EarthTech
A tyco International Ltd. Company

40 British American Blvd.
Latham, NY
12110

P 518.951.2200
F 518.951.2300
www.earthtech.com

January 23, 2008

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: Fourth 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 second quarterly report regarding operations, maintenance and discharge water quality at the facility. The report describes activities during the months of October, November and December 2007.

As of our most recent system inspection on January 21st, the remedial system, although not at full capacity, is operating without any problems. One extraction well (W-1) is online (two are not), and the collection trench is draining to the treatment building under the influence of gravity (rather than being 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. Three of our techs are onsite today to try to clean the discharge line between the effluent collection sump and the polishing pond. We have rented a "water jetter" to accomplish this task.

Sampling Results

Earth Tech conducted its third through fifth monthly sampling of influent and effluent water on October 24, November 19 and December 17, 2007. The samples were submitted to Mitkem Corporation in Warwick, RI for analysis. Effluent samples were analyzed by EPA Method OLM 4.3 for volatile organic compounds (VOCs), SW 8082 (modified) for polychlorinated biphenyls (PCBs), ILM 4.1 (+ mercury) for metals, SM2540 for total dissolved solids (TDS) and total suspended solids (TSS), and SM5530 for phenolics. PCB analysis of system effluent will only be performed on a quarterly basis (the November sample this quarter), as required in the Effluent Limitations and Monitoring Requirements (ELMR). Influent sampes were analyzed for metals and VOCs only. Analytical results for the three sampling dates are summarized on the attached tables. The laboratory analytical reports are also attached.

The aggregate concentration of reported VOCs in the October *influent* sample was approximately 511

ug/L, the highest to date; the November and December samples were non-detect (ND) for VOCs. Perhaps dilution of contaminated groundwater from the only operating extraction well by "clean" collection-trench water was the reason for the ND results. With respect to groundwater standards (Class GA), metals concentrations in the *influent* samples were elevated for arsenic (October sample); iron and manganese (for the three sampling events); selenium (November and December samples); and sodium (for the three sampling events).

The three monthly *effluent* samples met all limitations for VOCs. Although exceedances were noted for iron in all three samples, collection of the November and December effluent samples *after* treatment in the polishing pond resulted in marked decreases in the iron concentrations [during the first three sampling events, there was no outflow from the pond to allow sampling at the discharge point into the feeder canal]. There were no other exceedances in samples collected after the polishing pond treatment. An exceedance of the lead standard was noted in the October sample. The ELMRs for TDS and TSS were exceeded only in the October sample. The attached table presents sample concentrations versus ELMR for all analytes. The October results 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.

October 3rd – Techs disassembled, cleaned, and reassembled one of the four holding tank discharge pumps (P-202), and put pump back online. They also worked on eyewash station and shower pipe repairs.

October 4th – Techs again attempted to remove submersible pump from extraction well 1 (W-1), with no success. Pump was put back online. Installed new, lighter aluminum manhole cover on collection trench sump W-4.

October 23rd – Pulled, cleaned and re-installed submersible pumps in extraction wells W-2 and W-3. Pumps work on "hand," but do not work under PLC control.

October 24th - Collected third round of influent and effluent samples. Installed repaired discharge pump P-203 in treatment building. Techs worked on eyewash station and shower pipe repairs. It now works, but needs additional valve to eliminate leaks when shower is activated.

October 29th – Using different techniques, techs again attempted to remove submersible pump from extraction well 1 (W-1), with no success. Pump was put back online. Will need to mob downhole camera to investigate blockage, or bring in a drilling subcontractor to remove pump when it requires servicing. Techs attempted to remove pump in effluent collection sump W-5 for inspection, but broke pitless adapter (made of PVC) in the process.

Mr. Payson Long
NYSDEC
January 23, 2008

October 30th – Using 2" rental pump, pumped down water in collection sump W-5 in order to access damaged pitless adapter. Repaired damage, reset pump, and restored it to PLC control.

November 19th – Replaced two fuses in pump P-203. Modified effluent sample "port" at Feeder Canal as a "workaround" to apparent varmint damage. Collected influent and effluent samples, including quarterly PCBs (effluent only). Started 9,000 watt generator in treatment building. Battery is dead, but pull cord works. Carburetor sticks open and will need to be disassembled and cleaned.

December 17th – Collected monthly samples. Was able to get manually-controlled building heater to work. Heater controlled by thermostat works fine. Flushed out four holding-tank discharge pumps (P-201 – P-204) with hose and Town water. Noted pressure buildup until obstruction was cleared in each line.

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 Choiniere

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	10/24/07	11/19/07	12/17/07								
Vinyl Chloride	ug/L	210 D	43	170										
trans-1,2-Dichloroethene	"			3 J										
cis-1,2-Dichloroethene	"	190	85	310 D										
Benzene	"			6 J										
Toluene	"			7 J										
Chlorobenzene	"			4 J										
Xylene (total)	"			11										
Aluminum	"	17.0 B	11.4 B	64.6 B	12.2 B									
Arsenic	"		5.1 B	105										
Barium	"	110 B	107 B	286	47.2 B	62.0 B								
Beryllium	"			0.17 B										
Cadmium	"			0.61 B		0.23 B								
Calcium	"	98,800	103,000	117,000	86,200	88,900								
Cobalt	"	7.8 B	7.6 B	11.3 B	5.5 B	4.8 B								
Copper	"		1.2 B	26.6	4.5 B	1.0 B								
Iron	"	39,800	40,500	187,000	15,800	18,200								
Lead	"		3.5	8.6		1.8 B								
Magnesium	"	25,700	28,700	33,500	22,000	22,400								
Manganese	"	2,770	2,650	2,530	2,560	2,550								
Mercury	"				0.062 B									
Nickel	"	4.9 B	7.3 B	11.4 B	4.4 B	5.6 B								
Potassium	"	4,350 B	9,860	15,500	3,320 B	3,480 B								
Selenium	"	20.7	16.9		21.7	10.9								
Silver	"	3.8 B		47.8										
Sodium	"	47,700	69,300	93,500	41,500	45,000								
Thallium	"	11.6	4.1 B		8.5 B	3.3 B								
Vanadium	"	0.81 B	1.8 B	14.0 B	1.6 B	1.2 B								
Zinc	"	3.5 B	1.0 B	7.6 B	6.7 B	2.2 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.
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	10/24/07	11/19/07	12/17/07								
Vinyl Chloride	ug/L	<10	<10	<10	<10	<10								50
Chloroethane	"	<10	<10	<10	<10	<10								20
Methylene Chloride	"	<10	<10	<10	<10	<10								50
1,1-Dichloroethane	"	<10	<10	<10	<10	<10								30
1,2-Dichloroethene (Total)	"	<10	<10	<10	<10	<10								30
Chloroform	"	<10	<10	<10	<10	<10								150
Bromodichloromethane	"	<10	<10	<10	<10	<10								30
Benzene	"	<10	<10	<10	<10	<10								10
Toluene	"	<10	<10	<10	<10	<10								10
Chlorobenzene	"	<10	<10	<10	<10	<10								10
Ethylbenzene	"	<10	<10	<10	<10	<10								10
Xylenes, Total	"	<10	<10	<10	<10	<10								10
Phenols, Total Phenolics	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20								Monitor
PCB, Aroclor 1016	ug/L	<0.050	NA	NA	<0.050	NA								0.065
PCB, Aroclor 1221	"	<0.050	NA	NA	<0.050	NA								0.065
PCB, Aroclor 1242	"	<0.050	NA	NA	<0.050	NA								0.065
pH	SU	NA	NA	NA	7.1	NA								6.0-9.0
Arsenic, Total	ug/L	<4.6	<4.6	15.5	<2.9	<2.9								150
Barium, Total	"	**88.1 B**	**59.2 B**	**141 B**	**45.2 B**	**60.6 B**								Monitor
Cadmium, Total	"	<0.10	<0.10	<0.20	<0.20	<0.20								1
Chromium, Total	"	**0.38 B**	<0.20	**0.68 B**	<0.30	<0.30								210
Cobalt, Total	"	**6.7 B**	**4.0 B**	**3.7 B**	**2.0 B**	**1.6 B**								5
Copper, Total	"	**5.0 B**	**6.0 B**	**11.7 B**	**4.9 B**	**7.3 B**								24
Iron, Total	"	**20,100**	**9,460**	**35,600**	**2,080**	**569**								300
Lead, Total	"	**1.3 B**	**4.0**	**9.4**	<1.1	**1.2 B**								3.2
Mercury, Total	"	<0.010	<0.010	<0.010	0.075 B	<0.020								0.8
Nickel, Total	"	**6.0 B**	**6.0 B**	**7.7 B**	**4.2 B**	**6.0 B**								9.6 or 96
Vanadium, Total	"	**4.1 B**	**1.5 B**	**7.6 B**	**2.7 B**	**1.6 B**								14
Zinc, Total	"	**29.0**	**12.3 B**	**39.8 E**	**20 B**	**23.7**								170
Total Dissolved Solids	mg/L	**620**	**600**	**520**	**370**	**430**								500
Total Suspended Solids	"	**100**	**46**	**78**	<10	<10								50

NOTES:
August, September and October 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 & E - Each indicates an 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.

MITKEM CORPORATION

"Environmental Testing For The New Millennium"

November 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 #: F1547

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

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

Mitkem Corporation

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

Project Name : Fort Edward Landfill **SDG :** F1547

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
FELF-EFF	F1547-01	OLM4.2_VOA_W			ILM4.1_HG_W	SEE DATA
FELF-EFF	F1547-01				ILM4.1_ICP_W	
FELF-INF	F1547-02	OLM4.2_VOA_W			ILM4.1_HG_W	
FELF-INF	F1547-02				ILM4.1_ICP_W	
TRIPBLANK	F1547-03	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 :** F1547

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
F1547-01A	AQ	10/24/2007	10/25/2007	NA	10/25/2007
F1547-02A	AQ	10/24/2007	10/25/2007	NA	10/25/2007
F1547-02ADL	AQ	10/24/2007	10/25/2007	NA	10/25/2007
F1547-03A	AQ	10/24/2007	10/25/2007	NA	10/25/2007

Mitkem Corporation

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

Project Name : Fort Edward Landfill **SDG :** F1547

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
F1547-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1547-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1547-02ADL	AQ	OLM4.2_VOA_W	NA	LOW	1
F1547-03A	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 **SDG :** F1547

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
F1547-01C	AQ	ILM4.1_HG_W	10/25/2007	10/31/2007
F1547-01CDUP	AQ	ILM4.1_HG_W	10/25/2007	10/31/2007
F1547-01CMS	AQ	ILM4.1_HG_W	10/25/2007	10/31/2007
F1547-02B	AQ	ILM4.1_HG_W	10/25/2007	10/31/2007
ILM4.1_ICP_W				
F1547-01C	AQ	ILM4.1_ICP_W	10/25/2007	11/5/2007
F1547-01CDUP	AQ	ILM4.1_ICP_W	10/25/2007	11/5/2007
F1547-01CMS	AQ	ILM4.1_ICP_W	10/25/2007	11/5/2007
F1547-02B	AQ	ILM4.1_ICP_W	10/25/2007	11/5/2007

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MF1547

Mitkem Work Order ID: F1547

November 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, analyses results are presented for three aqueous samples that were received on October 25, 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: due to relatively high concentration of target analytes, sample FELF-INF was re-analyzed at 2X dilution as FELF-INF DL. No other 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.

Matrix spike analysis: matrix spike was performed on sample FELF-EFF. Percent recoveries were within the QC limits with the exception of selenium. This element is flagged with an "N" on the data reporting forms. A post digestion spike was performed and reported.

Duplicate analysis: laboratory duplicate was performed on sample FELF-EFF. Percent RPDs were within the QC limits.

Sample analysis: a serial dilution was performed on sample FELF-EFF. Replicate RPDs were within the QC limits with the exception of zinc. This element is flagged with an "E" on the data reporting forms. No other 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.

Matrix spike analysis: matrix spike analysis was performed on sample FELF-EFF. Spike recovery was within the QC limits.

Duplicate: duplicate analyses were performed on sample FELF-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.

Shirley Ng
Project Manager
11/09/07

Mitkem Corporation

09/Nov/07 16:23

WorkOrder: F1547

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

Case:
SDG:
PO: 99163.04

Report Level: ASP-A
EDD:
HC Due: 11/15/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1547-01A	FELF-EFF	10/24/2007 11:10	10/25/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F1547-01B	FELF-EFF	10/24/2007 11:10	10/25/2007	Aqueous	SM5530_W		☐	☐	☐	D2
F1547-01C	FELF-EFF	10/24/2007 11:10	10/25/2007	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M2
					ILM4.1_ICP_W	ILM	☐	☐	☑	M2
F1547-01D	FELF-EFF	10/24/2007 11:10	10/25/2007	Aqueous	SM2540_TDS		☐	☐	☐	D2
					SM2540_TSS		☐	☐	☐	D2
F1547-02A	FELF-INF	10/24/2007 12:05	10/25/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F1547-02B	FELF-INF	10/24/2007 12:05	10/25/2007	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M2
					ILM4.1_ICP_W	ILM	☐	☐	☑	M2
F1547-03A	TRIPBLANK	10/24/2007 0:00	10/25/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA

Client Rep: Shirley S Ng

Sample Transmittal Documentation

MITKEM CORPORATION

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 ____ of ____

REPORT TO			INVOICE TO		
COMPANY Earth Tech	PHONE 518-951-2200		COMPANY Same	PHONE	LAB PROJECT #: F1547
NAME Steve Choiniere	FAX 518-951-2300		NAME	FAX	
ADDRESS 40 British American Blvd.			ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP Latham NY 12110			CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Fort Edward LF	99163.02	

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: OLM 4.2 VOA	Phenols	ILM4.1	TDS / TSS	COMMENTS
FELF EFF	10/24/07 / 11:10		X	X			01	5	X	X	X	X	
FELF INF	10/24/07 / 12:05		X	X			02	3	X		X		
Trip Blank	10/24/07 / —						03	2	X				
	/												
	/												
	/												
	/												
	/												
	/												
	/												
	/												
	/												

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Roger Gray	10/24/07 2:00	Veronica Gauthreau	10/25/07 9:50		4C
		/		/		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION

Sample Condition Form

Received By: UEG | Reviewed By: KP | Date: 10/25/07 | MITKEM Workorder #: F1547

Client Project: Port Ed Landfill | Client: Earth

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 4°C
Coolant Condition ICE

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx 8601431260347

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 10/25/07

9) Time Received 9:00

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
F1547	01	<2	<2			H	
F1547	02	<2				H	
F1547	03					H	

VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

VOA 10/25/07

See Sample Condition Notification/Corrective Action Form yes (no)

Rad OK yes/ no

MITKEM CORPORATION

* Volatiles *

0008A

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

FELF-EFF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1727

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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.

FELF-EFF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1727

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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
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

EPA SAMPLE NO.

FELF-EFF

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1727

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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.					
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9.					
10.					
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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.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1729

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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	170	
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	3	J
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	220	E
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	6	J
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.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1729

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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

CAS NO.	COMPOUND		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	7	J
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	4	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	11	
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

EPA SAMPLE NO.

FELF-INF

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1729

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.33	7	NJ
2.	2051-61-8	3-CHLOROBIPHENYL	17.81	10	NJ
3.					
4.					
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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.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1731

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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

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	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl Chloride	240	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	4	DJ
1634-04-4	Methyl tert-Butyl Ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	310	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	8	DJ
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.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1731

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	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	10	DJ
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	6	DJ
100-41-4	Ethylbenzene	20	U
1330-20-7	Xylene (Total)	9	DJ
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

EPA SAMPLE NO.

FELF-INFDL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1731

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	11.33	11	NJD
2.	2051-60-7	1,1'-BIPHENYL, 2-CHLORO-	17.81	16	NJD
3.					
4.					
5.					
6.					
7.					
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30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1728

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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.

TRIPBLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1728

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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
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

EPA SAMPLE NO.

TRIPBLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: F1547-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1728

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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.					
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2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKH5	96	91	106		0
02	FELF-EFF	95	95	98		0
03	TRIPBLANK	95	91	103		0
04	FELF-INF	95	95	101		0
05	FELF-INFDL	97	98	100		0
06	VHBLKH5	93	92	105		0
07						
08						
09						
10						
11						
12						
13						
14						
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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

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKH5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Lab File ID: V5I1722 Lab Sample ID: MB-32917

Date Analyzed: 10/25/07 Time Analyzed: 1027

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-EFF	F1547-01A	V5I1727	1242
02	TRIPBLANK	F1547-03A	V5I1728	1331
03	FELF-INF	F1547-02A	V5I1729	1402
04	FELF-INFDL	F1547-02ADL	V5I1731	1455
05	VHBLKH5	VHBLKH5	V5I1732	1522
06				
07				
08				
09				
10				
11				
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30				

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKH5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: MB-32917

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1722

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

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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.

VBLKH5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: MB-32917

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1722

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

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKH5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: MB-32917

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1722

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

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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.					
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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLKH5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: VHBLKH5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1732

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLKH5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: VHBLKH5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1732

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VHBLKH5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

Matrix: (soil/water) WATER Lab Sample ID: VHBLKH5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I1732

Level: (low/med) LOW Date Received: 10/25/07

% Moisture: not dec. _____ Date Analyzed: 10/25/07

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.					
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8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1547

EPA Sample No. (VSTD050##): VSTD050H5 Date Analyzed: 10/25/07

Lab File ID (Standard): V5I1721 Time Analyzed: 0945

Instrument ID: V5 Heated Purge: (Y/N) N

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

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	274918	4.92	1280893	5.92	1021813	8.99
	UPPER LIMIT	549836	5.42	2561786	6.42	2043626	9.49
	LOWER LIMIT	137459	4.42	640447	5.42	510907	8.49
	EPA SAMPLE						
01	VBLKH5	299878	4.92	1472973	5.92	1207751	8.99
02	FELF-EFF	290375	4.92	1349648	5.91	1094426	9.00
03	TRIPBLANK	297948	4.92	1432697	5.91	1156061	9.00
04	FELF-INF	301990	4.92	1402435	5.92	1159053	9.00
05	FELF-INFDL	289134	4.92	1367980	5.91	1103423	9.00
06	VHBLKH5	276589	4.92	1280955	5.91	1054916	9.00
07							
08							
09							
10							
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12							
13							
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16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

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

MITKEM CORPORATION

* Metals *

0029A

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FELF-EFF

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1547

Matrix (soil/water): WATER Lab Sample ID: F1547-01

Level (low/med): MED Date Received: 10/25/2007

% 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	548			P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	15.5			P
7440-39-3	Barium	141	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	116000			P
7440-47-3	Chromium	0.68	B		P
7440-48-4	Cobalt	3.7	B		P
7440-50-8	Copper	11.7	B		P
7439-89-6	Iron	35600			P
7439-92-1	Lead	9.4			P
7439-95-4	Magnesium	20200			P
7439-96-5	Manganese	1640			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	7.7	B		P
7440-09-7	Potassium	5160			P
7782-49-2	Selenium	14.4		N	P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	33000			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	7.6	B		P
7440-66-6	Zinc	39.8		E	P

Color Before GREY Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

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.: MF1547

Matrix (soil/water): WATER Lab Sample ID: F1547-02

Level (low/med): MED Date Received: 10/25/2007

% 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	64.6	B		P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	105			P
7440-39-3	Barium	286			P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.61	B		P
7440-70-2	Calcium	117000			P
7440-47-3	Chromium	0.30	U		P
7440-48-4	Cobalt	11.3	B		P
7440-50-8	Copper	26.6			P
7439-89-6	Iron	187000			P
7439-92-1	Lead	8.6			P
7439-95-4	Magnesium	33500			P
7439-96-5	Manganese	2530			P
7439-97-6	Mercury	0.010	U		CV
7440-02-0	Nickel	11.4	B		P
7440-09-7	Potassium	15500			P
7782-49-2	Selenium	4.8	U	N	P
7440-22-4	Silver	47.8			P
7440-23-5	Sodium	93500			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	14.0	B		P
7440-66-6	Zinc	7.6	B	E	P

Color Before BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW 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.: MF1547

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-33017**

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

FIMS1_071031A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	-0.022	B	-0.024	B	-0.022	B			-0.026	B	

3

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1547

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-33013**

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

OPTIMA3_071105A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	40.1	U	40.1	U	40.1	U	40.1	U	44.770	B	
Sodium	34.8	U	34.8	U	34.8	U	34.8	U	134.691	B	

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1547

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-33013**

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

OPTIMA3_071105B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	9.2	U	13.3	B	9.2	U	11.6	B	50.268	B	
Antimony	2.6	U	2.8	B	2.6	U	2.6	U	1.143	B	
Arsenic	2.9	U	2.9	U	2.9	U	2.9	U	-0.193	B	
Barium	0.3	B	1.0	B	0.9	B	1.0	B	11.510	B	
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.256	B	
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	0.160	B	
Calcium	78.6	U	78.6	U	78.6	U	78.6	U	150.499	B	
Chromium	0.3	U	0.3	U	0.3	U	0.3	U	1.504	B	
Cobalt	0.2	U	0.4	B	0.3	B	0.2	B	2.707	B	
Copper	1.0	U	1.1	B	1.0	U	1.0	U	3.279	B	
Iron	4.7	B	21.7	B	19.0	B	23.5	B	68.234	B	
Lead	1.1	U	1.1	U	1.1	U	1.1	U	1.676	B	
Magnesium	4.6	B	18.8	B	7.2	B	17.1	B	70.781	B	
Manganese	0.2	B	0.4	B	0.4	B	0.3	B	4.708	B	
Nickel	0.3	U	0.3	U	0.3	U	0.3	U	2.640	B	
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	0.688	B	
Silver	1.0	B	0.9	B	0.5	U	0.5	U	2.670	B	
Thallium	2.9	U	3.2	B	2.9	U	2.9	U	0.913	B	
Vanadium	0.4	U	0.4	U	0.4	U	0.4	U	2.656	B	
Zinc	0.2	U	0.4	B	0.3	B	0.3	B	3.366	B	

BLANKS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1547

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

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

OPTIMA3_071105B

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

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

FELF-EFFS

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1547

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2400.6906		548.3438		2000.00	92.6		P
Antimony	75-125	112.9443		2.6000	U	100.00	112.9		P
Arsenic	75-125	51.8351		15.5419		40.00	90.7		P
Barium	75-125	2234.2148		141.3174	B	2000.00	104.6		P
Beryllium	75-125	52.2885		0.1000	U	50.00	104.6		P
Cadmium	75-125	4.8298	B	0.2000	U	5.00	96.6		P
Chromium	75-125	207.4825		0.6819	B	200.00	103.4		P
Cobalt	75-125	534.1882		3.7102	B	500.00	106.1		P
Copper	75-125	272.9887		11.7207	B	250.00	104.5		P
Iron		35906.9958		35641.0088		1000.00	26.6		P
Lead	75-125	30.6980		9.3592		20.00	106.7		P
Manganese	75-125	2138.9543		1641.5804		500.00	99.5		P
Nickel	75-125	530.7897		7.7246	B	500.00	104.6		P
Selenium	75-125	37.0576		14.3563		10.00	227.0	N	P
Silver	75-125	57.4501		1.4412	B	50.00	112.0		P
Thallium	75-125	55.2436		2.9000	U	50.00	110.5		P
Vanadium	75-125	518.5050		7.6256	B	500.00	102.2		P
Zinc	75-125	552.2996		39.8350		500.00	102.5		P
Mercury	75-125	0.9365		0.0100	U	1.00	93.6		CV

Comments:

U.S. EPA - CLP

5B

EPA SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

FELF-EFFA

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1547

Matrix (soil/water): WATER Level (low/med): MED

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

Analyte	Control Limit %R	Spike Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Selenium		43.84		14.36		30.0	98		P

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

FELF-EFFD

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1547

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200.0	548.3438		430.3070		24.1		P
Antimony		2.6000	U	2.6000	U			P
Arsenic	10.0	15.5419		15.0629		3.1		P
Barium		141.3174	B	144.1062	B	2		P
Beryllium		0.1000	U	0.1000	U			P
Cadmium		0.2000	U	0.2000	U			P
Calcium		116474.9293		120105.3475		3.1		P
Chromium		0.6819	B	0.5504	B	21.3		P
Cobalt		3.7102	B	3.5134	B	5.4		P
Copper		11.7207	B	10.8583	B	7.6		P
Iron		35641.0088		36432.7884		2.2		P
Lead	3.0	9.3592		8.7338		6.9		P
Magnesium	5000.0	20193.3223		20725.6820		2.6		P
Manganese		1641.5804		1683.3604		2.5		P
Nickel		7.7246	B	6.8387	B	12.2		P
Potassium	5000.0	5162.9504		5298.1936		2.6		P
Selenium	5.0	14.3563		19.2668		29.2		P
Silver		1.4412	B	1.4555	B	1		P
Sodium		32995.5754		34052.3915		3.2		P
Thallium		2.9000	U	2.9000	U			P
Vanadium		7.6256	B	7.2499	B	5.1		P
Zinc	20.0	39.8350		37.3665		6.4		P
Mercury		0.0100	U	0.0100	U			CV

7

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1547

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-33013**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9138.30	100.4						
Antimony	455.0	510.53	112.2						
Arsenic	455.0	464.17	102.0						
Barium	9100.0	9652.79	106.1						
Beryllium	227.0	237.92	104.8						
Cadmium	227.0	240.75	106.1						
Calcium	22700.0	22983.14	101.2						
Chromium	910.0	931.99	102.4						
Cobalt	2270.0	2353.16	103.7						
Copper	1130.0	1154.15	102.1						
Iron	4550.0	4774.86	104.9						
Lead	455.0	471.69	103.7						
Magnesium	22700.0	23495.15	103.5						
Manganese	2270.0	2378.29	104.8						
Nickel	2270.0	2352.19	103.6						
Potassium	22700.0	23831.71	105.0						
Selenium	455.0	488.61	107.4						
Silver	1130.0	1170.95	103.6						
Sodium	22700.0	23585.54	103.9						
Thallium	455.0	485.19	106.6						
Vanadium	2270.0	2327.37	102.5						
Zinc	2270.0	2353.82	103.7						

9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

FELF-EFF

Lab Name: Mitkem Corporation Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1547

Matrix (soil/water): WATER Level (low/med): MED

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

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	548.34		595.73		9		P
Antimony	2.60	U	13.00	U			P
Arsenic	15.54		14.50		7		P
Barium	141.32	B	149.86		6		P
Beryllium	0.10		0.50	U			P
Cadmium	0.20	U	1.00	U			P
Calcium	116474.93		118021.08		1		P
Chromium	0.68	B	1.50	U	121		P
Cobalt	3.71	B	4.56		23		P
Copper	11.72	B	15.06		29		P
Iron	35641.01		37971.25		7		P
Lead	9.36		12.93		38		P
Magnesium	20193.32		21770.54		8		P
Manganese	1641.58		1759.45		7		P
Nickel	7.72	B	7.73		0		P
Potassium	5162.95		5142.96		0		P
Selenium	14.36		50.80		254		P
Silver	1.44	B	2.50		74		P
Sodium	32995.58		33627.86		2		P
Thallium	2.90	U	14.50	U			P
Vanadium	7.63	B	7.96		4		P
Zinc	39.84		44.80		12	E	P

MITKEM CORPORATION

* Wet Chemistry *

0040A

Mitkem Corporation

Date: *01-Nov-07*

Client: Earth Tech
Client Sample ID: FELF-EFF
Lab ID: F1547-01

Project: Fort Edward Landfill
Collection Date: 10/24/07 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS				**SM2540_TDS**			
Total Dissolved Solids	520		10	mg/L	1	10/29/2007 14:40	32993
TOTAL SUSPENDED SOLIDS				**SM2540_TSS**			
Total Suspended Solids	78		10	mg/L	1	10/29/2007 14:40	32994
PHENOLS by 4-Aminoantipyrine Method				**SM5530_W**			
Phenolics, Total Recoverable	ND		0.20	mg/L	1	10/29/2007 10:20	32985

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Corporation

Date: *01-Nov-07*

CLIENT: Earth Tech
Work Order: F1547
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2540_TDS

Sample ID: **MB-32993** SampType: **MBLK** TestCode: **SM2540_TDS** Prep Date: **10/29/2007** Run ID: **MANUAL_071029A**
Client ID: **MB-32993** Batch ID: **32993** Units: **mg/L** Analysis Date: **10/29/2007** SeqNo: **713521**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	10									

Sample ID: **LCS-32993** SampType: **LCS** TestCode: **SM2540_TDS** Prep Date: **10/29/2007** Run ID: **MANUAL_071029A**
Client ID: **LCS-32993** Batch ID: **32993** Units: **mg/L** Analysis Date: **10/29/2007** SeqNo: **713520**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	729.0	10	742.0	0	98.2	80	120	0			

Sample ID: **F1547-01DDUP** SampType: **DUP** TestCode: **SM2540_TDS** Prep Date: **10/29/2007** Run ID: **MANUAL_071029A**
Client ID: **FELF-EFF** Batch ID: **32993** Units: **mg/L** Analysis Date: **10/29/2007** SeqNo: **713519**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	511.0	10	0	0	0	0	0	518.0	1.36	20	

0042

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: F1547
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2540_TSS

Sample ID: MB-32994	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 10/29/2007	Run ID: MANUAL_071029B
Client ID: MB-32994	Batch ID: 32994	Units: mg/L	Analysis Date: 10/29/2007	SeqNo: 713527

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-32994	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 10/29/2007	Run ID: MANUAL_071029B
Client ID: LCS-32994	Batch ID: 32994	Units: mg/L	Analysis Date: 10/29/2007	SeqNo: 713526

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	52.00	10	56.80	0	91.5	80	120	0			

Sample ID: F1547-01DDUP	SampType: DUP	TestCode: SM2540_TSS	Prep Date: 10/29/2007	Run ID: MANUAL_071029B
Client ID: FELF-EFF	Batch ID: 32994	Units: mg/L	Analysis Date: 10/29/2007	SeqNo: 713523

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	76.00	10	0	0	0	0	0	78.00	2.6	20	

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: F1547
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM5530_W

Sample ID: MB-32985	SampType: MBLK	TestCode: SM5530_W		Prep Date: 10/29/2007		Run ID: SPEC2_071029A					
Client ID: MB-32985	Batch ID: 32985	Units: mg/L		Analysis Date: 10/29/2007		SeqNo: 713238					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	0.20									

Sample ID: LCS-32985	SampType: LCS	TestCode: SM5530_W		Prep Date: 10/29/2007		Run ID: SPEC2_071029A					
Client ID: LCS-32985	Batch ID: 32985	Units: mg/L		Analysis Date: 10/29/2007		SeqNo: 713237					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.2870	0.20	0.3000	0	95.7	80	120	0			

Sample ID: F1547-01BMS	SampType: MS	TestCode: SM5530_W		Prep Date: 10/29/2007		Run ID: SPEC2_071029A					
Client ID: FELF-EFF	Batch ID: 32985	Units: mg/L		Analysis Date: 10/29/2007		SeqNo: 713235					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.8870	0.20	1.000	0	88.7	75	125	0			

Sample ID: F1547-01BDUP	SampType: DUP	TestCode: SM5530_W		Prep Date: 10/29/2007		Run ID: SPEC2_071029A					
Client ID: FELF-EFF	Batch ID: 32985	Units: mg/L		Analysis Date: 10/29/2007		SeqNo: 713234					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	0.20	0	0	0	0	0	0	200	20	

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

Last Page of Data Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

December 18, 2007

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

RE: Client Project: Fort Edward Landfill, reference number: 99163.04
Lab Project #: F1704

Dear Mr. Choiniere:

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

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

We appreciate your business.

Sincerely,

Shirley S. Ng
Project Manager

175 Metro Center Boulevard • Warwick, Rhode Island 02886-1755 • 401-732-3400 • Fax 401-732-3499
www.mitkem.com

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** F1704

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
FELF-EFF	F1704-01	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	SEE DATA
FELF-EFF	F1704-01				ILM4.1_ICP_W	
FELF-INF	F1704-02	OLM4.2_VOA_W			ILM4.1_HG_W	
FELF-INF	F1704-02				ILM4.1_ICP_W	
TRIPBLANK	F1704-03	OLM4.2_VOA_W				

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** F1704

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
F1704-01A	AQ	11/19/2007	11/20/2007	NA	11/26/2007
F1704-02A	AQ	11/19/2007	11/20/2007	NA	11/26/2007
F1704-03A	AQ	11/19/2007	11/20/2007	NA	11/26/2007

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** F1704

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8082_W					
F1704-01B	AQ	11/19/2007	11/20/2007	11/26/2007	12/5/2007

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** F1704

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
F1704-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1704-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1704-03A	AQ	OLM4.2_VOA_W	NA	LOW	1

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** F1704

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8082_W					
F1704-01B	AQ	SW8082_W	SW8082_W	Sulfue	1

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** F1704

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
F1704-01D	AQ	ILM4.1_HG_W	11/20/2007	11/27/2007
F1704-02B	AQ	ILM4.1_HG_W	11/20/2007	11/27/2007
ILM4.1_ICP_W				
F1704-01D	AQ	ILM4.1_ICP_W	11/20/2007	11/27/2007
F1704-02B	AQ	ILM4.1_ICP_W	11/20/2007	11/27/2007

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MF1704

Mitkem Work Order ID: F1704

December 18, 2007

Prepared For:

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

Prepared By:

Mitkem Laboratories
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 November 20, 2007. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID, along with.

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.

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

3. PCB Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception of tetrachloro-m-xylene and decachlorobiphenyl in the rear column of sample FELF-EFF and method blank ABLK1V.

Lab control sample/lab control sample duplicate: spike recoveries and replicate RPDs 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 FELF-INF. Percent differences were within the QC limits. No other unusual observations were made during sample analysis.

5. Wet Chemistry Analysis:

Lab control sample: spike recoveries were within the QC limits for phenol, total dissolved solids and total suspended solids.

Duplicate analysis: duplicate analyses were performed on sample FELF-EFF for Total dissolved solids and total suspended solids. Replicate RPDs were within the QC limits.

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

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

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

Shirley Ng
Project Manager
12/18/07

Mitkem Laboratories | *12/Dec/07 9:46* | **WorkOrder: F1704**

Client ID: EARTH_NY
Project: Fort Edward Landfill
Location:
Comments: under contract D004445-18-19-20-21-MIT-01

Case:
SDG:
PO: 99163.04

Report Level: ASP-A
EDD:
HC Due: 12/11/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1704-01A	FELF-EFF	11/19/2007 10:20	11/20/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F1704-01B	FELF-EFF	11/19/2007 10:20	11/20/2007	Aqueous	SW8082_W	extract 2L to 1mL	☐	☐	☐	I4
F1704-01C	FELF-EFF	11/19/2007 10:20	11/20/2007	Aqueous	SM5530_W		☐	☐	☐	I4
F1704-01D	FELF-EFF	11/19/2007 10:20	11/20/2007	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
F1704-01E	FELF-EFF	11/19/2007 10:20	11/20/2007	Aqueous	SM2540_TDS		☐	☐	☐	I4
					SM2540_TSS		☐	☐	☐	I4
F1704-02A	FELF-INF	11/19/2007 11:45	11/20/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F1704-02B	FELF-INF	11/19/2007 11:45	11/20/2007	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
F1704-03A	TRIPBLANK	11/19/2007 0:00	11/20/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA

Client Rep: Shirley S Ng

Sample Transmittal Documentation

MITKEM CORPORATION

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	LAB PROJECT #: F1404
NAME Steve Chainiere	FAX 518-951-2300		NAME	FAX	
ADDRESS 40 British American Blvd.			ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP Latham NY 12110			CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Ft. Edward L.F.	99163.02	

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	OLM 4.2 VOA	Phenol 2	ILM 4.1	TDS	TSS	PCB's	COMMENTS
FELF EFF	11/19/07 10:20		X	X			01		X	X	X	X	X		
FELF INF	11/19/07 11:45		X	X			02		X		X				
Trip Blank	11/19/07 —			X			03								
	/														
	/														
	/														
	/														
	/														
	/														
	/														
	/														
	/														

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME
	Steve Guy	11/19/07 1:35		11/20/07 8:35
		/		/
		/		/

ADDITIONAL REMARKS:

COOLER TEMP: 4°C

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
Sample Condition Form

Received By: VEG | Reviewed By: KP | Date: 11/20/07 | MITKEM Workorder #: F1704

Client Project: Fort Ed Landfill | Client: Earth

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 4°C
Coolant Condition ICE

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx
8639 3085 5366

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 11/20/07

9) Time Received 8:35

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
F1704	01	<2	<2			H	
F1704	02	<2				H	
F1704	03					H	

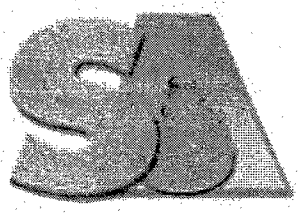
VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / (no)

Rad OK yes/ no

MITKEM LABORATORIES



* Volatiles *

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-EFF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: F1704-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2563

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-EFF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: F1704-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2563

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FELF-EFF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: F1704-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2563

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-INF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: F1704-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2561

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

FELF-INF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: F1704-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2561

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FELF-INF

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: F1704-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2561

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: F1704-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2562

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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.

TRIPBLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: F1704-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2562

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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
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

EPA SAMPLE NO.

TRIPBLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: F1704-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2562

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKQ5	99	100	94		0
02	FELF-INF	99	103	94		0
03	TRIPBLANK	100	103	102		0
04	FELF-EFF	99	101	96		0
05	VHBLKQ5	95	98	99		0
06						
07						
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	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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKQ5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Lab File ID: V5I2552 Lab Sample ID: MB-33432

Date Analyzed: 11/26/07 Time Analyzed: 1058

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-INF	F1704-02A	V5I2561	1526
02	TRIPBLANK	F1704-03A	V5I2562	1554
03	FELF-EFF	F1704-01A	V5I2563	1620
04	VHBLKQ5	VHBLKQ5	V5I2568	1836
05				
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COMMENTS: _____

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: VBLKQ5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: MB-33432

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2552

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

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKQ5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: MB-33432

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2552

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

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKQ5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: MB-33432

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2552

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

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKQ5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: VHBLKQ5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2568

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKQ5

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: VHBLKQ5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2568

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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
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

EPA SAMPLE NO.

VHBLKQ5

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: VHBLKQ5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I2568

Level: (low/med) LOW Date Received: 11/20/07

% Moisture: not dec. _____ Date Analyzed: 11/26/07

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.					

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1704

EPA Sample No. (VSTD050##): VSTD050Q5 Date Analyzed: 11/26/07

Lab File ID (Standard): V5I2551 Time Analyzed: 1031

Instrument ID: V5 Heated Purge: (Y/N) N

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

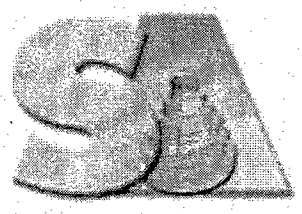
		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	192224	4.92	906160	5.92	725293	9.00
	UPPER LIMIT	384448	5.42	1812320	6.42	1450586	9.50
	LOWER LIMIT	96112	4.42	453080	5.42	362647	8.50
	EPA SAMPLE						
01	VBLKQ5	193159	4.92	879346	5.92	712690	9.00
02	FELF-INF	159415	4.92	730376	5.92	573868	9.01
03	TRIPBLANK	154961	4.93	728805	5.92	571536	9.01
04	FELF-EFF	162980	4.91	732429	5.91	590747	9.00
05	VHBLKQ5	154923	4.92	665627	5.92	546342	9.01
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

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

MITKEM
LABORATORIES



* PCB Organics *

FORM I

PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: F1704-01B

Sample wt/vol: 2000 (g/ml) ML Lab File ID: E1G2605F

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/20/07

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/26/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 12/05/07

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 I

PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A1VLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: LCS-33426

Sample wt/vol: 2000 (g/ml) ML Lab File ID: E1G2603F

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

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/26/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 12/05/07

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	0.23	
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	0.27	

FORM I

PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A1VLCSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: LCSD-33426

Sample wt/vol: 2000 (g/ml) ML Lab File ID: E1G2604F

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

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/26/07

Concentrated Extract Volume: 1000(uL) Date Analyzed: 12/05/07

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	0.23	
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	0.28	

FORM 2

WATER PCB SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

GC Column(1): CLPPESTII ID: 0.32 (mm) GC Column(2): CLPPEST ID: 0.32 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	A1VLCS	74	80	86	105			0
02	A1VLCSD	75	80	88	107			0
03	FELF-EFF	64	6*	62	7*			2
04	ABLK1V	105	11*	96	11*			2
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

WATER PCB LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Matrix Spike - Sample No.: A1VLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Aroclor-1016	0.20		0.23	115	25-140
Aroclor-1260	0.20		0.27	135	30-145

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.20	0.23	115	0	30	25-140
Aroclor-1260	0.20	0.28	140	4	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 CLIENT SAMPLE NO.

PCB METHOD BLANK SUMMARY

ABLK1V

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Lab Sample ID: MB-33426 Lab File ID: E1G2606F

Matrix (soil/water) WATER Extraction: (SepF/Cont/Sonc) SEPF

Sulfur Cleanup (Y/N) Y Date Extracted: 11/26/07

Date Analyzed (1): 12/05/07 Date Analyzed (2): 12/05/07

Time Analyzed (1): 1050 Time Analyzed (2): 1050

Instrument ID (1): E1 Instrument ID (2): E1

GC Column (1): CLPPESTII ID: 0.32(mm) GC Column (2): CLPPEST ID: 0.32(mm)

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

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	A1VLCS	LCS-33426	12/05/07	12/05/07
02	A1VLCSD	LCSD-33426	12/05/07	12/05/07
03	FELF-EFF	F1704-01B	12/05/07	12/05/07
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 I

PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK1V

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Matrix: (soil/water) WATER Lab Sample ID: MB-33426

Sample wt/vol: 2000 (g/ml) ML Lab File ID: E1G2606F

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

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:11/26/07

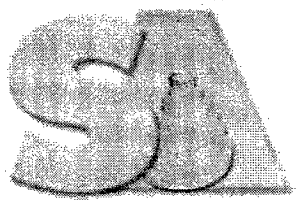
Concentrated Extract Volume: 1000(uL) Date Analyzed: 12/05/07

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

MITKEM LABORATORIES



* Metals *

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FELF-EFF

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Matrix (soil/water): WATER Lab Sample ID: F1704-01

Level (low/med): MED Date Received: 11/20/2007

% 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	317			P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	2.9	U		P
7440-39-3	Barium	45.2	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	79400			P
7440-47-3	Chromium	0.30	U		P
7440-48-4	Cobalt	2.0	B		P
7440-50-8	Copper	4.9	B		P
7439-89-6	Iron	2080			P
7439-92-1	Lead	1.1	U		P
7439-95-4	Magnesium	21400			P
7439-96-5	Manganese	30.5			P
7439-97-6	Mercury	0.075	B		CV
7440-02-0	Nickel	4.2	B		P
7440-09-7	Potassium	7830			P
7782-49-2	Selenium	17.7			P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	17600			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	2.7	B		P
7440-66-6	Zinc	20.0	B		P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FELF-INF

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Matrix (soil/water): WATER Lab Sample ID: F1704-02

Level (low/med): MED Date Received: 11/20/2007

% 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	12.2	B		P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	2.9	U		P
7440-39-3	Barium	47.2	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	86200			P
7440-47-3	Chromium	0.30	U		P
7440-48-4	Cobalt	5.5	B		P
7440-50-8	Copper	4.5	B		P
7439-89-6	Iron	15800			P
7439-92-1	Lead	1.1	U		P
7439-95-4	Magnesium	22000			P
7439-96-5	Manganese	2560			P
7439-97-6	Mercury	0.062	B		CV
7440-02-0	Nickel	4.4	B		P
7440-09-7	Potassium	3320	B		P
7782-49-2	Selenium	21.7			P
7440-22-4	Silver	0.50	U		P
7440-23-5	Sodium	41500			P
7440-28-0	Thallium	8.5	B		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	6.7	B		P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-33444**

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

FIMS1_071127D

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.096	B	0.101	B	0.096	B	0.107	B	0.101	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-33443**

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

OPTIMA3_071126E

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	40.1	U	40.1	U	40.1	U			37.528	B	
Sodium	34.8	U	34.8	U	34.8	U			40.910	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-33443**

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

OPTIMA3_071127B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	9.2	U	9.2	U	9.2	U	9.2	U	11.811	B	
Antimony	2.6	U	2.6	U	2.6	U	2.6	U	1.564	B	
Arsenic	2.9	U	2.9	U	2.9	U	2.9	U	0.813	B	
Barium	0.5	B	0.5	B	0.2	B	0.2	U	0.227	B	
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.026	B	
Cadmium	0.2	B	0.2	U	0.2	U	0.2	U	0.229	B	
Calcium	78.6	U	78.6	U	78.6	U	78.6	U	75.103	B	
Chromium	0.3	U	0.3	U	-0.3	B	0.3	U	-0.162	B	
Cobalt	0.3	B	0.2	U	0.2	U	0.2	U	0.121	B	
Copper	2.2	B	1.2	B	2.2	B	1.7	B	5.122	B	
Iron	2.2	U	4.5	B	3.5	B	10.6	B	46.993	B	
Lead	1.3	B	1.1	U	1.1	U	1.1	U	0.248	B	
Magnesium	3.4	U	3.4	U	3.4	U	3.4	U	1.734	B	
Manganese	0.1	B	0.1	U	0.1	U	0.1	U	5.667	B	
Nickel	0.3	U	0.3	U	0.3	U	0.3	U	0.155	B	
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	1.320	B	
Silver	1.4	B	0.8	B	0.8	B	0.5	U	4.895	B	
Thallium	2.9	U	2.9	U	2.9	U	2.9	U	1.757	B	
Vanadium	0.6	B	0.8	B	0.4	U	1.0	B	0.568	B	
Zinc	0.4	B	0.5	B	0.2	U	0.2	B	2.279	B	

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-33443

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	8848.11	97.2						
Antimony	455.0	516.66	113.6						
Arsenic	455.0	466.52	102.5						
Barium	9100.0	8998.35	98.9						
Beryllium	227.0	232.40	102.4						
Cadmium	227.0	251.48	110.8						
Calcium	22700.0	22102.84	97.4						
Chromium	910.0	893.93	98.2						
Cobalt	2270.0	2285.30	100.7						
Copper	1130.0	1094.94	96.9						
Iron	4550.0	4526.31	99.5						
Lead	455.0	484.75	106.5						
Magnesium	22700.0	22727.15	100.1						
Manganese	2270.0	2317.75	102.1						
Nickel	2270.0	2285.06	100.7						
Potassium	22700.0	22193.46	97.8						
Selenium	455.0	506.87	111.4						
Silver	1130.0	1152.60	102.0						
Sodium	22700.0	22253.50	98.0						
Thallium	455.0	486.23	106.9						
Vanadium	2270.0	2233.49	98.4						
Zinc	2270.0	2356.39	103.8						

9

EPA SAMPLE NO.

ICP SERIAL DILUTIONS

FELF-INF

Lab Name: Mitkem Laboratories Contract: 99163.04

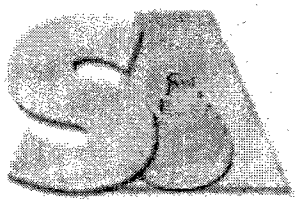
Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1704

Matrix (soil/water): WATER Level (low/med): MED

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

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	12.21	B	46.00		277		P
Antimony	2.60	U	13.00	U			P
Arsenic	2.90		14.50				P
Barium	47.21	B	49.08		4		P
Beryllium	0.10	U	0.50	U			P
Cadmium	0.20	U	1.00	U			P
Calcium	86228.61		82808.06		4		P
Chromium	0.30	U	1.50	U			P
Cobalt	5.51	B	6.36		15		P
Copper	4.49	B	10.74		139		P
Iron	15831.43		16372.91		3		P
Lead	1.10		5.50	U			P
Magnesium	21969.48		22444.13		2		P
Manganese	2563.47		2646.06		3		P
Nickel	4.35	B	4.30		1		P
Potassium	3318.00	B	3270.52		1		P
Selenium	21.72		37.74		74		P
Silver	0.50	U	2.50	U			P
Sodium	41481.86		40659.10		2		P
Thallium	8.50	B	14.50		71		P
Vanadium	1.62	B	3.56		120		P
Zinc	6.66	B	23.69		256		P

MITKEM LABORATORIES



* Wet Chemistry *

Mitkem Laboratories

Date: *05-Dec-07*

Client: Earth Tech
Client Sample ID: FELF-EFF
Lab ID: F1704-01

Project: Fort Edward Landfill
Collection Date: 11/19/07 10:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS				**SM2540_TDS**			
Total Dissolved Solids	370		10	mg/L	1	11/23/2007 13:00	33413
TOTAL SUSPENDED SOLIDS				**SM2540_TSS**			
Total Suspended Solids	ND		10	mg/L	1	11/24/2007 8:30	33414
PHENOLS by 4-Aminoantipyrine Method				**SM5530_W**			
Phenolics, Total Recoverable	ND		0.20	mg/L	1	12/04/2007 10:15	33588

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: Earth Tech
Work Order: F1704
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: **SM2540_TDS**

Sample ID: **MB-33413**	SampType: **MBLK**	TestCode: **SM2540_TDS**	Prep Date: **11/23/2007**	Run ID: **MANUAL_071123A**
Client ID: **MB-33413**	Batch ID: **33413**	Units: **mg/L**	Analysis Date: **11/23/2007**	SeqNo: **724730**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	10									

Sample ID: **LCS-33413**	SampType: **LCS**	TestCode: **SM2540_TDS**	Prep Date: **11/23/2007**	Run ID: **MANUAL_071123A**
Client ID: **LCS-33413**	Batch ID: **33413**	Units: **mg/L**	Analysis Date: **11/23/2007**	SeqNo: **724729**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	700.0	10	742.0	0	94.3	80	120	0			

Sample ID: **F1704-01EDUP**	SampType: **DUP**	TestCode: **SM2540_TDS**	Prep Date: **11/23/2007**	Run ID: **MANUAL_071123A**
Client ID: **FELF-EFF**	Batch ID: **33413**	Units: **mg/L**	Analysis Date: **11/23/2007**	SeqNo: **724726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	371.0	10	0	0	0	0	0	369.0	0.541	20	

5-19-08

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: F1704
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2540_TSS

Sample ID: **MB-33414**	SampType: **MBLK**	TestCode: **SM2540_TSS**			Prep Date: **11/23/2007**			Run ID: **MANUAL_071123B**				
Client ID: **MB-33414**	Batch ID: **33414**	Units: **mg/L**			Analysis Date: **11/24/2007**			SeqNo: **724736**				
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-33414**	SampType: **LCS**	TestCode: **SM2540_TSS**			Prep Date: **11/23/2007**			Run ID: **MANUAL_071123B**				
Client ID: **LCS-33414**	Batch ID: **33414**	Units: **mg/L**			Analysis Date: **11/24/2007**			SeqNo: **724735**				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids		56.00	10	56.80	0	98.6	80	120	0			

Sample ID: **F1704-01EDUP**	SampType: **DUP**	TestCode: **SM2540_TSS**			Prep Date: **11/23/2007**			Run ID: **MANUAL_071123B**				
Client ID: **FELF-EFF**	Batch ID: **33414**	Units: **mg/L**			Analysis Date: **11/24/2007**			SeqNo: **724732**				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids		ND	10	0	0	0	0	0	0	0	20	

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: F1704
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM5530_W

Sample ID: **MB-33588**	SampType: **MBLK**	TestCode: **SM5530_W**			Prep Date: **12/4/2007**			Run ID: **SPEC2_071204A**			
Client ID: **MB-33588**	Batch ID: **33588**	Units: **mg/L**			Analysis Date: **12/4/2007**			SeqNo: **728841**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	0.20									

Sample ID: **LCS-33588**	SampType: **LCS**	TestCode: **SM5530_W**			Prep Date: **12/4/2007**			Run ID: **SPEC2_071204A**			
Client ID: **LCS-33588**	Batch ID: **33588**	Units: **mg/L**			Analysis Date: **12/4/2007**			SeqNo: **728840**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.3060	0.20	0.3000	0	102	80	120	0			

S-SGS

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

Last Page of Data Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

January 8, 2008

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

RE: Client Project: Fort Edward Landfill, reference number: 99163.04
Lab Project #: F1888

Dear Mr. Choiniere:

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

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

We appreciate your business.

Sincerely,

Shirley Ng

Shirley S. Ng
Project Manager

Mitkem Laboratories

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

Project Name : Fort Edward Landfill

SDG : F1888

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
FELF EFF	F1888-01	OLM4.2_VOA_W			ILM4.1_HG_W	SEE DATA
FELF EFF	F1888-01				ILM4.1_ICP_W	
FELF INF	F1888-02	OLM4.2_VOA_W			ILM4.1_HG_W	
FELF INF	F1888-02				ILM4.1_ICP_W	
TRIP BLANK	F1888-03	OLM4.2_VOA_W				

Mitkem Laboratories

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

Project Name : Fort Edward Landfill

SDG : F1888

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
F1888-01A	AQ	12/17/2007	12/18/2007	NA	12/24/2007
F1888-02A	AQ	12/17/2007	12/18/2007	NA	12/24/2007
F1888-03A	AQ	12/17/2007	12/18/2007	NA	12/24/2007

Mitkem Laboratories

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

Project Name : Fort Edward Landfill

SDG : F1888

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
F1888-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1888-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
F1888-03A	AQ	OLM4.2_VOA_W	NA	LOW	1

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** F1888

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
F1888-01B	AQ	ILM4.1_HG_W	12/18/2007	12/21/2007
F1888-02B	AQ	ILM4.1_HG_W	12/18/2007	12/21/2007
F1888-02BDUP	AQ	ILM4.1_HG_W	12/18/2007	12/21/2007
F1888-02BMS	AQ	ILM4.1_HG_W	12/18/2007	12/21/2007
ILM4.1_ICP_W				
F1888-01B	AQ	ILM4.1_ICP_W	12/18/2007	12/21/2007
F1888-01BDUP	AQ	ILM4.1_ICP_W	12/18/2007	12/21/2007
F1888-01BMS	AQ	ILM4.1_ICP_W	12/18/2007	12/21/2007
F1888-02B	AQ	ILM4.1_ICP_W	12/18/2007	12/21/2007

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MF1888

Mitkem Work Order ID: F1888

January 8, 2008

Prepared For:

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

Prepared By:

Mitkem Laboratories
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 December 18, 2007. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID, along with.

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.

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.

Matrix spike: matrix spike analysis was performed on sample FELF EFF. Spike recoveries were within the QC limits with the exception of selenium and silver. These elements are flagged with an "N" on the data reporting forms. A post digestion spike was performed and reported.

Duplicate: duplicate analysis was performed on sample FELF EFF. Percent recoveries were within the QC limits.

Sample analysis: serial dilution was performed on sample FELF-EFF. Percent differences were within the QC limits with the exception of barium and zinc. These elements are flagged with an "E" on the data reporting forms. No other unusual observations were made during sample analysis.

4. Wet Chemistry Analysis:

Lab control sample: spike recoveries were within the QC limits for phenol, total dissolved solids and total suspended solids analysis.

Matrix spike: matrix spike analysis was performed on sample FELF-EFF for phenol analysis. Spike recovery was within the QC limits.

Duplicate: duplicate analyses were performed on sample FELF-EFF for phenol, total dissolved solids and total suspended solids analysis. Replicate RPDs were within the QC limits.

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

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

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

Shirley Ng
Project Manager
01/08/08

Mitkem Laboratories — *20/Dec/07 7:41* — WorkOrder: F1888

Client ID: EARTH_NY
Project: Fort Edward Landfill
Location:
Comments: under contract D004445-18-19-20-21-MIT-01

Case:
SDG:
PO: 99163.04

Report Level: ASP-A
EDD:
HC Due: 01/08/08
Fax Due: 01/01/08

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1888-01A	FELF EFF	12/17/2007 13:35	12/18/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F1888-01B	FELF EFF	12/17/2007 13:35	12/18/2007	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M5
					ILM4.1_ICP_W	ILM	☐	☐	☑	M5
F1888-01C	FELF EFF	12/17/2007 13:35	12/18/2007	Aqueous	SM5530_W		☐	☐	☐	F4
F1888-01D	FELF EFF	12/17/2007 13:35	12/18/2007	Aqueous	SM2540_TDS		☐	☐	☐	F4
					SM2540_TSS		☐	☐	☐	F4
F1888-02A	FELF INF	12/17/2007 13:55	12/18/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
F1888-02B	FELF INF	12/17/2007 13:55	12/18/2007	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M5
					ILM4.1_ICP_W	ILM	☐	☐	☑	M5
F1888-03A	TRIP BLANK	12/17/2007 0:00	12/18/2007	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA

Client Rep: Shirley S Ng

Sample Transmittal Documentation

MITKEM CORPORATION

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	LAB PROJECT #:
NAME Steve Choiniere	FAX 518-951-2300	NAME	FAX	F1888
ADDRESS 40 British American Blvd.		ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP Latham NY 12110		CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
FELF	99163.03 2	

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	OLM 4.2 VOA	Phenols	JLM4.1	TDS/TSS	COMMENTS
FELF EFF	12/17/07 1:35		x	x			01	5	x	x	x	x	
FELF INF	12/17/07 1:55						02	3	x		x		
Trip Blank	12/17/07 —						03	2	x				
	/												
	/												
	/												
	/												
	/												
	/												
	/												
	/												
	/												

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
	Steve Gray	12/17/07 3:30	Veronica Gaudreau	12/18/07 9:00		4C
		/		/		
		/		/		

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION

Sample Condition Form

Received By: VG	Reviewed By: MM	Date: 12/18/07	MITKEM Workorder #: F1888
Client Project: ~~Earth~~ VEC 12/18/07 Fort Ed Landfill		Client: EarthTech	

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
F1888	01	<2	<2			H	
F1888	02	<2				H	
F1888	03					H	

1) Cooler Sealed (Yes) / No

2) Custody Seal(s) (Present) / Absent
(Coolers) / Bottles
(Intact) / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody (Present) / Absent

5) Cooler Temperature 4°C
Coolant Condition ICE

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx
864197182619

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 12/18/07

9) Time Received 9:00

VEC 12/18/07

Preservative Name/Lot No:

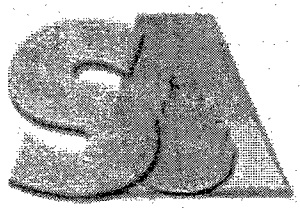
VOA Matrix Key:

US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / (no)

Rad OK yes/ no

MITKEM
LABORATORIES



* Volatiles *

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF EFF

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: F1888-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3376

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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 LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: F1888-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3376

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FELF EFF

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: F1888-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3376

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF INF

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: F1888-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3374

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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 INF

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: F1888-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3374

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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 LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: F1888-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3374

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: F1888-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3375

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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 LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: F1888-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3375

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: F1888-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3375

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKW5

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: MB-33921

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3372

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

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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.

VBLKW5

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: MB-33921

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3372

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

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VBLKW5

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: MB-33921

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3372

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

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5W

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5W

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3393

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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.

VHBLK5W

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5W

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3393

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

VHBLK5W

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5W

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3393

Level: (low/med) LOW Date Received: 12/18/07

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VW5LCS

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: LCS-33921

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3373

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

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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	55	
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	51	
107-06-2	1,2-Dichloroethane	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VW5LCS

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix: (soil/water) WATER Lab Sample ID: LCS-33921

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I3373

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

% Moisture: not dec. _____ Date Analyzed: 12/24/07

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
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	49	
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	53	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKW5	104	104	98		0
02	VW5LCS	100	94	94		0
03	FELF INF	100	99	96		0
04	TRIP BLANK	98	100	97		0
05	FELF EFF	101	99	94		0
06	VHBLK5W	99	91	98		0
07						
08						
09						
10						
11						
12						
13						
14						
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16						
17						
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19						
20						
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22						
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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 LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Matrix Spike - Sample No.: VW5LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		55	110	61-145
Benzene	50		51	102	76-127
Trichloroethene	50		47	94	71-120
Toluene	50		49	98	76-125
Chlorobenzene	50		53	106	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: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKW5

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1888

Lab File ID: V5I3372 Lab Sample ID: MB-33921

Date Analyzed: 12/24/07 Time Analyzed: 0347

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	VW5LCS	LCS-33921	V5I3373	0411
02	FELF INF	F1888-02A	V5I3374	0436
03	TRIP BLANK	F1888-03A	V5I3375	0500
04	FELF EFF	F1888-01A	V5I3376	0525
05	VHBLK5W	VHBLK5W	V5I3393	1157
06				
07				
08				
09				
10				
11				
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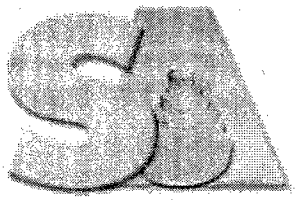
29				
30				

COMMENTS: _____

MITKEM LABORATORIES



* Metals *

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

SOW No.: ILM04.1

EPA Sample No.	Lab Sample ID
FELF EFF	F1888-01
FELF EFFD	F1888-01DUP
FELF EFFS	F1888-01MS
FELF INF	F1888-02
FELF INFD	F1888-02DUP
FELF INFS	F1888-02MS

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: Karolina Bodura Name: KAROLINA BADURA

Date: 1/8/08 Title:

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FELF EFF

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Matrix (soil/water): WATER Lab Sample ID: F1888-01

Level (low/med): MED Date Received: 12/18/2007

% 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	165	B		P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	2.9	U		P
7440-39-3	Barium	60.6	B	E	P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.20	U		P
7440-70-2	Calcium	104000			P
7440-47-3	Chromium	0.30	U		P
7440-48-4	Cobalt	1.6	B		P
7440-50-8	Copper	7.3	B		P
7439-89-6	Iron	569			P
7439-92-1	Lead	1.2	B		P
7439-95-4	Magnesium	22600			P
7439-96-5	Manganese	217			P
7439-97-6	Mercury	0.020	U		CV
7440-02-0	Nickel	6.0	B		P
7440-09-7	Potassium	6900			P
7782-49-2	Selenium	11.4		N	P
7440-22-4	Silver	2.3	U	N	P
7440-23-5	Sodium	16700			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	23.7		E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FELF INF

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Matrix (soil/water): WATER Lab Sample ID: F1888-02

Level (low/med): MED Date Received: 12/18/2007

% 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	9.2	U		P
7440-36-0	Antimony	2.6	U		P
7440-38-2	Arsenic	2.9	U		P
7440-39-3	Barium	62.0	B	E	P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.23	B		P
7440-70-2	Calcium	88900			P
7440-47-3	Chromium	0.30	U		P
7440-48-4	Cobalt	4.8	B		P
7440-50-8	Copper	1.0	B		P
7439-89-6	Iron	18200			P
7439-92-1	Lead	1.8	B		P
7439-95-4	Magnesium	22400			P
7439-96-5	Manganese	2550			P
7439-97-6	Mercury	0.020	U		CV
7440-02-0	Nickel	5.6	B		P
7440-09-7	Potassium	3480	B		P
7782-49-2	Selenium	10.9		N	P
7440-22-4	Silver	2.3	U	N	P
7440-23-5	Sodium	45000			P
7440-28-0	Thallium	3.3	B		P
7440-62-2	Vanadium	1.2	B		P
7440-66-6	Zinc	2.2	B	E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-33930

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

FIMS1_071221B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.020	U	0.020	U	0.020	U			-0.031	B	

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3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-33933

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

OPTIMA2_080102C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Silver	4.7	B	2.3	U	2.3	U	2.3	U	1.368	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-33933

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

OPTIMA3_071221B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	40.1	U	40.1	U	40.1	U	40.1	U	20.017	B	
Sodium	34.8	U	34.8	U	34.8	U	34.8	U	7.202	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-33933

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

OPTIMA3_071221C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	9.2	U	9.2	U	9.2	U	9.2	U	8.378	B	
Antimony	2.6	U	2.6	U	2.6	U	2.6	U	1.403	B	
Arsenic	2.9	U	2.9	U	2.9	U	2.9	U	0.567	B	
Barium	1.3	B	1.2	B	1.1	B	0.9	B	10.377	B	
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.024	B	
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	0.079	B	
Calcium	78.6	U	78.6	U	78.6	U	78.6	U	78.289	B	
Chromium	0.3	U	0.3	U	0.3	U	0.3	U	0.184	B	
Cobalt	0.2	B	0.2	U	0.2	U	0.2	U	0.263	B	
Copper	7.2	B	4.2	B	2.4	B	3.3	B	7.456	B	
Iron	2.2	U	2.3	B	2.2	U	4.5	B	55.232	B	
Lead	1.1	U	1.1	U	1.1	U	1.1	U	0.932	B	
Magnesium	3.4	U	3.4	U	3.4	U	6.5	B	2.387	B	
Manganese	0.2	B	0.1	U	0.2	B	0.1	U	4.708	B	
Nickel	0.3	B	0.3	B	0.3	U	0.3	U	0.449	B	
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	3.561	B	
Thallium	2.9	U	2.9	U	2.9	U	2.9	U	1.818	B	
Vanadium	0.4	U	0.4	U	0.4	U	0.4	U	0.161	B	
Zinc	4.9	B	2.8	B	1.6	B	2.1	B	9.948	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

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

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

OPTIMA3_080103A

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

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

FELF EFFS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2288.2149		164.7779	B	2000.00	106.2		P
Antimony	75-125	109.6119		2.6000	U	100.00	109.6		P
Arsenic	75-125	41.3528		2.9000	U	40.00	103.4		P
Barium	75-125	2296.8593		60.6456	B	2000.00	111.8		P
Beryllium	75-125	53.4791		0.1000	U	50.00	107.0		P
Cadmium	75-125	4.7831	B	0.2000	U	5.00	95.7		P
Chromium	75-125	214.9001		0.3000	U	200.00	107.5		P
Cobalt	75-125	545.4630		1.6349	B	500.00	108.8		P
Copper	75-125	269.3669		7.3498	B	250.00	104.8		P
Iron	75-125	1621.4707		568.9620		1000.00	105.3		P
Lead	75-125	22.2004		1.1842	B	20.00	105.1		P
Manganese	75-125	762.2809		216.9161		500.00	109.1		P
Nickel	75-125	537.0729		5.9507	B	500.00	106.2		P
Selenium	75-125	18.3845		11.3594		10.00	70.3	N	P
Silver	75-125	28.7195		2.3000	U	50.00	57.4	N	P
Thallium	75-125	54.4014		2.9000	U	50.00	108.8		P
Vanadium	75-125	531.2263		1.6347	B	500.00	105.9		P
Zinc	75-125	544.8888		23.7252		500.00	104.2		P

Comments:

U.S. EPA - CLP

5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

FELF INFS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Mercury	75-125	0.9787		0.0200	U	1.00	97.9		CV

Comments:

U.S. EPA - CLP

5B

EPA SAMPLE NO.

POST DIGEST SPIKE SAMPLE RECOVERY

FELF EFFA

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Matrix (soil/water): WATER Level (low/med): MED

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

Analyte	Control Limit %R	Spike Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Selenium		35.78	11.36	20.0	122		P

Comments:

U.S. EPA - CLP

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DUPLICATES

EPA SAMPLE NO.

FELF EFFD

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		164.7779	B	178.0230	B	7.7		P
Antimony		2.6000	U	2.6000	U			P
Arsenic		2.9000	U	2.9000	U			P
Barium		60.6456	B	62.6379	B	3.2		P
Beryllium		0.1000	U	0.1000	U			P
Cadmium		0.2000	U	0.2000	U			P
Calcium		104184.0354		109266.4598		4.8		P
Chromium		0.3000	U	0.3000	U			P
Cobalt		1.6349	B	1.6735	B	2.3		P
Copper		7.3498	B	2.9356	B	85.8		P
Iron		568.9620		598.1027		5		P
Lead		1.1842	B	2.4183	B	68.5		P
Magnesium	5000.0	22590.4099		23896.3111		5.6		P
Manganese		216.9161		227.2410		4.6		P
Nickel		5.9507	B	6.0684	B	2		P
Potassium	5000.0	6898.7467		7205.6868		4.4		P
Selenium	5.0	11.3594		11.2131		1.3		P
Silver		2.3000	U	2.3000	U			P
Sodium	5000.0	16659.2514		17501.8809		4.9		P
Thallium		2.9000	U	2.9000	U			P
Vanadium		1.6347	B	1.7087	B	4.4		P
Zinc	20.0	23.7252		22.5038		5.3		P

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DUPLICATES

EPA SAMPLE NO.

FELF INFD

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Matrix (soil/water): WATER Level (low/med): MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Mercury		0.0200	U	0.0200	U			CV

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Solid LCS Source:

Aqueous LCS Source:

LCS(D) ID:
LCS-33933

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9501.78	104.4						
Antimony	455.0	487.42	107.1						
Arsenic	455.0	450.93	99.1						
Barium	9100.0	9996.60	109.9						
Beryllium	227.0	241.07	106.2						
Cadmium	227.0	237.52	104.6						
Calcium	22700.0	24030.60	105.9						
Chromium	910.0	949.62	104.4						
Cobalt	2270.0	2424.58	106.8						
Copper	1130.0	1204.23	106.6						
Iron	4550.0	4832.84	106.2						
Lead	455.0	459.23	100.9						
Magnesium	22700.0	24034.56	105.9						
Manganese	2270.0	2413.29	106.3						
Nickel	2270.0	2415.15	106.4						
Potassium	22700.0	23768.30	104.7						
Selenium	455.0	462.01	101.5						
Silver	1130.0	1209.33	107.0						
Sodium	22700.0	24008.43	105.8						
Thallium	455.0	470.26	103.4						
Vanadium	2270.0	2360.75	104.0						
Zinc	2270.0	2428.01	107.0						

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ICP SERIAL DILUTIONS

EPA SAMPLE NO.

FELF EFF

Lab Name: Mitkem Laboratories Contract: 99163.04

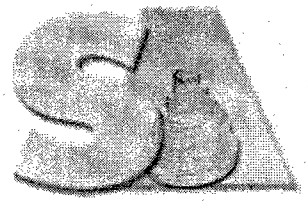
Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1888

Matrix (soil/water): WATER Level (low/med): MED

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

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	164.78	B	219.13		33		P
Antimony	2.60	U	13.00	U			P
Arsenic	2.90		14.50				P
Barium	60.65	B	67.69		12	E	P
Beryllium	0.10		0.50	U			P
Cadmium	0.20	U	1.00				P
Calcium	104184.04		105334.16		1		P
Chromium	0.30		1.50	U			P
Cobalt	1.63	B	1.71		5		P
Copper	7.35	B	14.37		96		P
Iron	568.96		604.30		6		P
Lead	1.18	B	5.50		366		P
Magnesium	22590.41		24588.54		9		P
Manganese	216.92		231.39		7		P
Nickel	5.95	B	7.04		18		P
Potassium	6898.75		7278.40		6		P
Selenium	11.36		24.00		111		P
Silver	2.30	U	11.50	U			P
Sodium	16659.25		17637.60		6		P
Thallium	2.90		14.50				P
Vanadium	1.63	B	2.13		31		P
Zinc	23.73		39.37		66	E	P

MITKEM LABORATORIES



* Wet Chemistry *

Mitkem Laboratories

Date: *27-Dec-07*

Client: Earth Tech
Client Sample ID: FELF EFF
Lab ID: F1888-01

Project: Fort Edward Landfill
Collection Date: 12/17/07 13:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS				**SM2540_TDS**			
Total Dissolved Solids	430		10	mg/L	1	12/21/2007 8:30	33938
TOTAL SUSPENDED SOLIDS				**SM2540_TSS**			
Total Suspended Solids	ND		10	mg/L	1	12/21/2007 8:30	33939
PHENOLS by 4-Aminoantipyrine Method				**SM5530_W**			
Phenolics, Total Recoverable	ND		0.20	mg/L	1	12/26/2007 10:00	34032

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

CLIENT: Earth Tech
Work Order: F1888
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: **SM2540_TDS**

Sample ID: **MB-33938**	SampType: **MBLK**	TestCode: **SM2540_TDS**		Prep Date: **12/20/2007**		Run ID: **MANUAL_071220A**					
Client ID: **MB-33938**	Batch ID: **33938**	Units: **mg/L**		Analysis Date: **12/21/2007**		SeqNo: **739632**					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	10									

Sample ID: **LCS-33938**	SampType: **LCS**	TestCode: **SM2540_TDS**		Prep Date: **12/20/2007**		Run ID: **MANUAL_071220A**					
Client ID: **LCS-33938**	Batch ID: **33938**	Units: **mg/L**		Analysis Date: **12/21/2007**		SeqNo: **739631**					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	711.0	10	742.0	0	95.8	80	120	0			

Sample ID: **F1888-01DDUP**	SampType: **DUP**	TestCode: **SM2540_TDS**		Prep Date: **12/20/2007**		Run ID: **MANUAL_071220A**					
Client ID: **FELF EFF**	Batch ID: **33938**	Units: **mg/L**		Analysis Date: **12/21/2007**		SeqNo: **739625**					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	446.0	10	0	0	0	0	0	432.0	3.19	20	

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: F1888
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2540_TSS

Sample ID: MB-33939	SampType: MBLK	TestCode: SM2540_TSS			Prep Date: 12/20/2007				Run ID: MANUAL_071220B			
Client ID: MB-33939	Batch ID: 33939	Units: mg/L			Analysis Date: 12/21/2007				SeqNo: 739638			
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-33939	SampType: LCS	TestCode: SM2540_TSS			Prep Date: 12/20/2007				Run ID: MANUAL_071220B			
Client ID: LCS-33939	Batch ID: 33939	Units: mg/L			Analysis Date: 12/21/2007				SeqNo: 739637			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	52.00	10	56.80	0	91.5	80	120	0				

Sample ID: F1888-01DDUP	SampType: DUP	TestCode: SM2540_TSS			Prep Date: 12/20/2007				Run ID: MANUAL_071220B			
Client ID: FELF EFF	Batch ID: 33939	Units: mg/L			Analysis Date: 12/21/2007				SeqNo: 739634			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	ND	10	0	0	0	0	0	0	0	20		

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: F1888
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM5530_W

Sample ID: MB-34032	SampType: MBLK	TestCode: SM5530_W		Prep Date: 12/26/2007		Run ID: SPEC2_071226A					
Client ID: MB-34032	Batch ID: 34032	Units: mg/L		Analysis Date: 12/26/2007		SeqNo: 740736					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	0.20									

Sample ID: LCS-34032	SampType: LCS	TestCode: SM5530_W		Prep Date: 12/26/2007		Run ID: SPEC2_071226A					
Client ID: LCS-34032	Batch ID: 34032	Units: mg/L		Analysis Date: 12/26/2007		SeqNo: 740735					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.2930	0.20	0.3000	0	97.7	80	120	0			

Sample ID: F1888-01CMS	SampType: MS	TestCode: SM5530_W		Prep Date: 12/26/2007		Run ID: SPEC2_071226A					
Client ID: FELF EFF	Batch ID: 34032	Units: mg/L		Analysis Date: 12/26/2007		SeqNo: 740733					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.8420	0.20	1.000	0	84.2	75	125	0			

Sample ID: F1888-01CDUP	SampType: DUP	TestCode: SM5530_W		Prep Date: 12/26/2007		Run ID: SPEC2_071226A					
Client ID: FELF EFF	Batch ID: 34032	Units: mg/L		Analysis Date: 12/26/2007		SeqNo: 740732					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	ND	0.20	0	0	0	0	0	0	200	20	

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

Last Page of Data Report