



A **tyco** International Ltd. Company

40 British American Blvd. P 518.951.2200
Latham, NY F 518.951.2300
12110 www.earthtech.com

November 20, 2007

Mr. Payson Long
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7013

Subject: **Fort Edward Landfill
NYSDEC Site #5-58-001
Work Assignment D004445-19
Quarterly O&M Report: Third Quarter - 2007**

Dear Mr. Long:

On June 19 2007, Earth Tech received Notice to Proceed, thereby assuming responsibility for the operation and maintenance (O&M) of the groundwater remedial system at the subject site, under NYSDEC work assignment (WA) D004445-19. This letter constitutes the first quarterly report regarding operations, maintenance and discharge water quality at the facility. The report describes activities during the months of July, August and September, 2007.

As of our most recent system inspection on November 19th, the remedial system, although not at full capacity, is operating without any problems. One extraction well is online (two are not), and the collection trench is draining to the treatment building under the influence of gravity (rather than pumped). The next system inspection will occur in about two weeks. Maintenance visits will occur as soon and as often as our schedule allows until the system is operating as designed.

Sampling Results

Earth Tech conducted its first and second monthly sampling of influent and effluent water on August 30th and September 20th, respectively. The samples were submitted to Mitkem Corporation in Warwick, RI for analysis. Effluent samples were analyzed by EPA Method OLM 4.3 for volatile organics, SW 8082 (modified) for PCBs, ILM 4.1 (+ mercury) for metals, SM2540 for TDS & TSS, and SM5530 for phenolics. PCB analysis of system effluent will only be performed on a quarterly basis (the August sample this quarter), as required in the Effluent Limitations and Monitoring Requirements (ELMR). Influent samples were analyzed for metals and VOCs only. Analytical results for both sampling dates are summarized on the attached tables. The laboratory analytical reports are also attached.

The aggregate concentration of reported VOCs in the August *influent* sample was approximately 400 ug/L; the September sample reported total VOCs of 128 ug/L. With respect to groundwater standards (Class GA), metals concentrations in the *influent* samples were elevated for iron, manganese, selenium, and sodium (for both sampling events).

Mr. Payson Long
NYSDEC
November 20, 2007

Both *effluent* samples met all limitations for VOCs. Metals exceedances were noted for iron in the August and September samples. Exceedances were noted for cobalt and lead in one sample only. The ELMR for TDS was exceeded in both samples; the TSS requirement was not met in the August sample. The attached table presents sample concentrations versus ELMR for all analytes. Note that both effluent samples were collected prior to treatment in the polishing pond, per your authorization. Water was not flowing from the polishing pond into the feeder canal during these sampling events. These results therefore reflect treatment in the *phragmites* cells only.

System Maintenance

The following is an activity summary for the system inspection and maintenance visits performed during the reporting period.

July 10th - Onsite meeting/tour with you and John Strang – first site visit since receiving NTP.

July 23rd - Techs vacuumed materials from the bottom of the three extraction well manholes. Entered manholes and assessed extent of damage to visible piping. Prepared materials list to perform repairs, and purchased materials.

July 24th – Entered extraction well manholes to repair visible piping. Started all three submersible pumps – they run on “hand,” but not on “auto” because of communication faults in the control panels at each well. Replaced broken 2” PVC check valve on discharge pump P-201 in treatment building. Disassembled eyewash station and shower; compiled parts list for repairs. Purchased parts. There is no water supply to the treatment plant so repairs have to wait.

July 26th - Replaced broken 2” PVC check valve on discharge pump P-202 in treatment building. Installed new pressure gauges on four discharge pumps (P-201 – P-204). None of the pumps work. Disassembled and cleaned the nearly-plugged piping of P-203. Installed pump in effluent collection sump W-5 – it works on “hand” but not on “auto.” Confirmed discharge from pipe at upper end of the polishing pond. Turned pump off. Attached new combination padlock to site gate and combination lockbox to treatment building.

August 13th – Techs met onsite with John Strang. Disassembled and cleaned discharge pump P-204. Installed spare, clean, undersized impeller that was onsite. Installed a butterfly valve on the discharge side of the holding tank in the treatment building. Strang made necessary contacts to restore water service to the building. Noted broken 6” cleanout on the east leg of the collection trench. Will require backhoe excavation to repair. Removed pump P-203 for offsite inspection/repair by 3rd party.

August 23rd – Pulled and checked water level transducers for the three extraction wells and the two collection sumps (effluent and collection trench). Noted depth to water, well depths, depths at which

Mr. Payson Long
NYSDEC
November 20, 2007

transducers and pumps were set, and depth to pitless adapters. Noted pump, motor and transducer model numbers and casing markings. Could not pull pump from well 1. Worked on reassembly of piping at building sink, shower and eyewash station. Techs were able to get pump in effluent collection sump to run on "auto," so the sump is now being emptied into the polishing pond under PLC control.

August 30th – Onsite meeting with John Strang and Pete Linn of Smith Controls. Objective was to show site controls to Smith in order to get a price to restore them to design specs. Smith identified several problems and even made some repairs during this visit. Specifically, he cleaned the contacts on the holding tank pressure transmitter, and restored the connection of the corroded wires which had prevented the pressure transmitter from controlling the operation of the discharge pumps. Smith was also able to get the submersible pump in extraction well 1 to operate on "auto." Very productive site tour by Smith Controls, and at no cost to the project!

Collected first round of influent and effluent samples.

September 20th – Sampled system influent and effluent. Designed and installed a valved extension of the discharge pipe to the polishing pond to facilitate filling water sample containers.

September 24th – Received price quotation from Smith Controls to repair problems identified on August 30th site visit, and for additional troubleshooting. Pete Linn indicated Smith could perform work in October.

Earth Tech appreciates the opportunity to perform this work for the NYSDEC. If you have any questions about this report, please direct them to me at (518) 951-2262, or contact me by email at stephen.choiniere@earthtech.com.

Very truly yours,
Earth Tech Northeast, Inc.



Stephen R. Choiniere
Project Manager

FORT EDWARD LANDFILL
 SITE #: 5-58-001
 MONTHLY PERFORMANCE MONITORING
 INFLUENT RESULTS

Analyte	Units	INFLUENT - 2007											
		8/30/07	9/20/07										
Vinyl Chloride	ug/L	210 D	43										
cis-1,2-Dichloroethene	"	190	85										
Aluminum	"	17.0 B	11.4 B										
Arsenic	"		5.1 B										
Barium	"	110 B	107 B										
Calcium	"	98,800	103,000										
Cobalt	"	7.8 B	7.6 B										
Copper	"		1.2 B										
Iron	"	39,800	40,500										
Lead	"		3.5										
Magnesium	"	25,700	28,700										
Manganese	"	2,770	2,650										
Nickel	"	4.9 B	7.3 B										
Potassium	"	4,950 B	9,860										
Selenium	"	20.7	16.9										
Silver	"	3.8 B											
Sodium	"	47,700	69,300										
Thallium	"	11.6	4.1 B										
Vanadium	"	0.81 B	1.8 B										
Zinc	"	3.5 B	1.0 B										

NOTES:
 Data are shown only for detected analytes. Blank cell = below RL for that sampling event
 Analysis by EPA Method OLM 4.3 for volatile organics, and ILM 4.1 (+ mercury) for metals.
 NR - Results of analysis not reported.
 NA - Analysis not performed for indicated analyte.
 D - Analysis performed on diluted sample.
 J - Estimated concentration.
 B - Indicates a "trace" concentration below the reporting limit, and equal to or above the detection limit for the metal.

FORT EDWARD LANDFILL
 SITE #: 5-58-001
 MONTHLY PERFORMANCE MONITORING
 EFFLUENT RESULTS

Analyte	Units	EFFLUENT-2007												Discharge Limit	
		8/30/07	9/20/07												
Vinyl Chloride	ug/L	<10	<10												50
Chloroethane	"	<10	<10												20
Methylene Chloride	"	<10	<10												50
1,1-Dichloroethane	"	<10	<10												30
1,2-Dichloroethane (Total)	"	<10	<10												30
Chloroform	"	<10	<10												150
Bromodichloromethane	"	<10	<10												30
Benzene	"	<10	<10												10
Toluene	"	<10	<10												10
Chlorobenzene	"	<10	<10												10
Ethylbenzene	"	<10	<10												10
Xylenes, Total	"	<10	<10												10
Phenols, Total Phenolics	mg/L	<0.20	<0.20												Monitor
PCB, Aroclor 1016	ug/L	<0.050	NA												0.065
PCB, Aroclor 1221	"	<0.050	NA												0.065
PCB, Aroclor 1242	"	<0.050	NA												0.065
pH	SU	NA	NA												6.0-9.0
Arsenic, Total	ug/L	<4.6	<4.6												150
Barium, Total	"	88.1 B	59.2 B												Monitor
Cadmium, Total	"	<0.10	<0.10												1
Chromium, Total	"	0.38 B	<0.20												210
Cobalt, Total	"	6.7 B	4.0 B												5
Copper, Total	"	5.0 B	6.0 B												24
Iron, Total	"	20,100	9,460												300
Lead, Total	"	1.3 B	4.0												3.2
Mercury, Total	"	<0.010	<0.010												0.8
Nickel, Total	"	6.0 B	6.0 B												9.6 or 96
Vanadium, Total	"	4.1 B	1.5 B												14
Zinc, Total	"	29.0	12.3 B												170
Total Dissolved Solids	mg/L	620	600												500
Total Suspended Solids	"	100	46												50

NOTES:
 Effluent samples collected prior to treatment in polishing pond.
 Data are shown for all analytes for which monitoring requirements have been established. Detected concentrations are shown in bold font.
 Concentrations exceeding discharge limitations are shown in bold font in a shaded cell.
 Analysis by EPA Method OLM 4.3 for volatile organics, SW 8082 (modified) for PCBs, ILM 4.1 (+ mercury) for metals, SM2540 for TDS & TSS, and SM5530 for phenolics.
 J - Estimated concentration. NA - Not analyzed.
 B - Indicates a "trace" concentration below the reporting limit, and equal to or above the detection limit for the metal.

October 9, 2007

Earth Tech
40 British American Boulevard
Latham, NY 12110
Attn: Mr. Stephen Choiniere

RE: Client Project: Fort Edward Landfill, reference number: 99163.02
Lab Project #: F1237

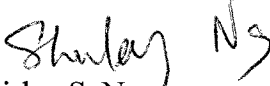
Dear Mr. Choiniere:

Enclosed please find the data report for the analyses of samples associated with the above referenced project.

If you have any questions, please do not hesitate to call me.

We appreciate your business.

Sincerely,


Shirley S. Ng
Project Manager

Mitkem Corporation

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

Project Name : Fort Edward Landfill

SDG : F1237

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
FELF-EFF	F1237-01	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	SEE DATA
FELF-EFF	F1237-01				ILM4.1_ICP_W	
FELF-INF	F1237-02	OLM4.2_VOA_W			ILM4.1_HG_W	
FELF-INF	F1237-02				ILM4.1_ICP_W	
TRIP BLANK	F1237-03	OLM4.2_VOA_W				

Mitkem Corporation

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

Project Name : Fort Edward Landfill

SDG : F1237

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
F1237-01A	AQ	8/30/2007	8/31/2007	NA	9/6/2007
F1237-02A	AQ	8/30/2007	8/31/2007	NA	9/6/2007
F1237-03A	AQ	8/30/2007	8/31/2007	NA	9/6/2007

Mitkem Corporation

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

Project Name : Fort Edward Landfill

SDG : F1237

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8082_W					
F1237-01C	AQ	8/30/2007	8/31/2007	9/4/2007	9/7/2007

Mitkem Corporation

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

Project Name : Fort Edward Landfill

SDG : F1237

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
F1237-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1237-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1237-03A	AQ	OLM4.2_VOA_W	NA	LOW	1

Mitkem Corporation

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

Project Name : Fort Edward Landfill

SDG : F1237

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8082_W					
F1237-01C	AQ	SW8082_W	SW8082_W	Sulfur	1

Mitkem Corporation

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

Project Name : Fort Edward Landfill

SDG : F1237

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
F1237-01D	AQ	ILM4.1_HG_W	8/31/2007	9/24/2007
F1237-02B	AQ	ILM4.1_HG_W	8/31/2007	9/24/2007
ILM4.1_ICP_W				
F1237-01D	AQ	ILM4.1_ICP_W	8/31/2007	9/28/2007
F1237-02B	AQ	ILM4.1_ICP_W	8/31/2007	9/28/2007

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MF1237

Mitkem Work Order ID: F1237

October 9, 2007

Prepared For: Earth Tech
40 British American Boulevard
Latham, NY 12110
Attn: Mr. Stephen Choiniere

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 Earth Tech's Fort Edward Landfill project. Under this deliverable, analysis results are presented for three aqueous samples that were received on August 31, 2007. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category A 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. OLM 4.3 Volatile Analysis:

Trap used for instrument V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

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

Samples were preserved with hydrochloric acid with pH<2.

Surrogate recovery: recoveries were within the QC limits with the exception of bromofluorobenzene in FELF-INF.

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

Sample analysis: sample FELF-INFDL is re-analysis at 2x dilution. No other unusual observation was made for the analysis.

3. PCB Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns

Surrogate recovery: recoveries were within the QC limits.

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

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

4. ILM 4.1 Metals Analysis:

All elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

Samples were preserved with nitric acid with pH<2.

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

Sample analysis: serial dilution was performed on sample FELT-INF. Percent differences were within the QC limits. No other unusual observations were made during sample analysis.

5. Wet Chemistry Analysis:

Sample was preserved with sulfuric acid, pH<2 for Phenols analysis.

Sample was not preserved for Total Dissolved Solids and Total Suspended Solids.

Lab control sample: recoveries were within the QC limits for all analyses.

Matrix spike: matrix spike analysis was performed on sample FELT-EFF for Phenols analysis. Spike recoveries was within the QC limits.

Duplicate: duplicate analyses were performed on sample FELT-EFF for Total Dissolved Solids and Phenols analysis. Percent recoveries were within the QC limits.

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

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

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



Shirley Ng
Project Manager
10/09/07

Client ID: EARTH_NY
 Project: Fort Edward Landfill
 Location:
 Comments: N/A

Case:
 SDG:
 PO: 99163.04

Report Level: ASP-A
 EDD:
 HC Due: 09/28/07
 Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1237-01A	FELF-EFF	08/30/2007 2:15	08/31/2007	Aqueous	OLM4.2_VOA_W	+TIC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1237-01B	FELF-EFF	08/30/2007 2:15	08/31/2007	Aqueous	SM5530_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	J2
F1237-01C	FELF-EFF	08/30/2007 2:15	08/31/2007	Aqueous	SW8082_W	extract 2L to 1mL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	J2
F1237-01D	FELF-EFF	08/30/2007 2:15	08/31/2007	Aqueous	ILM4.1_HG_W	ILM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M6
					ILM4.1_JCP_W	ILM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M6
F1237-01E	FELF-EFF	08/30/2007 2:15	08/31/2007	Aqueous	SM2540_TDS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M6
					SM2540_TSS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M6
F1237-02A	FELF-INF	08/30/2007 2:05	08/31/2007	Aqueous	OLM4.2_VOA_W	+TIC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1237-02B	FELF-INF	08/30/2007 2:05	08/31/2007	Aqueous	ILM4.1_HG_W	ILM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M6
					ILM4.1_JCP_W	ILM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M6
F1237-03A	TRIP BLANK	08/30/2007 0:00	08/31/2007	Aqueous	OLM4.2_VOA_W	+TIC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA



Sample Transmittal Documentation



175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

REPORT TO		INVOICE TO								
COMPANY <i>Earth Tech</i>	PHONE <i>518-951-2200</i>	COMPANY <i>Same</i>	PHONE							
NAME <i>Steve Chainiere</i>	FAX <i>518-951-2300</i>	NAME	FAX							
ADDRESS <i>40 British American Blvd.</i>		ADDRESS								
CITY/ST/ZIP <i>Latham NY 12110</i>	CITY/ST/ZIP									
CLIENT PROJECT NAME: <i>Ft. Edward L.F.</i>	CLIENT PROJECT #: <i>99163.02</i>	CLIENT P.O.#:	LAB PROJECT #: <i>F1237</i>							
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES	COMMENTS
<i>FELF EFF</i>	<i>8/30/07 2:15</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<i>01</i>	<i>8</i>	<i>OLM H3 VOA</i>	
<i>FELF INF</i>	<i>8/30/07 2:05</i>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<i>02</i>	<i>24</i>	<i>TDS / TSS</i>	
<i>Trip Blank</i>	<i>8/30/07 -</i>						<i>03</i>	<i>2</i>	<i>Phenols</i>	
									<i>PCBs</i>	
TSF#	RELINQUISHED BY <i>Steve Day</i>	DATE/TIME <i>8/30/07 12:45</i>	ACCEPTED BY <i>Vernon J. ...</i>		DATE/TIME <i>8/31/07 9:00</i>	ADDITIONAL REMARKS: <i>PC</i>		COOLER TEMP: <i>45</i>		

WHITE: LABORATORY COPY

YELLOW: REPORT COPY

PINK: CLIENT'S COPY

0007

MITKEM CORPORATION
Sample Condition Form

Received By: <u>VGG</u>		Reviewed By: <u>KP</u>		Date: <u>8/3/07</u>		MITKEM Workorder #: <u>F1237</u>	
Client Project: <u>Ft. Edward L.F.</u>				Client: <u>Earth</u>			
		Preservation (pH)				VOA Matrix	Soil Headspace or Air Bubbles $\geq 1/4"$
		Lab Sample ID		HNO ₃	H ₂ SO ₄	HCl	NaOH
1) Cooler Sealed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>F1237</u>	<u>01</u>	<u>L2</u>	<u>L2</u>		<u>H</u>
		<u>F1237</u>	<u>02</u>	<u>L2</u>			<u>H</u>
2) Custody Seal(s) <input checked="" type="checkbox"/> Present / Absent		<u>F1237</u>	<u>03</u>				<u>H</u>
Coolers / Bottles							
<input checked="" type="checkbox"/> Intact / Broken							
3) Custody Seal Number(s) <u>N/A</u>							
4) Chain-of-Custody <input checked="" type="checkbox"/> Present / Absent							
5) Cooler Temperature <u>4°C</u>							
Coolant Condition <u>ICE</u>							
6) Airbill(s) <input checked="" type="checkbox"/> Present / Absent							
Airbill Number(s) <u>FedEx</u>							
<u>8607 0206 1250</u>							
7) Sample Bottles <input checked="" type="checkbox"/> Intact / Broken / Leaking							
8) Date Received <u>8/3/07</u>							
9) Time Received <u>9:00</u>							
Preservative Name/Lot No:							

VOA Matrix Key:

US = Unpreserved Soil A = Air

UA = Unpreserved Aqu. H = HCl

M = MeOH E = Encore

N = NaHSO₄ F = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no



* Volatiles *

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-EFF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0317

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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

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

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

CAS NO.	COMPOUND	UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-EFF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0317

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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

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

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

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FELF-EFF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0317

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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.

FELF-INF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0318

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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

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

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

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	210	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	190	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-INF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0318

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FELF-INF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0318

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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.

FELF-INFDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0333

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/07/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

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

CAS NO.	COMPOUND	UG/L	Q
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl Chloride	210	D
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	20	U
79-20-9	Methyl Acetate	20	U
75-09-2	Methylene Chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl tert-Butyl Ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	180	D
78-93-3	2-Butanone	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
110-82-7	Cyclohexane	20	U
56-23-5	Carbon Tetrachloride	20	U
71-43-2	Benzene	20	U
107-06-2	1,2-Dichloroethane	20	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-INFDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0333

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/07/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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

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

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	20	U
108-87-2	Methylcyclohexane	20	U
78-87-5	1,2-Dichloropropane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	20	U
591-78-6	2-Hexanone	20	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
1330-20-7	Xylene (Total)	20	U
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropylbenzene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FELF-INFDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0333

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/07/07

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

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.

TRIP BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0319

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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

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

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

CAS NO.	COMPOUND	UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0319

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: F1237-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0319

Level: (low/med) LOW Date Received: 08/31/07

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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.

V5PLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: LCS-32101

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0316

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	46	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	44	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

V5PLCS

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: MF1237

Matrix: (soil/water) WATER

Lab Sample ID: LCS-32101

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

Lab File ID: V5I0316

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 09/06/07

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 Ω

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Ω	
79-01-6	Trichloroethene	44	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	49	
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	47	
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

2A
 WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLK5P	106	91	105		0
02	V5PLCS	104	86	106		0
03	FELF-EFF	101	88	101		0
04	FELF-INF	94	81*	101		1
05	TRIP BLANK	106	92	107		0
06	VBLK5R	91	86	88		0
07	FELF-INFDL	97	86	95		0
08	VHBLK5R	92	89	94		0
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)
 SMC2 (BFB) = Bromofluorobenzene (86-115)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

Column to be used to flag recovery values
 * Values outside of contract required QC limits

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix Spike - Sample No.: V5PLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50		46	92	61-145
Benzene	50		44	88	76-127
Trichloroethene	50		44	88	71-120
Toluene	50		49	98	76-125
Chlorobenzene	50		47	94	75-130

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5P

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237
 Lab File ID: V5I0315 Lab Sample ID: MB-32101
 Date Analyzed: 09/06/07 Time Analyzed: 2132
 GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
 Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	V5PLCS	LCS-32101	V5I0316	2159
02	FELF-EFF	F1237-01A	V5I0317	2226
03	FELF-INF	F1237-02A	V5I0318	2252
04	TRIP BLANK	F1237-03A	V5I0319	2319
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5R

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237
 Lab File ID: V5I0332 Lab Sample ID: MB-32105
 Date Analyzed: 09/07/07 Time Analyzed: 1107
 GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
 Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	FELF-INFDL	F1237-02ADL	V5I0333	1136
02	VHBLK5R	VHBLK5R	V5I0334	1202
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5P

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF1237

Matrix: (soil/water) WATER

Lab Sample ID: MB-32101

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

Lab File ID: V5I0315

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 09/06/07

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	<u>Q</u>
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl Chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		10	U
75-35-4	1,1-Dichloroethene		10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
79-20-9	Methyl Acetate		10	U
75-09-2	Methylene Chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
1634-04-4	Methyl tert-Butyl Ether		10	U
75-34-3	1,1-Dichloroethane		10	U
156-59-2	cis-1,2-Dichloroethene		10	U
78-93-3	2-Butanone		10	U
67-66-3	Chloroform		10	U
71-55-6	1,1,1-Trichloroethane		10	U
110-82-7	Cyclohexane		10	U
56-23-5	Carbon Tetrachloride		10	U
71-43-2	Benzene		10	U
107-06-2	1,2-Dichloroethane		10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: MB-32101

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0315

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	<u>UG/L</u> <u>Q</u>
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: MB-32101

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0315

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/06/07

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.

VBLK5R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: MB-32105

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0332

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/07

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

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

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

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: MB-32105

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0332

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/07

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

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

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

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: MB-32105

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0332

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/07

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.

VHBLK5R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5R

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0334

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/07

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

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

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

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5R

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0334

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/07

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

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> <u>Q</u>	
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK5R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5R

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0334

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/07

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.				



** PCB Organics**

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1237
 Matrix: (soil/water) WATER Lab Sample ID: F1237-01C
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: E2G5707F
 % Moisture: _____ decanted: (Y/N) _____ Date Received: 08/31/07
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/06/07
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 09/07/07
 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	0.050	U
11104-28-2-----	Aroclor-1221	0.050	U
11141-16-5-----	Aroclor-1232	0.050	U
53469-21-9-----	Aroclor-1242	0.050	U
12672-29-6-----	Aroclor-1248	0.050	U
11097-69-1-----	Aroclor-1254	0.050	U
11096-82-5-----	Aroclor-1260	0.050	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A2QLCS

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1237
 Matrix: (soil/water) WATER Lab Sample ID: LCS-32097
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: E2G5705F
 % Moisture: _____ decanted: (Y/N) _____ Date Received: _____
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/06/07
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 09/07/07
 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	0.70	
11104-28-2-----	Aroclor-1221	0.050	U
11141-16-5-----	Aroclor-1232	0.050	U
53469-21-9-----	Aroclor-1242	0.050	U
12672-29-6-----	Aroclor-1248	0.050	U
11097-69-1-----	Aroclor-1254	0.050	U
11096-82-5-----	Aroclor-1260	0.67	

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A2QLCSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1237

Matrix: (soil/water) WATER

Lab Sample ID: LCSD-32097

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

Lab File ID: E2G5706F

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

Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted:

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 09/07/07

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	0.76	
11104-28-2-----	Aroclor-1221	0.050	U
11141-16-5-----	Aroclor-1232	0.050	U
53469-21-9-----	Aroclor-1242	0.050	U
12672-29-6-----	Aroclor-1248	0.050	U
11097-69-1-----	Aroclor-1254	0.050	U
11096-82-5-----	Aroclor-1260	0.71	

FORM 2
WATER PCB SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1237

GC Column(1): CLPPEST

ID: 0.53 (mm)

GC Column(2): CLPPESTII

ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
	=====	=====	=====	=====	=====	=====	=====	=====
01	ABLK2Q	42	55	69	74			0
02	A2QLCS	61	72	80	82			0
03	A2QLCSD	66	75	84	87			0
04	FELF-EFF	64	76	76	76			0
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (27-118)

S2 (DCB) = Decachlorobiphenyl (20-129)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

FORM 3
WATER PCB LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1237

Matrix Spike - Sample No.: A2QLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Aroclor-1016	1.0		0.70	70	25-140
Aroclor-1260	1.0		0.67	67	30-145

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Aroclor-1016	1.0	0.76	76	8	30	25-140
Aroclor-1260	1.0	0.71	71	6	30	30-145

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM 4
PCB METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK2Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1237

Lab Sample ID: MB-32097

Lab File ID: E2G5704F

Matrix (soil/water) WATER

Extraction: (SepF/Cont/Sonc) SEPF

Sulfur Cleanup (Y/N) Y

Date Extracted: 09/06/07

Date Analyzed (1): 09/07/07

Date Analyzed (2): 09/07/07

Time Analyzed (1): 1142

Time Analyzed (2): 1142

Instrument ID (1): E2

Instrument ID (2): E2

GC Column (1): CLPPEST ID: 0.53 (mm) GC Column (2): CLPPESTII ID: 0.53 (mm)

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

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	A2QLCS	LCS-32097	09/07/07	09/07/07
02	A2QLCSD	LCSD-32097	09/07/07	09/07/07
03	FELF-EFF	F1237-01C	09/07/07	09/07/07
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK2Q

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1237
 Matrix: (soil/water) WATER Lab Sample ID: MB-32097
 Sample wt/vol: 1000 (g/ml) ML Lab File ID: E2G5704F
 % Moisture: _____ decanted: (Y/N) _____ Date Received: _____
 Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/06/07
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 09/07/07
 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	0.050	U
11104-28-2-----	Aroclor-1221	0.050	U
11141-16-5-----	Aroclor-1232	0.050	U
53469-21-9-----	Aroclor-1242	0.050	U
12672-29-6-----	Aroclor-1248	0.050	U
11097-69-1-----	Aroclor-1254	0.050	U
11096-82-5-----	Aroclor-1260	0.050	U

FORM 8
PCB ANALYTICAL SEQUENCE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1237

GC Column: CLPPEST ID: 0.53 (mm) Init. Calib. Date(s): 08/25/07 08/26/07

Instrument ID: E2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
		TCX: 5.31		DCB: 17.35	
CLIENT	LAB	DATE	TIME	TCX	DCB
SAMPLE NO.	SAMPLE ID	ANALYZED	ANALYZED	RT #	RT #
=====	=====	=====	=====	=====	=====
01	AR12213L2	AR12213L2	08/25/07	1357	5.31 17.36
02	AR12323L2	AR12323L2	08/25/07	1427	5.31 17.36
03	AR12421L2	AR12421L2	08/25/07	1457	5.31 17.36
04	AR12422L2	AR12422L2	08/25/07	1526	5.31 17.36
05	AR12423L2	AR12423L2	08/25/07	1556	5.31 17.36
06	AR12424L2	AR12424L2	08/25/07	1626	5.31 17.36
07	AR12425L2	AR12425L2	08/25/07	1656	5.31 17.35
08	AR12481L2	AR12481L2	08/25/07	1726	5.31 17.36
09	AR12482L2	AR12482L2	08/25/07	1755	5.31 17.36
10	AR12483L2	AR12483L2	08/25/07	1825	5.32 17.36
11	AR12484L2	AR12484L2	08/25/07	1855	5.31 17.36
12	AR12485L2	AR12485L2	08/25/07	1925	5.31 17.35
13	AR12541L2	AR12541L2	08/25/07	1955	5.31 17.36
14	AR12542L2	AR12542L2	08/25/07	2024	5.31 17.35
15	AR12543L2	AR12543L2	08/25/07	2054	5.31 17.35
16	AR12544L2	AR12544L2	08/25/07	2124	5.31 17.35
17	AR12545L2	AR12545L2	08/25/07	2154	5.31 17.35
18	AR16601L2	AR16601L2	08/25/07	2323	5.31 17.35
19	AR16602L2	AR16602L2	08/25/07	2353	5.31 17.35
20	AR16603L2	AR16603L2	08/26/07	0023	5.31 17.36
21	AR16604L2	AR16604L2	08/26/07	0053	5.31 17.35
22	AR16605L2	AR16605L2	08/26/07	0123	5.31 17.35
23	AR16603LQ	AR16603LQ	09/07/07	0856	5.32 17.35
24	ABLK2Q	MB-32097	09/07/07	1142	5.34 17.36
25	A2QLCS	LCS-32097	09/07/07	1212	5.33 17.35
26	A2QLCSD	LCS-32097	09/07/07	1242	5.33 17.35
27	FELF-EFF	F1237-01C	09/07/07	1311	5.33 17.35
28	AR16603LR	AR16603LR	09/07/07	1411	5.33 17.36
29					
30					
31					
32					

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
 DCB = Decachlorobiphenyl (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
 * Values outside of QC limits.

**MITKEM
CORPORATION**

* Metals *

U.S.EPA - CLP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Corporation Contract: 99163.04
Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237
SOW No.: ILM04.1

EPA Sample No. Lab Sample ID
FELF-EFF F1237-01
FELF-INF F1237-02

Were ICP interelement corrections applied? Yes/No YES
Were background corrections applied? Yes/No YES
If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature

Signature: *Dawn E. Smart* Name: *Dawn E. Smart*
Date: *10/3/07* Title: _____

INORGANIC ANALYSIS DATA SHEET

FELF-EFF

Lab Name: Mitkem Corporation Contract: 99163.04
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237
 Matrix (soil/water): WATER Lab Sample ID: F1237-01
 Level (low/med): MED Date Received: 08/31/2007
 % 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	707			P
7440-36-0	Antimony	3.3	U		P
7440-38-2	Arsenic	4.6	U		P
7440-39-3	Barium	88.1	B		P
7440-41-7	Beryllium	0.064	B		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	107000			P
7440-47-3	Chromium	0.38	B		P
7440-48-4	Cobalt	6.7	B		P
7440-50-8	Copper	5.0	B		P
7439-89-6	Iron	20100			P
7439-92-1	Lead	1.3	B		P
7439-95-4	Magnesium	57200			P
7439-96-5	Manganese	932			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	6.0	B		P
7440-09-7	Potassium	4770	B		P
7782-49-2	Selenium	18.2			P
7440-22-4	Silver	6.0	B		P
7440-23-5	Sodium	32700			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	29.0			P

Color Before COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FELF-INF

Lab Name: Mitkem Corporation Contract: 99163.04
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237
 Matrix (soil/water): WATER Lab Sample ID: F1237-02
 Level (low/med): MED Date Received: 08/31/2007
 % 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	17.0	B		P
7440-36-0	Antimony	3.3	U		P
7440-38-2	Arsenic	4.6	U		P
7440-39-3	Barium	110	B		P
7440-41-7	Beryllium	0.040	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	98800			P
7440-47-3	Chromium	0.20	U		P
7440-48-4	Cobalt	7.8	B		P
7440-50-8	Copper	0.30	U		P
7439-89-6	Iron	39800			P
7439-92-1	Lead	1.0	U		P
7439-95-4	Magnesium	25700			P
7439-96-5	Manganese	2770			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	4.9	B		P
7440-09-7	Potassium	4350	B		P
7782-49-2	Selenium	20.7			P
7440-22-4	Silver	3.8	B		P
7440-23-5	Sodium	47700			P
7440-28-0	Thallium	11.6			P
7440-62-2	Vanadium	0.81	B		P
7440-66-6	Zinc	3.5	B		P

Color Before COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments: _____

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L **MB-32373**

FIMS1_070924A

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)				Preparation Blank		M		
		C	1	C	2	C	3	C			
Mercury	0.010	B	-0.042	B	-0.029	B			-0.042	B	

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L **MB-32375**

OPTIMA3_070925B

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Potassium	42.6	U	42.6	U	42.6	U	42.6	U	-25.544	B	
Sodium	20.7	B	20.8	B	19.4	U	19.7	B	14.935	B	

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237Preparation Blank Matrix (soil/water): WATER

Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L**MB-32375****OPTIMA3_070925D**

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	8.4	U	8.4	U	8.4	U	8.4	U	4.507	B	
Arsenic	4.6	U	4.6	U	4.6	U	4.6	U	-3.343	B	
Barium	1.6	B	1.0	B	1.0	B	1.2	B	0.134	B	
Beryllium	0.0	U	0.0	U	0.0	U	0.0	U	-0.016	B	
Cadmium	0.1	U	0.1	U	0.1	U	0.1	U	-0.144	B	
Calcium	65.7	U	65.7	U	65.7	U	65.7	U	43.518	B	
Chromium	0.7	B	0.3	B	0.2	U	0.7	B	0.384	B	
Cobalt	0.4	B	0.3	B	0.3	U	0.3	U	0.198	B	
Copper	0.3	U	-0.4	B	-0.5	B	0.3	U	0.616	B	
Iron	-19.5	B	-16.6	B	-18.0	B	-15.3	B	0.133	B	
Magnesium	5.8	B	8.3	B	7.9	B	9.9	B	-0.762	B	
Manganese	0.6	B	0.2	B	0.2	B	0.3	B	0.974	B	
Nickel	0.3	U	0.3	U	0.3	U	0.3	U	-0.197	B	
Silver	1.5	B	0.7	U	0.7	U	0.7	U	2.324	B	
Thallium	2.3	U	2.3	U	2.3	U	2.3	U	-0.174	B	
Vanadium	0.8	B	0.5	U	0.5	U	0.6	B	0.178	B	
Zinc	-0.4	B	-0.9	B	-0.6	B	-1.0	B	0.477	B	

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L **MB-32375**

OPTIMA3_070927C

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	3.060	B	

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

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

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

OPTIMA3_070927C

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)				Preparation Blank			
		C	1	C	2	C	3	C	C	M
Selenium			4.8	U	4.8	U				

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1237

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L **MB-32375**

OPTIMA3_070928D

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Antimony	3.3	U	3.3	U	3.3	U	3.3	U	1.856	B	
Lead	1.0	U	1.0	U	1.0	U	1.0	U	0.578	B	

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

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

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

OPTIMA3_070928D

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Antimony			3.3	U	3.3	U					
Lead			1.0	U	1.0	U					

U.S. EPA - CLP

7

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1237

Solid LCS Source: _____

LCS(D) ID:

Aqueous LCS Source: _____

LCS-32375

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	9100.0	9201.06	101.1					
Antimony	455.0	473.02	104.0					
Arsenic	455.0	495.20	108.8					
Barium	9100.0	9579.36	105.3					
Beryllium	227.0	236.43	104.2					
Cadmium	227.0	246.94	108.8					
Calcium	22700.0	22400.44	98.7					
Chromium	910.0	933.69	102.6					
Cobalt	2270.0	2362.01	104.1					
Copper	1130.0	1160.91	102.7					
Iron	4550.0	4769.50	104.8					
Lead	455.0	495.44	108.9					
Magnesium	22700.0	23623.84	104.1					
Manganese	2270.0	2365.57	104.2					
Nickel	2270.0	2330.12	102.6					
Potassium	22700.0	23059.80	101.6					
Selenium	455.0	509.77	112.0					
Silver	1130.0	1121.92	99.3					
Sodium	22700.0	23045.99	101.5					
Thallium	455.0	481.97	105.9					
Vanadium	2270.0	2304.13	101.5					
Zinc	2270.0	2358.99	103.9					

U.S. EPA - CLP

9

EPA SAMPLE NO.

ICP SERIAL DILUTIONS

FELF-INF

Lab Name: Mitkem CorporationContract: 99163.04Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: MF1237Matrix (soil/water): WATERLevel (low/med): MED

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

Analyte	Initial Sample		Serial Dilution		%	Q	M
	Result (I)	C	Result (S)	C			
Aluminum	16.97	B	42.00		148		P
Antimony	3.30	U	16.50				P
Arsenic	4.60	U	23.00	U			P
Barium	110.14	B	112.55		2		P
Beryllium	0.04	U	0.20	U			P
Cadmium	0.10	U	0.50	U			P
Calcium	98830.68		96049.32		3		P
Chromium	0.20	U	1.00	U			P
Cobalt	7.83	B	8.02		2		P
Copper	0.30	U	1.50	U			P
Iron	39801.40		42190.44		6		P
Lead	1.00	U	5.00	U			P
Magnesium	25748.49		27543.66		7		P
Manganese	2774.05		2957.04		7		P
Nickel	4.86	B	2.35		52		P
Potassium	4349.65	B	4279.57		2		P
Selenium	20.70		45.49		120		P
Silver	3.82	B	3.50		8		P
Sodium	47736.56		46725.62		2		P
Thallium	11.56		11.50	U	1		P
Vanadium	0.81	B	2.50	U	209		P
Zinc	3.47	B	12.92		272		P

**MITKEM
CORPORATION**

* Wet Chemistry *

Mitkem Corporation

Date: 29-Sep-07

Client: Earth Tech

Client Sample ID: FELF-EFF

Lab ID: F1237-01

Project: Fort Edward Landfill

Collection Date: 08/30/07 2:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS							
Total Dissolved Solids	620		10	mg/L		1 09/05/2007 16:30	32070
TOTAL SUSPENDED SOLIDS							
Total Suspended Solids	100		10	mg/L		1 09/04/2007 16:30	32047
PHENOLS by 4-Aminoantipyrine Method							
Phenolics, Total Recoverable	ND		0.20	mg/L		1 09/27/2007 14:00	32476

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

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

Last Page of Data Report

October 19, 2007

Earth Tech
40 British American Boulevard
Latham, NY 12110
Attn: Mr. Stephen Choiniere

RE: Client Project: Fort Edward Landfill, reference number: 99163.02
Lab Project #: F1358

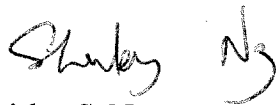
Dear Mr. Choiniere:

Enclosed please find the data report for the analyses of samples associated with the above referenced project.

If you have any questions, please do not hesitate to call me.

We appreciate your business.

Sincerely,



Shirley S. Ng
Project Manager

Mitkem Corporation

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

Project Name : Fort Edward Landfill -- 99163.04

SDG : F1358

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
FELF-EFF	F1358-01	OLM4.2_VOA_W			ILM4.1_HG_W	SEE DATA
FELF-EFF	F1358-01				ILM4.1_ICP_W	
FELF-INF	F1358-02	OLM4.2_VOA_W			ILM4.1_HG_W	
FELF-INF	F1358-02				ILM4.1_ICP_W	
TRIP BLANK	F1358-03	OLM4.2_VOA_W				

Mitkem Corporation

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

Project Name : Fort Edward Landfill -- 99163.04

SDG : F1358

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
F1358-01A	AQ	9/20/2007	9/21/2007	NA	9/24/2007
F1358-02A	AQ	9/20/2007	9/21/2007	NA	9/24/2007
F1358-03A	AQ	9/20/2007	9/21/2007	NA	9/24/2007

Mitkem Corporation

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

Project Name : Fort Edward Landfill -- 99163.04

SDG : F1358

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
F1358-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1358-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1358-03A	AQ	OLM4.2_VOA_W	NA	LOW	1

Mitkem Corporation

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

Project Name : Fort Edward Landfill -- 99163.04

SDG : F1358

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
F1358-01C	AQ	ILM4.1_HG_W	9/21/2007	10/8/2007
F1358-02B	AQ	ILM4.1_HG_W	9/21/2007	10/8/2007
ILM4.1_ICP_W				
F1358-01C	AQ	ILM4.1_ICP_W	9/21/2007	10/19/2007
F1358-02B	AQ	ILM4.1_ICP_W	9/21/2007	10/19/2007

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MF1358

Mitkem Work Order ID: F1358

October 19, 2007

Prepared For: Earth Tech
40 British American Boulevard
Latham, NY 12110
Attn: Mr. Stephen Choiniere

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 Earth Tech's Fort Edward Landfill project. Under this deliverable, analyses results are presented for three aqueous samples that were received on September 21, 2007. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category A 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. OLM 4.3 Volatile Analysis:

Trap used for instrument V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

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

Samples were preserved with hydrochloric acid with pH<2.

Surrogate recovery: recoveries were within the QC limits.

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

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

3. ILM 4.1 Metals Analysis:

All elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 4300DV ICAP.

Samples were preserved with nitric acid with pH<2.

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

Sample analysis: serial dilution was performed on sample FELT-INF. Percent differences were within the QC limits. No unusual observations were made during sample analysis.

4. Wet Chemistry Analysis:

Sample was preserved with sulfuric acid, pH<2 for Phenols analysis.

Sample was not preserved for Total Dissolved Solids and Total Suspended Solids.

Lab control sample: recoveries were within the QC limits for all analyses.

Duplicate: duplicate analyses were performed on sample FELT-EFF for Total Dissolved Solids and Total Suspended Solids analysis. Percent recoveries were within the QC limits.

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

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

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

Handwritten signature of Shirley Ng, consisting of the name 'Shirley' followed by a stylized 'Ng'.

Shirley Ng
Project Manager
10/19/07

Client ID: EARTH_NY
 Project: Fort Edward Landfill
 Location: 99163.04
 Comments: N/A

Case:
 SDG:
 PO: 99163.04

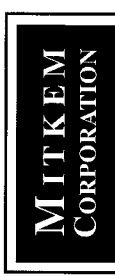
Report Level: ASP-A
 EDD:
 HC Due: 10/19/07
 Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1358-01A	FELF-EFF	09/20/2007 10:50	09/21/2007	Aqueous	OLM4.2_VOA_W	+TIC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1358-01B	FELF-EFF	09/20/2007 10:50	09/21/2007	Aqueous	SM5530_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F4
F1358-01C	FELF-EFF	09/20/2007 10:50	09/21/2007	Aqueous	ILM4.1_HG_W	ILM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M3
					ILM4.1_ICP_W	ILM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M3
F1358-01D	FELF-EFF	09/20/2007 10:50	09/21/2007	Aqueous	SM2540 TDS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F4
					SM2540_TSS		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	F4
F1358-02A	FELF-INF	09/20/2007 11:20	09/21/2007	Aqueous	OLM4.2_VOA_W	+TIC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1358-02B	FELF-INF	09/20/2007 11:20	09/21/2007	Aqueous	ILM4.1_HG_W	ILM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M3
					ILM4.1_ICP_W	ILM	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M3
F1358-03A	TRIP BLANK	09/20/2007 0:00	09/21/2007	Aqueous	OLM4.2_VOA_W	+TIC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA



Sample Transmittal Documentation





175 Metro Center Boulevard
 Warwick, Rhode Island 02886-1755
 (401) 732-3400 • Fax (401) 732-3499
 email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO							
COMPANY	Earth Tech	PHONE	518-951-2200	COMPANY	Same	PHONE				
NAME	Steve Choiniere	FAX	518-951-2300	NAME		FAX				
ADDRESS	40 British American Blvd.			ADDRESS			LAB PROJECT #: F1358			
CITY/ST/ZIP	Latham NY	CLIENT PROJECT #:	99163.02	CITY/ST/ZIP			TURNAROUND TIME:			
CLIENT PROJECT NAME:	Fort Edward LF									
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES	COMMENTS
FELF-EFF	9/29/07 10:50		X	X			01	5	OLM 43 LGA Phehols LM 4.1 TDS / TSS	
FELF-INF	11:20		X	X			02	3		
Trip Blank			X	X			03	2		
/										
/										
/										
/										
/										
/										
/										
/										
TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:				
	Steve Choiniere	9/29/07 12:45	Valencia Quaker	9/21/07 8:45		4C				

MITKEM CORPORATION

Sample Condition Form

Page 1 of

Received By: <u>UEG</u>	Reviewed By: <u>KP</u>	Date: <u>9/2/07</u>	MITKEM Workorder #: <u>F1358</u>				
Client Project: <u>Fort ED L.F.</u>		Client: <u>Earth Tech</u>			Soil Headspace or Air Bubbles $\geq 1/4$ "		
1) Cooler Sealed <u>Yes</u> / No	Lab Sample ID	Preservation (pH)				VOA Matrix	
		HNO ₃	H ₂ SO ₄	HCl	NaOH		
	<u>F1358 01</u>	<u>L2</u>	<u>L2</u>			<u>H</u>	
	<u>F1358 02</u>	<u>L2</u>				<u>H</u>	
2) Custody Seal(s) <u>Present</u> / Absent <u>Coolers</u> / Bottles <u>Intact</u> / Broken	<u>F1358 03</u>					<u>H</u>	
3) Custody Seal Number(s) <u>N/A</u>							
4) Chain-of-Custody <u>Present</u> / Absent							
5) Cooler Temperature <u>4°C</u> Coolant Condition <u>ICE</u>							
6) Airbill(s) <u>Present</u> / Absent Airbill Number(s) <u>FedEx</u> <u>8626 8900 4886</u>							
7) Sample Bottles <u>Intact</u> / Broken / Leaking							
8) Date Received <u>9/2/07</u>							
9) Time Received <u>8:45</u>							
Preservative Name/Lot No:							

VOA Matrix Key:

US = Unpreserved Soil A = Air

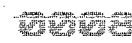
UA = Unpreserved Aqu. H = HCl

M = MeOH E = Encore

N = NaHSO₄ F = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no





* Volatiles *

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-EFF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: F1358-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0891

Level: (low/med) LOW Date Received: 09/21/07

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane		10	U
74-87-3	Chloromethane		10	U
75-01-4	Vinyl Chloride		10	U
74-83-9	Bromomethane		10	U
75-00-3	Chloroethane		10	U
75-69-4	Trichlorofluoromethane		10	U
75-35-4	1,1-Dichloroethene		10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
79-20-9	Methyl Acetate		10	U
75-09-2	Methylene Chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
1634-04-4	Methyl tert-Butyl Ether		10	U
75-34-3	1,1-Dichloroethane		10	U
156-59-2	cis-1,2-Dichloroethene		10	U
78-93-3	2-Butanone		10	U
67-66-3	Chloroform		10	U
71-55-6	1,1,1-Trichloroethane		10	U
110-82-7	Cyclohexane		10	U
56-23-5	Carbon Tetrachloride		10	U
71-43-2	Benzene		10	U
107-06-2	1,2-Dichloroethane		10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-EFF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: F1358-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0891

Level: (low/med) LOW Date Received: 09/21/07

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	<u>UG/L</u>	Q
79-01-6	Trichloroethene		10	U
108-87-2	Methylcyclohexane		10	U
78-87-5	1,2-Dichloropropane		10	U
75-27-4	Bromodichloromethane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
127-18-4	Tetrachloroethene		10	U
591-78-6	2-Hexanone		10	U
124-48-1	Dibromochloromethane		10	U
106-93-4	1,2-Dibromoethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
1330-20-7	Xylene (Total)		10	U
100-42-5	Styrene		10	U
75-25-2	Bromoform		10	U
98-82-8	Isopropylbenzene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
541-73-1	1,3-Dichlorobenzene		10	U
106-46-7	1,4-Dichlorobenzene		10	U
95-50-1	1,2-Dichlorobenzene		10	U
96-12-8	1,2-Dibromo-3-chloropropane		10	U
120-82-1	1,2,4-Trichlorobenzene		10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FELF-EFF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: F1358-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0891

Level: (low/med) LOW Date Received: 09/21/07

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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.

FELF-INF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: F1358-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0897

Level: (low/med) LOW Date Received: 09/21/07

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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

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

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

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	43	
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	85	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-INF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: F1358-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0897

Level: (low/med) LOW Date Received: 09/21/07

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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

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

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

CAS NO.	COMPOUND	UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FELF-INF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: F1358-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0897

Level: (low/med) LOW Date Received: 09/21/07

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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.

TRIP BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: F1358-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0892

Level: (low/med) LOW Date Received: 09/21/07

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: F1358-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0892

Level: (low/med) LOW Date Received: 09/21/07

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: F1358-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0892

Level: (low/med) LOW Date Received: 09/21/07

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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.				

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLK5B	96	88	98		0
02	V5BLCS	97	86	97		0
03	FELF-EFF	98	90	96		0
04	TRIP BLANK	100	91	98		0
05	FELF-INF	97	94	93		0
06	VHBLK5B	97	91	92		0
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)
 SMC2 (BFB) = Bromofluorobenzene (86-115)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358
 Matrix Spike - Sample No.: V5BLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		52	104	61-145
Benzene	50		46	92	76-127
Trichloroethene	50		47	94	71-120
Toluene	50		48	96	76-125
Chlorobenzene	50		48	96	75-130

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5B

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: MF1358

Lab File ID: V5I0889

Lab Sample ID: MB-32383

Date Analyzed: 09/23/07

Time Analyzed: 2347

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

Heated Purge: (Y/N) N

Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	V5BLCS	LCS-32383	V5I0890	0014
02	FELF-EFF	F1358-01A	V5I0891	0040
03	TRIP BLANK	F1358-03A	V5I0892	0107
04	FELF-INF	F1358-02A	V5I0897	0321
05	VHBLK5B	VHBLK5B	V5I0906	0616
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: MB-32383

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0889

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/07

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: MB-32383

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0889

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/07

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: MB-32383

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0889

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/23/07

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.

V5BLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: LCS-32383

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0890

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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

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

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

CAS NO.	COMPOUND	UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	52	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	46	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5BLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: LCS-32383

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0890

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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

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

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

CAS NO.	COMPOUND	UG/L	Q
79-01-6	Trichloroethene	47	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	48	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5B

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0906

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> <u>Q</u>
75-71-8	Dichlorodifluoromethane	10 U
74-87-3	Chloromethane	10 U
75-01-4	Vinyl Chloride	10 U
74-83-9	Bromomethane	10 U
75-00-3	Chloroethane	10 U
75-69-4	Trichlorofluoromethane	10 U
75-35-4	1,1-Dichloroethene	10 U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10 U
67-64-1	Acetone	10 U
75-15-0	Carbon Disulfide	10 U
79-20-9	Methyl Acetate	10 U
75-09-2	Methylene Chloride	10 U
156-60-5	trans-1,2-Dichloroethene	10 U
1634-04-4	Methyl tert-Butyl Ether	10 U
75-34-3	1,1-Dichloroethane	10 U
156-59-2	cis-1,2-Dichloroethene	10 U
78-93-3	2-Butanone	10 U
67-66-3	Chloroform	10 U
71-55-6	1,1,1-Trichloroethane	10 U
110-82-7	Cyclohexane	10 U
56-23-5	Carbon Tetrachloride	10 U
71-43-2	Benzene	10 U
107-06-2	1,2-Dichloroethane	10 U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5B

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0906

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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

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

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

CAS NO.	COMPOUND	UG/L	Q
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U



1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK5B

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5B

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I0906

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/24/07

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.				



**MITKEM
CORPORATION**

* Metals *

INORGANIC ANALYSIS DATA SHEET

FELF-EFF

Lab Name: Mitkem Corporation Contract: 99163.04
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358
 Matrix (soil/water): WATER Lab Sample ID: F1358-01
 Level (low/med): MED Date Received: 09/21/2007
 % 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	172	B		P
7440-36-0	Antimony	3.3	U		P
7440-38-2	Arsenic	4.6	U		P
7440-39-3	Barium	59.2	B		P
7440-41-7	Beryllium	0.040	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	107000			P
7440-47-3	Chromium	0.20	U		P
7440-48-4	Cobalt	4.0	B		P
7440-50-8	Copper	6.0	B		P
7439-89-6	Iron	9460			P
7439-92-1	Lead	4.0			P
7439-95-4	Magnesium	47700			P
7439-96-5	Manganese	427			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	6.0	B		P
7440-09-7	Potassium	4550	B		P
7782-49-2	Selenium	26.1			P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	31600			P
7440-28-0	Thallium	4.4	B		P
7440-62-2	Vanadium	1.5	B		P
7440-66-6	Zinc	12.3	B		P

Color Before COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

INORGANIC ANALYSIS DATA SHEET

FELF-INF

Lab Name: Mitkem Corporation Contract: 99163.04
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358
 Matrix (soil/water): WATER Lab Sample ID: F1358-02
 Level (low/med): MED Date Received: 09/21/2007
 % 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	11.4	B		P
7440-36-0	Antimony	3.3	U		P
7440-38-2	Arsenic	5.1	B		P
7440-39-3	Barium	107	B		P
7440-41-7	Beryllium	0.040	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	103000			P
7440-47-3	Chromium	0.20	U		P
7440-48-4	Cobalt	7.6	B		P
7440-50-8	Copper	1.2	B		P
7439-89-6	Iron	40500			P
7439-92-1	Lead	3.5			P
7439-95-4	Magnesium	28700			P
7439-96-5	Manganese	2650			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	7.3	B		P
7440-09-7	Potassium	9860			P
7782-49-2	Selenium	16.9			P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	69300			P
7440-28-0	Thallium	4.1	B		P
7440-62-2	Vanadium	1.8	B		P
7440-66-6	Zinc	1.0	B		P

Color Before COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L **MB-32643**

FIMS1_071008A

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Mercury	-0.032	B	-0.029	B	-0.031	B	-0.023	B	-0.031	B	

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

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

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

FIMS1_071008A

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank	
		C	1	C	2	C	3	C		M
Mercury			-0.020	B	-0.020	B				

BLANKS

Lab Name: Mitkem CorporationContract: 99163.04Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: MF1358Preparation Blank Matrix (soil/water): WATER

Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L**MB-32640****OPTIMA3_071018B**

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	8.4	U	8.4	U	8.4	U	8.4	U	8.869	B	
Arsenic	4.6	U	4.6	U	4.6	U	4.6	U	-0.252	B	
Barium	0.3	B	0.2	U	0.2	U	0.2	B	0.088	B	
Beryllium	0.0	B	0.0	U	0.0	U	0.0	U	0.001	B	
Cadmium	0.1	U	0.1	U	0.1	U	0.1	U	-0.080	B	
Calcium	65.7	U	65.7	U	65.7	U	65.7	U	32.668	B	
Chromium	0.2	U	0.2	U	-0.3	B	0.2	U	-0.054	B	
Cobalt	0.3	B	0.3	U	0.3	U	0.3	U	0.136	B	
Copper	0.3	U	0.3	U	-0.3	B	-0.4	B	1.291	B	
Iron	5.8	B	7.1	B	2.9	B	7.0	B	12.683	B	
Lead	1.0	U	1.0	U	1.0	U	1.0	U	0.252	B	
Magnesium	4.1	U	4.1	U	4.1	U	4.1	U	0.284	B	
Manganese	0.1	B	0.1	U	0.1	U	0.1	U	0.256	B	
Nickel	0.3	U	0.3	U	0.3	U	0.3	U	0.113	B	
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	-3.148	B	
Silver	8.4	B	-2.2	B	-3.7	B	-3.5	B	2.198	B	
Thallium	2.3	U	2.3	U	2.3	U	2.3	U	2.111	B	
Vanadium	0.5	U	0.5	U	0.5	U	0.5	U	0.356	B	
Zinc	0.2	U	0.2	U	0.2	U	0.2	U	3.136	B	

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L **MB-32640**

OPTIMA3_071018C

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Potassium	71.8	B	42.6	U	42.6	U	42.6	U	-20.271	B	
Sodium	19.4	U	19.4	U	27.3	B	20.2	B	-28.364	B	



U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1358

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L **MB-32640**

OPTIMA3_071019A

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Antimony	3.3	U	3.3	U	3.3	U	3.3	U	0.409	B	

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation

Contract: 99163.04

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: MF1358

Solid LCS Source: _____

LCS(D) ID:

Aqueous LCS Source: _____

LCS-32640

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	9100.0	9314.19	102.4					
Antimony	455.0	508.73	111.8					
Arsenic	455.0	463.07	101.8					
Barium	9100.0	9655.97	106.1					
Beryllium	227.0	236.84	104.3					
Cadmium	227.0	242.87	107.0					
Calcium	22700.0	23023.87	101.4					
Chromium	910.0	938.80	103.2					
Cobalt	2270.0	2357.07	103.8					
Copper	1130.0	1149.66	101.7					
Iron	4550.0	4878.00	107.2					
Lead	455.0	472.63	103.9					
Magnesium	22700.0	23443.75	103.3					
Manganese	2270.0	2376.66	104.7					
Nickel	2270.0	2357.05	103.8					
Potassium	22700.0	23127.25	101.9					
Selenium	455.0	475.74	104.6					
Silver	1130.0	1205.85	106.7					
Sodium	22700.0	23261.97	102.5					
Thallium	455.0	483.81	106.3					
Vanadium	2270.0	2314.99	102.0					
Zinc	2270.0	2362.50	104.1					

ICP SERIAL DILUTIONS

FELF-INF

Lab Name: Mitkem CorporationContract: 99163.04Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: MF1358Matrix (soil/water): WATERLevel (low/med): MEDConcentration Units (ug/L or mg/kg dry weight): ug/L

Analyte	Initial Sample		Serial Dilution		% Difference	Q	M
	Result (I)	C	Result (S)	C			
Aluminum	11.41	B	56.04		391		P
Antimony	3.30		16.50	U			P
Arsenic	5.13	B	23.00		348		P
Barium	106.83	B	113.09		6		P
Beryllium	0.04		0.20				P
Cadmium	0.10	U	0.50	U			P
Calcium	102750.73		103411.57		1		P
Chromium	0.20	U	1.00	U			P
Cobalt	7.59	B	8.72		15		P
Copper	1.20	B	2.43		103		P
Iron	40450.93		42768.38		6		P
Lead	3.47		5.00		44		P
Magnesium	28653.67		30415.13		6		P
Manganese	2650.10		2813.02		6		P
Nickel	7.29	B	8.14		12		P
Potassium	9860.76		10416.29		6		P
Selenium	16.89		35.03		107		P
Silver	0.70	U	3.50	U			P
Sodium	69281.51		72085.33		4		P
Thallium	4.13	B	11.50		179		P
Vanadium	1.77	B	2.50		41		P
Zinc	1.04	B	18.02		1633		P



* Wet Chemistry *

Mitkem Corporation

Date: 29-Sep-07

Client: Earth Tech
Client Sample ID: FELF-EFF
Lab ID: F1358-01

Project: Fort Edward Landfill
Collection Date: 09/20/07 10:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS							
Total Dissolved Solids	600			10 mg/L		1 09/27/2007 15:30	32480
TOTAL SUSPENDED SOLIDS							
Total Suspended Solids	46			10 mg/L		1 09/27/2007 15:30	32481
PHENOLS by 4-Aminoantipyrine Method							
Phenolics, Total Recoverable	ND			0.20 mg/L		1 09/27/2007 14:00	32476

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

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

CLIENT: Earth Tech
 Work Order: F1358
 Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2540_TDS

Sample ID: MB-32480	SampType: MBLK	TestCode: SM2540_TDS	Prep Date: 9/27/2007	Run ID: MANUAL_070927A
Client ID: MB-32480	Batch ID: 32480	Units: mg/L	Analysis Date: 9/27/2007	SeqNo: 697737
Analyte	Result	PQL	SPK Ref Val	%REC
Total Dissolved Solids	ND	10	SPK value	LowLimit HighLimit
			RPD Ref Val	%RPD RPDLimit
				Qual

Sample ID: LCS-32480	SampType: LCS	TestCode: SM2540_TDS	Prep Date: 9/27/2007	Run ID: MANUAL_070927A
Client ID: LCS-32480	Batch ID: 32480	Units: mg/L	Analysis Date: 9/27/2007	SeqNo: 697738
Analyte	Result	PQL	SPK Ref Val	%REC
Total Dissolved Solids	299.0	10	0	98.7
			303.0	80
			0	120
			0	0

Sample ID: F1358-01DDUP	SampType: DUP	TestCode: SM2540_TDS	Prep Date: 9/27/2007	Run ID: MANUAL_070927A
Client ID: FEF-EFF	Batch ID: 32480	Units: mg/L	Analysis Date: 9/27/2007	SeqNo: 697740
Analyte	Result	PQL	SPK Ref Val	%REC
Total Dissolved Solids	599.0	10	0	0
			0	0
			0	0
			0	0
			600.0	0.167
				20

270042

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

CLIENT: Earth Tech
 Work Order: F1358
 Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2540_TSS

Sample ID: MB-32481 SampType: MBLK TestCode: SM2540_TSS Prep Date: 9/27/2007 Run ID: MANUAL_070927B
 Client ID: MB-32481 Batch ID: 32481 Units: mg/L Analysis Date: 9/27/2007 SeqNo: 697741
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Total Suspended Solids ND 10

Sample ID: LCS-32481 SampType: LCS TestCode: SM2540_TSS Prep Date: 9/27/2007 Run ID: MANUAL_070927B
 Client ID: LCS-32481 Batch ID: 32481 Units: mg/L Analysis Date: 9/27/2007 SeqNo: 697742
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Total Suspended Solids 70.00 10 76.30 0 91.7 80 120 0 0 6.32 20

Sample ID: F1358-01DDUP SampType: DUP TestCode: SM2540_TSS Prep Date: 9/27/2007 Run ID: MANUAL_070927B
 Client ID: FELF-EFF Batch ID: 32481 Units: mg/L Analysis Date: 9/27/2007 SeqNo: 697745
 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
 Total Suspended Solids 49.00 10 0 0 0 0 0 46.00 6.32 20



Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
Work Order: F1358
Project: Fort Edward Landfill

TestCode: SM5530_W

Sample ID: MB-32476	SampType: MBLK	TestCode: SM5530_W	Run ID: SPEC2_070927A
Client ID: MB-32476	Batch ID: 32476	Units: mg/L	SeqNo: 697434
Analyte	Result	PQL	SPK value
Phenolics, Total Recoverable	ND	0.20	

Sample ID: LCS-32476	SampType: LCS	TestCode: SM5530_W	Run ID: SPEC2_070927A
Client ID: LCS-32476	Batch ID: 32476	Units: mg/L	SeqNo: 697435
Analyte	Result	PQL	SPK value
Phenolics, Total Recoverable	0.3530	0.20	0.3000
			0
			118
			80
			120
			0



Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits

Last Page of Data Report