL
1,1,1-Trichloroethane	0.42	0.15		ppbV	1	5/30/2007
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	5/30/2007
1,1,2-Trichloroethane	ND	0.15		ppbV	1	5/30/2007
1,1-Dichloroethane	ND	0.15		ppbV	1	5/30/2007
1,1-Dichloroethene	ND	0.15		ppbV	1	5/30/2007
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	5/30/2007
1,2,4-Trimethylbenzene	0.15	0.15		ppbV	1	5/30/2007
1,2-Dibromoethane	ND	0.15		ppbV	1	5/30/2007
1,2-Dichlorobenzene	ND	0.15		ppbV	1	5/30/2007
1,2-Dichloroethane	ND	0.15		ppbV	1	5/30/2007
1,2-Dichloropropane	ND	0.15		ppbV	1	5/30/2007
1,3,5-Trimethylbenzene	ND	0.15		ppbV	1	5/30/2007
1,3-butadiene	ND	0.15		ppbV	1	5/30/2007
1,3-Dichlorobenzene	ND	0.15		ppbV	1	5/30/2007
1,4-Dichlorobenzene	ND	0.15		ppbV	1	5/30/2007
1,4-Dioxane	ND	0.30		ppbV	1	5/30/2007
2,2,4-trimethylpentane	ND	0.15		ppbV	1	5/30/2007
4-ethyltoluene	ND	0.15		ppbV	1	5/30/2007
Acetone	2.7	3.0	J	ppbV	10	5/30/2007
Allyl chloride	ND	0.15		ppbV	1	5/30/2007
Benzene	ND	0.15		ppbV	1	5/30/2007
Benzyl chloride	ND	0.15		ppbV	1	5/30/2007
Bromodichloromethane	ND	0.15		ppbV	1	5/30/2007
Bromoform	ND	0.15		ppbV	1	5/30/2007
Bromomethane	ND	0.15		ppbV	1	5/30/2007
Carbon disulfide	0.32	0.15		ppbV	1	5/30/2007
Carbon tetrachloride	0.12	0.15	J	ppbV	1	5/30/2007
Chlorobenzene	ND	0.15		ppbV	1	5/30/2007
Chloroethane	ND	0.15		ppbV	1	5/30/2007
Chloroform	0.28	0.15		ppbV	1	5/30/2007
Chloromethane	ND	0.15		ppbV	1	5/30/2007
cis-1,2-Dichloroethene	ND	0.15		ppbV	1	5/30/2007
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	5/30/2007
Cyclohexane	ND	0.15		ppbV	1	5/30/2007
Dibromochloromethane	ND	0.15		ppbV	1	5/30/2007
Ethyl acetate	ND	0.25		ppbV	1	5/30/2007
Ethylbenzene	ND	0.15		ppbV	1	5/30/2007

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Centek Laboratories, LLC

Date: *27-Jun-07*

CLIENT:	MitKem	**Client Sample ID:**	SS-2
Lab Order:	C0705026	**Tag Number:**	479,444
Project:	36 Elm St	**Collection Date:**	5/25/2007
Lab ID:	C0705026-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: LL
Freon 11	0.25	0.15		ppbV	1	5/30/2007
Freon 113	ND	0.15		ppbV	1	5/30/2007
Freon 114	ND	0.15		ppbV	1	5/30/2007
Freon 12	0.54	0.15		ppbV	1	5/30/2007
Heptane	ND	0.15		ppbV	1	5/30/2007
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	5/30/2007
Hexane	ND	0.15		ppbV	1	5/30/2007
Isopropyl alcohol	ND	0.15		ppbV	1	5/30/2007
m&p-Xylene	0.21	0.30	J	ppbV	1	5/30/2007
Methyl Butyl Ketone	ND	0.30		ppbV	1	5/30/2007
Methyl Ethyl Ketone	ND	0.30		ppbV	1	5/30/2007
Methyl Isobutyl Ketone	ND	0.30		ppbV	1	5/30/2007
Methyl tert-butyl ether	ND	0.15		ppbV	1	5/30/2007
Methylene chloride	0.18	0.15		ppbV	1	5/30/2007
o-Xylene	ND	0.15		ppbV	1	5/30/2007
Propylene	ND	0.15		ppbV	1	5/30/2007
Styrene	ND	0.15		ppbV	1	5/30/2007
Tetrachloroethylene	ND	0.15		ppbV	1	5/30/2007
Tetrahydrofuran	ND	0.15		ppbV	1	5/30/2007
Toluene	0.36	0.15		ppbV	1	5/30/2007
trans-1,2-Dichloroethene	ND	0.15		ppbV	1	5/30/2007
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	5/30/2007
Trichloroethene	ND	0.15		ppbV	1	5/30/2007
Vinyl acetate	ND	0.15		ppbV	1	5/30/2007
Vinyl Bromide	ND	0.15		ppbV	1	5/30/2007
Vinyl chloride	ND	0.15		ppbV	1	5/30/2007
Surr: Bromofluorobenzene	90.0	70-130		%REC	1	5/30/2007

Qualifiers:			
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *27-Jun-07*

CLIENT:	MitKem	**Client Sample ID:**	SS-2
Lab Order:	C0705026	**Tag Number:**	479,444
Project:	36 Elm St	**Collection Date:**	5/25/2007
Lab ID:	C0705026-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: LL
1,1,1-Trichloroethane	2.3	0.83		ug/m3	1	5/30/2007
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	5/30/2007
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	5/30/2007
1,1-Dichloroethane	ND	0.62		ug/m3	1	5/30/2007
1,1-Dichloroethene	ND	0.60		ug/m3	1	5/30/2007
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	5/30/2007
1,2,4-Trimethylbenzene	0.75	0.75		ug/m3	1	5/30/2007
1,2-Dibromoethane	ND	1.2		ug/m3	1	5/30/2007
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	5/30/2007
1,2-Dichloroethane	ND	0.62		ug/m3	1	5/30/2007
1,2-Dichloropropane	ND	0.70		ug/m3	1	5/30/2007
1,3,5-Trimethylbenzene	ND	0.75		ug/m3	1	5/30/2007
1,3-butadiene	ND	0.34		ug/m3	1	5/30/2007
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	5/30/2007
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	5/30/2007
1,4-Dioxane	ND	1.1		ug/m3	1	5/30/2007
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	5/30/2007
4-ethyltoluene	ND	0.75		ug/m3	1	5/30/2007
Acetone	6.5	7.2	J	ug/m3	10	5/30/2007
Allyl chloride	ND	0.48		ug/m3	1	5/30/2007
Benzene	ND	0.49		ug/m3	1	5/30/2007
Benzyl chloride	ND	0.88		ug/m3	1	5/30/2007
Bromodichloromethane	ND	1.0		ug/m3	1	5/30/2007
Bromoform	ND	1.6		ug/m3	1	5/30/2007
Bromomethane	ND	0.59		ug/m3	1	5/30/2007
Carbon disulfide	1.0	0.47		ug/m3	1	5/30/2007
Carbon tetrachloride	0.77	0.96	J	ug/m3	1	5/30/2007
Chlorobenzene	ND	0.70		ug/m3	1	5/30/2007
Chloroethane	ND	0.40		ug/m3	1	5/30/2007
Chloroform	1.4	0.74		ug/m3	1	5/30/2007
Chloromethane	ND	0.31		ug/m3	1	5/30/2007
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	5/30/2007
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	5/30/2007
Cyclohexane	ND	0.52		ug/m3	1	5/30/2007
Dibromochloromethane	ND	1.3		ug/m3	1	5/30/2007
Ethyl acetate	ND	0.92		ug/m3	1	5/30/2007
Ethylbenzene	ND	0.86		ug/m3	1	5/30/2007
Freon 11	1.4	0.86		ug/m3	1	5/30/2007
Freon 113	ND	1.2		ug/m3	1	5/30/2007
Freon 114	ND	1.1		ug/m3	1	5/30/2007

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Centek Laboratories, LLC

Date: *27-Jun-07*

CLIENT:	MitKem	**Client Sample ID:**	SS-2
Lab Order:	C0705026	**Tag Number:**	479,444
Project:	36 Elm St	**Collection Date:**	5/25/2007
Lab ID:	C0705026-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: LL
Freon 12	2.7	0.75		ug/m3	1	5/30/2007
Heptane	ND	0.62		ug/m3	1	5/30/2007
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	5/30/2007
Hexane	ND	0.54		ug/m3	1	5/30/2007
Isopropyl alcohol	ND	0.37		ug/m3	1	5/30/2007
m&p-Xylene	0.93	1.3	J	ug/m3	1	5/30/2007
Methyl Butyl Ketone	ND	1.2		ug/m3	1	5/30/2007
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	5/30/2007
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	5/30/2007
Methyl tert-butyl ether	ND	0.55		ug/m3	1	5/30/2007
Methylene chloride	0.64	0.53		ug/m3	1	5/30/2007
o-Xylene	ND	0.66		ug/m3	1	5/30/2007
Propylene	ND	0.26		ug/m3	1	5/30/2007
Styrene	ND	0.65		ug/m3	1	5/30/2007
Tetrachloroethylene	ND	1.0		ug/m3	1	5/30/2007
Tetrahydrofuran	ND	0.45		ug/m3	1	5/30/2007
Toluene	1.4	0.57		ug/m3	1	5/30/2007
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	5/30/2007
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	5/30/2007
Trichloroethene	ND	0.82		ug/m3	1	5/30/2007
Vinyl acetate	ND	0.54		ug/m3	1	5/30/2007
Vinyl Bromide	ND	0.67		ug/m3	1	5/30/2007
Vinyl chloride	ND	0.39		ug/m3	1	5/30/2007

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

New York State Department of Environmental Conservation

Sample Identification and Analytical Requirements Summary

Project Name: 36 Elm Street

SDG: C0705026

Customer Sample ID	Laboratory Sample ID	MSVOA Method Number
SS-1	C0705026-001A	TO-15
SS-2	C0705026-002A	TO-15
SV-1	C0705026-003A	TO-15
SV-2	C0705026-004A	TO-15
SV-3	C0705026-005A	TO-15
SV-4	C0705026-006A	TO-15
DUPE	C0705026-007A	TO-15
TRIP BLANK	C0705026-008A	TO-15
AMB-1	C0705026-009A	TO-15
AMB-2	C0705026-010A	TO-15

New York State Department of Environmental Conservation

Sample Preparation and Analysis Summary

Project Name: 36 Elm Street SDG: C0705026

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd by Lab	Date Extracted	Date Analyzed
C0705026-001A	Air	5/25/2007	5/30/2007	NA	5/30/2007
C0705026-002A	Air	5/25/2007	5/30/2007	NA	5/30/2007
C0705026-003A	Air	5/25/2007	5/30/2007	NA	5/30/2007
C0705026-004A	Air	5/25/2007	5/30/2007	NA	5/30/2007
C0705026-005A	Air	5/25/2007	5/30/2007	NA	5/30/2007
C0705026-006A	Air	5/25/2007	5/30/2007	NA	5/30/2007
C0705026-007A	Air	5/25/2007	5/30/2007	NA	5/30/2007
C0705026-008A	Air	5/25/2007	5/30/2007	NA	5/30/2007
C0705026-009A	Air	5/25/2007	5/30/2007	NA	5/30/2007
C0705026-010A	Air	5/25/2007	5/30/2007	NA	5/30/2007

New York State Department of Environmental Conservation

Sample Preparation and Analysis Summary

Project Name: 36 Elm Street SDG: C0705026

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
C0705026-001A	Air	TO-15	NA	Low	1
C0705026-002A	Air	TO-15	NA	Low	1, 10
C0705026-003A	Air	TO-15	NA	Low	1
C0705026-004A	Air	TO-15	NA	Low	1
C0705026-005A	Air	TO-15	NA	Low	1
C0705026-006A	Air	TO-15	NA	Low	1
C0705026-007A	Air	TO-15	NA	Low	1, 10
C0705026-008A	Air	TO-15	NA	Low	1
C0705026-009A	Air	TO-15	NA	Low	1
C0705026-010A	Air	TO-15	NA	Low	1, 10

Centek Laboratories, LLC

Date: *27-Jun-07*

CLIENT: MitKem
Project: 36 Elm St
Lab Order: C0705026

CASE NARRATIVE

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination. Samples were analyzed using the methods outlined in the following references:

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

Centek Laboratories, LLC — **Chain of Custody**

143 Midler Park Drive
Syracuse, NY 13206
Phone: 315-431-9730 Fax: 315-431-9731 Emergency: 315-416-2751 / 416-2752

Site Name: 36 ELM ST
Project: ERP 1032.001
PO#:
Other:

Detection Limit	Report Level
☐ 5ppbv	☐ Level I
☒ 1ug/M3	☐ Level II
☐ 1ug/M3 +TCE .25	☒ Cat "B" Like

Turnaround Time:	Check One	Rush TAT Surcharge %	Due Date:
5 Business Days	☒	0%	
4 Business Days	☐	35%	
3 Business Days	☐	50%	
2 Business Days	☐	75%	
Next Day by 5pm	☐	100%	
Next Day by Noon	☐	150%	
Same Day	☐	200%	

Company: BARTON AND LOGUIDICE, P.C.
Report: STEVE LE FEVRE
2 CORPORATE PLAZA
224 WASHINGTON AVE. EXTENSION
ALBANY, NY 12203
Phone: (518) 218-1801
Fax: (518) 218-1805
Email: SLEFEVRE@BARTONANDLOGUIDICE.COM

Company:
Invoice: SAME
Phone:
Fax:
Email:

Sample ID	Date Sampled	Canister Number	Regulator Number	Analysis Request	Comments	Vacuum Start/Stop
SS-1	5/26/2007	138	79	TO-15		~28-30 / 3
SS-2	5/25/2007	479	444	↓		~28-30 / 0
SV-1	5/25/2007	100	447			~28-30 / 1
SV-2	5/25/2007	469	276			~28-30 / 0
SV-3	5/29/2007	283	117			~28-30 / 0
SV-4	5/25/2007	241	454			~28-30 / 0
~~SV-5~~ DUPLICATE	5/25/2007	426	397			~28-30 / 0
TRIP BLANK	5/25/2007	230	120	↓		
AMB-1	5/25/2007	195	57			~28-30 / 4
AMB-2	5/25/2007	336	153	↓		~28-30 / 0

Chain of Custody	Print Name	Signature	Date/Time	Courier:
Sampled by:	JOSHUA C. HAMLIN		5/25/07	
Relinquished by:	JEFF SCOLA		5-29-07	
Received at Lab by:				

www.CentekLabs.com

Centek Laboratories, LLC

Sample Receipt Checklist

Client Name **MITKEM** Date and Time Receive **5/30/2007**

Work Order Numbe **C0705026** Received by **JDS**

Checklist completed b _____ Signature Date **5/30/07** Reviewed by **MT** Initials **5/30/07** Date

Matrix Carrier name Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Presen ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Presen ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Presen ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

Centek Laboratories, LLC

Date: *27-Jun-07*

CLIENT: MitKem
Project: 36 Elm St
Lab Order: C0705026

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
C0705026-001A	SS-1	138,79	5/25/2007	5/30/2007
C0705026-002A	SS-2	479,444	5/25/2007	5/30/2007
C0705026-003A	SV-1	100,447	5/25/2007	5/30/2007
C0705026-004A	SV-2	169,276	5/25/2007	5/30/2007
C0705026-005A	SV-3	285,147	5/25/2007	5/30/2007
C0705026-006A	SV-4	241,459	5/25/2007	5/30/2007
C0705026-007A	DUPE	426,397	5/25/2007	5/30/2007
C0705026-008A	Trip Blank	230,120	5/25/2007	5/30/2007
C0705026-009A	AMB-1	195,57	5/25/2007	5/30/2007
C0705026-010A	AMB-2	336,153	5/25/2007	5/30/2007