EarthTech
A tyco International Ltd. Company

40 British American Blvd.
Latham, NY
12110

P 518.951.2200
F 518.951.2300
www.earthtech.com

June 18, 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: First Quarter - 2008

Dear Mr. Long:

On June 19 2007, Earth Tech assumed 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 third quarterly report regarding operations, maintenance and discharge water quality at the facility. The report describes activities during the months of January, February and March of 2008.

The remedial system has been operating without any problems, although not at full capacity, as of the most recent system inspection on June 5th. One extraction well (W-1) is online (two are not), and the contents of the collection trench sump are being pumped to the treatment building (using a submersible pump as a temporary measure). The next system inspection will occur in about one week. Maintenance visits will occur as soon and as often as our schedule allows until the system is operating as designed.

Sampling Results

Earth Tech conducted monthly sampling of influent and effluent water on January 21, February 18 and March 20, 2008. The samples were submitted to Mitkem Corporation (now Mitkem Laboratories) 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 is performed on a once-per-quarter basis (the February sample this quarter), as required in the Effluent Limitations and Monitoring Requirements (ELMR). Influent samples were analyzed for metals and VOCs only. Analytical results for all Earth Tech sampling events are summarized on the attached tables. The laboratory analytical reports for the current quarter are also attached.

The aggregate concentration of reported VOCs in the January *influent* sample was approximately 1,282 ug/L, the highest to date; the March sample reported 219 ug/L of total VOCs; the February sample was

non-detect (ND) for VOCs. The large monthly variability of reported VOCs may be related to the relative proportions of collection-trench groundwater and extraction well groundwater in the single force-main entering the treatment plant. [The extraction well is subject to drawdown and recovery periods, resulting in intermittent contributions to the influent stream.] No flow meters exist on the influent pumps, so a correlation between influent flows and concentrations cannot be made. Moreover, samples cannot be drawn from individual influent streams for chemical analysis.

The monthly *effluent* samples met all limitations for VOCs, TDS, TSS, phenolics, and PCBs. The only exceedances of metals groundwater standards were for iron (Class GA: standard is 300 ug/L) in two effluent samples: 2,160 ug/L and 2,500 ug/L in February and March 2008, respectively. The January sample met all limitations.

System Maintenance

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

January 9th - After backflushing the four holding tank discharge pumps (P-201 & P-204), techs disassembled and changed impellers in two of the pumps, and put them back online. Made list of fittings needed for repairs at collection trench sump (W-4).

January 21st - Backflushed the four holding tank discharge pumps. Conducted monthly sampling of influent and effluent.

January 23rd – Pumped down water in collection sump W-5 in order to feed a high-pressure water jetter into 2" PVC sump discharge line. Cleaned all but 100 feet of the discharge line; a bend in the line beneath the road was impassable, and one of the cleanouts was frozen, preventing access to another segment. A small increase in discharge through the clean line was noted. A larger pump will be rented to evaluate if the current effluent pump is undersized.

January 24th – Rented a generator and a 110 volt, 2" submersible pump to test in the effluent sump. Pump produced much better flow into pond, indicating a larger pump should be used

January 31st – Installed new ABS 208 volt, 2-inch submersible pump in effluent sump (W-5).

February 8th – Checked effluent sump pump performance. Backflushed the four holding tank discharge pumps.

February 18th - Backflushed the four holding tank discharge pumps. Conducted monthly sampling. Building sump pump was not working; removed for third-party inspection and possible repair or replacement.

Mr. Payson Long
NYSDEC
June 18, 2008

February 29th – Installed a new Goulds 1½-inch pump in building sump. The union leaks when pump turns on; fittings cannot be tightened and will need repairing/replacing. Backflushed the four holding tank discharge pumps (P-201 through P-204).

March 20th – Replacement of O-ring in building sump pump union stopped leak. Backflushed the four holding tank discharge pumps. Conducted monthly sampling.

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

Very truly yours,
Earth Tech Northeast, Inc.

Stephen R. Choiniere
Project Manager

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

Analyte	Units	INFLUENT - 2007 & 2008											
		8/30/07	9/20/07	10/24/07	11/19/07	12/17/07	1/21/08	2/18/08	3/20/08				
Vinyl Chloride	ug/L	210 D	43	170			510 D		67				
1,1-Dichloroethene	"						4 J						
trans-1,2-Dichloroethene	"			3 J			7 J						
cis-1,2-Dichloroethene	"	190	85	310 D			690 D		140				
Benzene	"			6 J			15		3.8 J				
Toluene	"			7 J			12						
Chlorobenzene	"			4 J			10		2.7 J				
Ethylbenzene	"						3 J						
Xylene (total)	"			11			27		5.1 J				
Isopropylbenzene	"						4 J						
Arsenic	"		5.1 B	105					8.1 B				
Barium	"	110 B	107 B	286	47.2 B	62.0 B	263	62.5 B	134 B				
Cadmium	"			0.61 B		0.23 B		0.53 B					
Chromium	"						1.2 B	2.3 B	0.22 B				
Cobalt	"	7.8 B	7.6 B	11.3 B	5.5 B	4.8 B	8.0 B	3.9 B	5.1 B				
Copper	"		1.2 B	26.6	4.5 B	1.0 B		0.60 B	4.4 B				
Iron	"	39,800	40,500	187,000	15,800	18,200	44,200	21,300	46,300				
Lead	"		3.5	8.6		1.8 B	1.6 B						
Mercury	"				0.062 B		0.086 B						
Nickel	"	4.9 B	7.3 B	11.4 B	4.4 B	5.6 B	17.5 B	5.2 B	6.8 B				
Vanadium	"	0.81 B	1.8 B	14.0 B	1.6 B	1.2 B	4.7 B	0.96 B					
Zinc	"	3.5 B	1.0 B	7.6 B	6.7 B	2.2 B	0.74 B	6.5 B	6.2 B				

NOTES:
Data are shown only for detected VOCs, and for metals subject to effluent limitations. **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 & 2008												Discharge Limit
		8/30/07	9/20/07	10/24/07	11/19/07	12/17/07	1/21/08	2/18/08	3/20/08					
Vinyl Chloride	ug/L	<10	<10	<10	<10	<10	<10	<10	<10					50
Chloroethane	"	<10	<10	<10	<10	<10	<10	<10	<10					20
Methylene Chloride	"	<10	<10	<10	<10	<10	<10	<10	<10					50
1,1-Dichloroethane	"	<10	<10	<10	<10	<10	<10	<10	<10					30
1,2-Dichloroethene (Total)	"	<10	<10	<10	<10	<10	<10	<10	<10					30
Chloroform	"	<10	<10	<10	<10	<10	<10	<10	<10					150
Bromodichloromethane	"	<10	<10	<10	<10	<10	<10	<10	<10					30
Benzene	"	<10	<10	<10	<10	<10	<10	<10	<10					10
Toluene	"	<10	<10	<10	<10	<10	<10	<10	<10					10
Chlorobenzene	"	<10	<10	<10	<10	<10	<10	<10	<10					10
Ethylbenzene	"	<10	<10	<10	<10	<10	<10	<10	<10					10
Xylenes, Total	"	<10	<10	<10	<10	<10	<10	<10	<10					10
Phenols, Total Phenolics	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20					Monitor
PCB, Aroclor 1016	ug/L	<0.050	NA	NA	<0.050	NA	NA	<0.050	NA					0.065
PCB, Aroclor 1221	"	<0.050	NA	NA	<0.050	NA	NA	<0.050	NA					0.065
PCB, Aroclor 1242	"	<0.050	NA	NA	<0.050	NA	NA	<0.050	NA					0.065
pH	SU	NA	NA	NA	7.1	NA	7.5	7	7.4					6.0-9.0
Arsenic, Total	ug/L	<4.6	<4.6	**15.5**	<2.9	<2.9	<2.8	<2.8	<2.8					150
Barium, Total	"	**88.1 B**	**59.2 B**	**141 B**	**45.2 B**	**60.6 B**	**33.5 B**	**44.7 B**	**38.4 B**					Monitor
Cadmium, Total	"	<0.10	<0.10	<0.20	<0.20	<0.20	<0.16	<0.16	<0.16					1
Chromium, Total	"	**0.38 B**	<0.20	**0.68 B**	<0.30	<0.30	<0.15	**0.70 B**	**2.9 B**					210
Cobalt, Total	"	**6.7 B**	**4.0 B**	**3.7 B**	**2.0 B**	**1.6 B**	**0.73 B**	**0.97 B**	**1.4 B**					5
Copper, Total	"	**5.0 B**	**6.0 B**	**11.7 B**	**4.9 B**	**7.3 B**	**7.3 B**	**3.6 B**	**10.0 B**					24
Iron, Total	"	**20,100**	**9,460**	**35,600**	**2,080**	**569**	**123**	**2,160**	**2,500**					300
Lead, Total	"	**1.3 B**	**4.0**	**9.4**	<1.1	**1.2 B**	<1.4	<1.4	**1.8 B**					3.2
Mercury, Total	"	<0.010	<0.010	<0.010	**0.075 B**	<0.020	**0.088 B**	<0.040	<0.040					0.8
Nickel, Total	"	**6.0 B**	**6.0 B**	**7.7 B**	**4.2 B**	**6.0 B**	**3.3 B**	**3.4 B**	**3.2 B**					9.6 or 96
Vanadium, Total	"	**4.1 B**	**1.5 B**	**7.6 B**	**2.7 B**	**1.6 B**	<0.43	**1.4 B**	**3.3 B**					14
Zinc, Total	"	**29.0**	**12.3 B**	**39.8 E**	**20 B**	**23.7**	**7.9 B**	**8.6 B**	**16.2 B**					170
Total Dissolved Solids	mg/L	**620**	**600**	**520**	**370**	**430**	**320**	**220**	**170**					500
Total Suspended Solids	"	**100**	**46**	**78**	<10	<10	<10	<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 LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

February 11, 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 #: G0083

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 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 :** G0083

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
FELF-EFF	G0083-01	OLM4.2_VOA_W			ILM4.1_HG_W	SEE DATA
FELF-EFF	G0083-01				ILM4.1_ICP_W	
FELF-INF	G0083-02	OLM4.2_VOA_W			ILM4.1_HG_W	
FELF-INF	G0083-02				ILM4.1_ICP_W	
TRIP BLANK	G0083-03	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 :** G0083

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
G0083-01A	AQ	1/21/2008	1/22/2008	NA	1/24/2008
G0083-02A	AQ	1/21/2008	1/22/2008	NA	1/24/2008
G0083-02ADL	AQ	1/21/2008	1/22/2008	NA	1/24/2008
G0083-03A	AQ	1/21/2008	1/22/2008	NA	1/24/2008

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0083

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
G0083-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0083-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0083-02ADL	AQ	OLM4.2_VOA_W	NA	LOW	1
G0083-03A	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 :** G0083

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
G0083-01B	AQ	ILM4.1_HG_W	1/22/2008	1/25/2008
G0083-02B	AQ	ILM4.1_HG_W	1/22/2008	1/25/2008
G0083-02BDUP	AQ	ILM4.1_HG_W	1/22/2008	1/25/2008
G0083-02BMS	AQ	ILM4.1_HG_W	1/22/2008	1/25/2008
ILM4.1_ICP_W				
G0083-01B	AQ	ILM4.1_ICP_W	1/22/2008	2/4/2008
G0083-01BDUP	AQ	ILM4.1_ICP_W	1/22/2008	2/4/2008
G0083-01BMS	AQ	ILM4.1_ICP_W	1/22/2008	2/4/2008
G0083-02B	AQ	ILM4.1_ICP_W	1/22/2008	2/4/2008

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MG0083

Mitkem Work Order ID: G0083

February 7, 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 January 22, 2008. 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.

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

Sample analysis: due to high concentration of target analytes, sample FELF-INF was re-analyzed at 8X dilution as FELF-INFDL. 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: matrix spike analysis was performed on sample FELF-EFF for ICP and FELF-INF for mercury analysis. Spike recoveries were within the QC limits with the exception of mercury in FELF-INF. This element is flagged with an "N" on the data reporting forms.

Duplicate: duplicate analysis was performed on sample FELF EFF for ICP and FELF-INF for mercury. Percent recoveries were within the QC limits.

Sample analysis: serial dilution was performed on sample FELF-EFF. Percent differences were within the QC limits. No 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
02/11/08

Mitkem Laboratories

22/Jan/08 10:39

WorkOrder: G0083

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: 02/12/08
Fax Due: 02/05/08

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0083-01A	FELF-EFF	01/21/2008 10:20	01/22/2008	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
G0083-01B	FELF-EFF	01/21/2008 10:20	01/22/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M2
					ILM4.1_ICP_W	ILM	☐	☐	☑	M2
G0083-01C	FELF-EFF	01/21/2008 10:20	01/22/2008	Aqueous	SM2540_TDS		☐	☐	☐	C2
					SM2540_TSS		☐	☐	☐	C2
G0083-01D	FELF-EFF	01/21/2008 10:20	01/22/2008	Aqueous	SM5530_W		☐	☐	☐	C2
G0083-02A	FELF-INF	01/21/2008 10:35	01/22/2008	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA
G0083-02B	FELF-INF	01/21/2008 10:35	01/22/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M2
					ILM4.1_ICP_W	ILM	☐	☐	☑	M2
G0083-03A	TRIP BLANK	01/21/2008 0:00	01/22/2008	Aqueous	OLM4.2_VOA_W	+TIC	☐	☐	☐	VOA

Client Rep: Shirley S Ng

Sample Transmittal Documentation

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Earth Tech
40 British American Blvd.
Latham NY 12110

Project Mgr.: Steve Choinere

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 99163.02
Site Name: Fort Edward Landfill
Location: Fort Edward State: NY
Sampler(s): SPG

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: OLM 4.2 VOA	ILM4.1	TSS/TDS	Phenols	QA Reporting Notes: (check if needed)
G00083															☐ Provide MA DEP MCP CAM Report ☐ Provide CT DEP RCP Report **QA/QC Reporting Level** ☐ Standard ☐ No QC ☐ Other _____ State specific reporting standards:
01	FELF-EFF	1-21-08	10:20	G	GW		2	1		2	X	X	X	X	
02	FELF-INF	1-21-08	10:35	G	GW		2			1	X	X			
03	Trip Blank	—	—				2								

☐ Fax results when available to (____) _____
☐ E-mail to _____
EDD Format _____
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C -1C

Relinquished by:	Received by:	Date:	Time:
Steve Choinere		1/21/08	12:15
	Veronica Gaudreau	1/22/08	8:30

MITKEM CORPORATION

Sample Condition Form

Received By: VEG | Reviewed By: SN | Date: 1/22/08 | MITKEM Workorder #: G0083

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: -1°C

Coolant Condition: ICE

6) Airbill(s): (Present) / Absent

Airbill Number(s): FedEx 864197121878

7) Sample Bottles: (Intact)/Broken/Leaking

8) Date Received: 1/22/08

9) Time Received: 8:30

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
G0083	01	<2	<2			H	
G0083	02	<2				H	
G0083	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 *

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.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4198

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4198

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4198

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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

FELF-INF

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4199

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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	480	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	4	J
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	7	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	690	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	15	
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.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4199

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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	12	
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	
100-41-4	Ethylbenzene	3	J
1330-20-7	Xylene (Total)	27	
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	4	J
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-INF

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4199

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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

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

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.79	7	J
2.		UNKNOWN	3.60	6	J
3.	109-99-9	FURAN, TETRAHYDRO-	4.96	100	NJ
4.	462-95-3	METHANE, DIETHOXY-	5.65	6	NJ
5.		UNKNOWN	6.63	9	J
6.		UNKNOWN	7.37	35	J
7.		UNKNOWN	8.28	12	J
8.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.32	7	NJ
9.	2051-61-8	3-CHLOROBIPHENYL	17.80	22	NJ
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11.					
12.					
13.					
14.					
15.					
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20.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-INFDL

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4200A

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 8.0

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	80	U
74-87-3	Chloromethane	80	U
75-01-4	Vinyl Chloride	510	D
74-83-9	Bromomethane	80	U
75-00-3	Chloroethane	80	U
75-69-4	Trichlorofluoromethane	80	U
75-35-4	1,1-Dichloroethene	80	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	80	U
67-64-1	Acetone	80	U
75-15-0	Carbon Disulfide	80	U
79-20-9	Methyl Acetate	80	U
75-09-2	Methylene Chloride	80	U
156-60-5	trans-1,2-Dichloroethene	80	U
1634-04-4	Methyl tert-Butyl Ether	80	U
75-34-3	1,1-Dichloroethane	80	U
156-59-2	cis-1,2-Dichloroethene	690	D
78-93-3	2-Butanone	80	U
67-66-3	Chloroform	80	U
71-55-6	1,1,1-Trichloroethane	80	U
110-82-7	Cyclohexane	80	U
56-23-5	Carbon Tetrachloride	80	U
71-43-2	Benzene	80	U
107-06-2	1,2-Dichloroethane	80	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF-INFDL

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4200A

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 8.0

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	80	U
108-87-2	Methylcyclohexane	80	U
78-87-5	1,2-Dichloropropane	80	U
75-27-4	Bromodichloromethane	80	U
10061-01-5	cis-1,3-Dichloropropene	80	U
108-10-1	4-Methyl-2-Pentanone	80	U
108-88-3	Toluene	80	U
10061-02-6	trans-1,3-Dichloropropene	80	U
79-00-5	1,1,2-Trichloroethane	80	U
127-18-4	Tetrachloroethene	80	U
591-78-6	2-Hexanone	80	U
124-48-1	Dibromochloromethane	80	U
106-93-4	1,2-Dibromoethane	80	U
108-90-7	Chlorobenzene	80	U
100-41-4	Ethylbenzene	80	U
1330-20-7	Xylene (Total)	24	DJ
100-42-5	Styrene	80	U
75-25-2	Bromoform	80	U
98-82-8	Isopropylbenzene	80	U
79-34-5	1,1,2,2-Tetrachloroethane	80	U
541-73-1	1,3-Dichlorobenzene	80	U
106-46-7	1,4-Dichlorobenzene	80	U
95-50-1	1,2-Dichlorobenzene	80	U
96-12-8	1,2-Dibromo-3-chloropropane	80	U
120-82-1	1,2,4-Trichlorobenzene	80	U

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

FELF-INFDL

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4200A

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 8.0

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.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4200

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4200

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: G0083-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4200

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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. 34883-39-1	1,1'-BIPHENYL, 2,5-DICHLORO-	12.88	6	NJ
2. 2051-61-8	3-CHLOROBIPHENYL	17.81	5	NJ
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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VY5LCS

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: LCS-34523

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4193

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

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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	58	
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	59	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VY5LCS

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: LCS-34523

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4193

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

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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	57	
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	55	
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	57	
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

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLKY5	99	92	100		0
02	VY5LCS	100	92	98		0
03	FELF-EFF	100	88	98		0
04	FELF-INF	96	93	96		0
05	TRIP BLANK	96	89	96		0
06	FELF-INFDL	98	93	93		0
07	VHBLKY5	101	89	99		0
08						
09						
10						
11						
12						
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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

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix Spike - Sample No.: VY5LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		58	116	61-145
Benzene	50		59	118	76-127
Trichloroethene	50		57	114	71-120
Toluene	50		55	110	76-125
Chlorobenzene	50		57	114	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.

VBLKY5

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Lab File ID: V5I4192 Lab Sample ID: MB-34523

Date Analyzed: 01/24/08 Time Analyzed: 0941

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	VY5LCS	LCS-34523	V5I4193	1008
02	FELF-EFF	G0083-01A	V5I4198	1222
03	FELF-INF	G0083-02A	V5I4199	1249
04	TRIP BLANK	G0083-03A	V5I4200	1316
05	FELF-INFDL	G0083-02ADL	V5I4200A	1342
06	VHBLKY5	VHBLKY5	V5I4216	2050
07				
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COMMENTS: _____

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKY5

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: MB-34523

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4192

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

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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.

VBLKY5

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: MB-34523

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4192

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

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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

VBLKY5

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: MB-34523

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4192

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

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VHBLKY5

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: VHBLKY5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4216

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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.

VHBLKY5

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: VHBLKY5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4216

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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.

VHBLKY5

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM LABORATORIES Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0083

Matrix: (soil/water) WATER Lab Sample ID: VHBLKY5

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4216

Level: (low/med) LOW Date Received: 01/22/08

% Moisture: not dec. _____ Date Analyzed: 01/24/08

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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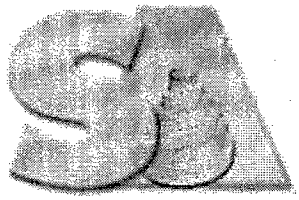
MITKEM LABORATORIES



* Metals *

U.S.EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0083

SOW No.: ILM04.1

EPA Sample No.	Lab Sample ID
FELF-EFF	G0083-01
FELF-EFFD	G0083-01DUP
FELF-EFFS	G0083-01MS
FELF-INF	G0083-02
FELF-INFD	G0083-02DUP
FELF-INFS	G0083-02MS

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: Dawne E. Smart Name: Dawne E. Smart

Date: 2/6/08 Title:

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.: MG0083

Matrix (soil/water): WATER Lab Sample ID: G0083-01

Level (low/med): MED Date Received: 01/22/2008

% 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	60.4	B		P
7440-36-0	Antimony	1.8	U		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	33.5	B		P
7440-41-7	Beryllium	0.040	U		P
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium	60700			P
7440-47-3	Chromium	0.15	U		P
7440-48-4	Cobalt	0.73	B		P
7440-50-8	Copper	7.3	B		P
7439-89-6	Iron	123			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	21900			P
7439-96-5	Manganese	114			P
7439-97-6	Mercury	0.088	B	N	CV
7440-02-0	Nickel	3.3	B		P
7440-09-7	Potassium	3290	B		P
7782-49-2	Selenium	11.6			P
7440-22-4	Silver	6.7	B		P
7440-23-5	Sodium	16600			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	0.43	U		P
7440-66-6	Zinc	7.9	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.: MG0083

Matrix (soil/water): WATER Lab Sample ID: G0083-02

Level (low/med): MED Date Received: 01/22/2008

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18.4	B		P
7440-36-0	Antimony	1.8	U		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	263			P
7440-41-7	Beryllium	0.040	U		P
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium	135000			P
7440-47-3	Chromium	1.2	B		P
7440-48-4	Cobalt	8.0	B		P
7440-50-8	Copper	0.51	U		P
7439-89-6	Iron	44200			P
7439-92-1	Lead	1.6	B		P
7439-95-4	Magnesium	47300			P
7439-96-5	Manganese	1440			P
7439-97-6	Mercury	0.086	B	N	CV
7440-02-0	Nickel	17.5	B		P
7440-09-7	Potassium	35200			P
7782-49-2	Selenium	10.7			P
7440-22-4	Silver	0.57	U		P
7440-23-5	Sodium	168000			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	4.7	B		P
7440-66-6	Zinc	0.74	B		P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0083

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-34540**

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

FIMS1_080125A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.092	B	0.087	B	0.087	B			0.085	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0083

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: **MB-34694**

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

OPTIMA3_080204A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	6.2	U	25.0	B	8.5	B	13.0	B	7.258	B	
Antimony	2.2	B	2.9	B	1.8	U	1.8	U	1.780	U	
Arsenic	2.8	U	2.9	U	2.9	U	2.9	U	2.850	U	
Barium	4.4	B	17.9	B	8.9	B	9.2	B	0.300	U	
Beryllium	0.1	B	0.3	B	0.2	B	0.3	B	0.040	U	
Cadmium	0.2	B	0.5	B	0.3	B	0.3	B	0.160	U	
Calcium	45.3	B	93.0	B	43.8	U	43.8	U	64.942	B	
Chromium	0.5	B	1.7	B	0.8	B	0.8	B	0.253	B	
Cobalt	1.0	B	4.5	B	2.3	B	2.5	B	0.120	U	
Copper	2.4	B	3.7	B	2.9	B	2.7	B	2.511	B	
Iron	1.8	B	16.5	B	5.1	B	11.5	B	21.113	B	
Lead	1.4	U	1.4	U	1.4	U	1.4	U	1.390	U	
Magnesium	12.1	U	49.6	B	20.3	B	39.7	B	12.080	U	
Manganese	1.2	B	2.9	B	2.2	B	2.3	B	0.975	B	
Nickel	1.1	B	4.4	B	2.2	B	2.3	B	0.320	U	
Selenium	3.6	U	3.6	U	3.6	U	3.6	U	3.610	U	
Silver	0.9	B	1.4	B	1.3	B	0.9	B	2.067	B	
Thallium	2.1	U	2.1	U	2.1	U	2.1	U	2.080	U	
Vanadium	1.2	B	3.0	B	2.0	B	2.7	B	0.430	U	
Zinc	1.0	B	4.5	B	2.3	B	2.6	B	0.747	B	

U.S. EPA - CLP

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BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0083

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-34694**

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

OPTIMA3_080204B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	33.6	U	33.6	U	33.6	U			33.560	U	
Sodium	15.7	B	14.1	U	14.1	U			14.090	U	

U.S. EPA - CLP

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.: MG0083

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	2094.2697		60.3666	B	2000.00	101.7		P
Antimony	75-125	95.9218		1.7800	U	100.00	95.9		P
Arsenic	75-125	45.0236		2.8500	U	40.00	112.6		P
Barium	75-125	2201.5047		33.5146	B	2000.00	108.4		P
Beryllium	75-125	54.1118		0.0400	U	50.00	108.2		P
Cadmium	75-125	4.3837	B	0.1600	U	5.00	87.7		P
Chromium	75-125	213.7707		0.1500	U	200.00	106.9		P
Cobalt	75-125	532.2566		0.7314	B	500.00	106.3		P
Copper	75-125	266.6162		7.2870	B	250.00	103.7		P
Iron	75-125	1152.5314		122.9511		1000.00	103.0		P
Lead	75-125	21.0320		1.3900	U	20.00	105.2		P
Manganese	75-125	661.0923		113.5312		500.00	109.5		P
Nickel	75-125	529.6310		3.3259	B	500.00	105.3		P
Selenium	75-125	23.4036		11.5683		10.00	118.4		P
Silver	75-125	51.4217		6.6837	B	50.00	89.5		P
Thallium	75-125	49.3128		2.0800	U	50.00	98.6		P
Vanadium	75-125	526.9818		0.4300	U	500.00	105.4		P
Zinc	75-125	529.0067		7.8634	B	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.: MG0083

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	0.6741		0.0860	B	1.00	58.8	N	CV

Comments:

U.S. EPA - CLP

6

DUPLICATES

EPA SAMPLE NO.

FELF-EFFD

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0083

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		60.3666	B	62.9941	B	4.3		P
Antimony		1.7800	U	1.7800	U			P
Arsenic		2.8500	U	2.8500	U			P
Barium		33.5146	B	32.0393	B	4.5		P
Beryllium		0.0400	U	0.0400	U			P
Cadmium		0.1600	U	0.1600	U			P
Calcium		60688.6937		61122.0295		0.7		P
Chromium		0.1500	U	0.1500	U			P
Cobalt		0.7314	B	0.4367	B	50.5		P
Copper		7.2870	B	5.7959	B	22.8		P
Iron	100.0	122.9511		121.1615		1.5		P
Lead		1.3900	U	1.3900	U			P
Magnesium	5000.0	21909.7020		21949.0324		0.2		P
Manganese		113.5312		113.7603		0.2		P
Nickel		3.3259	B	3.1207	B	6.4		P
Potassium		3291.8867	B	3332.2698	B	1.2		P
Selenium	5.0	11.5683		9.4133		20.5		P
Silver		6.6837	B	5.9785	B	11.1		P
Sodium	5000.0	16580.6707		16847.2359		1.6		P
Thallium		2.0800	U	2.0800	U			P
Vanadium		0.4300	U	0.4300	U			P
Zinc		7.8634	B	7.1141	B	10		P

6

DUPLICATES

EPA SAMPLE NO.

FELF-INFD

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0083

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		0.0860	B	0.0863	B	0.3		CV

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0083

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-34694**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	8411.23	92.4						
Antimony	455.0	439.90	96.7						
Arsenic	455.0	485.18	106.6						
Barium	9100.0	8832.88	97.1						
Beryllium	227.0	218.52	96.3						
Cadmium	227.0	239.72	105.6						
Calcium	22700.0	20754.69	91.4						
Chromium	910.0	873.06	95.9						
Cobalt	2270.0	2199.73	96.9						
Copper	1130.0	1052.36	93.1						
Iron	4550.0	4302.81	94.6						
Lead	455.0	483.40	106.2						
Magnesium	22700.0	21615.41	95.2						
Manganese	2270.0	2199.84	96.9						
Nickel	2270.0	2206.78	97.2						
Potassium	22700.0	21235.52	93.5						
Selenium	455.0	490.79	107.9						
Silver	1130.0	1037.53	91.8						
Sodium	22700.0	21461.35	94.5						
Thallium	455.0	473.86	104.1						
Vanadium	2270.0	2118.27	93.3						
Zinc	2270.0	2223.10	97.9						

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EPA SAMPLE NO.

ICP SERIAL DILUTIONS

FELF-EFF

Lab Name: Mitkem Laboratories Contract: 99163.04

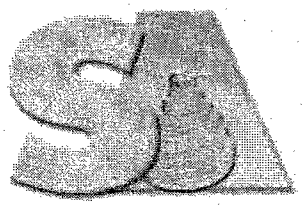
Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0083

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	60.37	B	84.65	B	40		P
Antimony	1.78	U	8.90	U			P
Arsenic	2.85	U	14.25	U			P
Barium	33.51	B	35.97	B	7		P
Beryllium	0.04	U	0.20	U			P
Cadmium	0.16	U	0.80	U			P
Calcium	60688.69		59545.47		2		P
Chromium	0.15	U	0.75	U			P
Cobalt	0.73	B	0.73	B	0		P
Copper	7.29	B	8.77	B	20		P
Iron	122.95		135.06	B	10		P
Lead	1.39	U	6.95	U			P
Magnesium	21909.70		22531.07	B	3		P
Manganese	113.53		118.17		4		P
Nickel	3.33	B	4.16	B	25		P
Potassium	3291.89	B	3365.06	B	2		P
Selenium	11.57		18.05	U	100		P
Silver	6.68	B	2.93	B	56		P
Sodium	16580.67		16873.63	B	2		P
Thallium	2.08	U	10.40	U			P
Vanadium	0.43	U	2.15	U			P
Zinc	7.86	B	6.83	B	13		P

MITKEM LABORATORIES



* Wet Chemistry *

Mitkem Laboratories

Date: *04-Feb-08*

Client: Earth Tech
Client Sample ID: FELF-EFF
Lab ID: G0083-01

Project: Fort Edward Landfill
Collection Date: 01/21/08 10:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS				**SM2540_TDS**			
Total Dissolved Solids	320		10	mg/L	1	01/23/2008 16:30	34505
TOTAL SUSPENDED SOLIDS				**SM2540_TSS**			
Total Suspended Solids	ND		10	mg/L	1	01/23/2008 16:30	34506
PHENOLS by 4-Aminoantipyrine Method				**SM5530_W**			
Phenolics, Total Recoverable	ND		0.20	mg/L	1	01/25/2008 9:30	34559

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: G0083
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: **SM2540_TDS**

Sample ID: **MB-34505**	SampType: **MBLK**	TestCode: **SM2540_TDS**	Prep Date: **1/23/2008**	Run ID: **MANUAL_080123A**
Client ID: **MB-34505**	Batch ID: **34505**	Units: **mg/L**	Analysis Date: **1/23/2008**	SeqNo: **755079**

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-34505**	SampType: **LCS**	TestCode: **SM2540_TDS**	Prep Date: **1/23/2008**	Run ID: **MANUAL_080123A**
Client ID: **LCS-34505**	Batch ID: **34505**	Units: **mg/L**	Analysis Date: **1/23/2008**	SeqNo: **755078**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	717.0	10	742.0	0	96.6	80	120	0			

Sample ID: **G0083-01CDUP**	SampType: **DUP**	TestCode: **SM2540_TDS**	Prep Date: **1/23/2008**	Run ID: **MANUAL_080123A**
Client ID: **FELF-EFF**	Batch ID: **34505**	Units: **mg/L**	Analysis Date: **1/23/2008**	SeqNo: **755077**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	322.0	10	0	0	0	0	0	315.0	2.2	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: G0083
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2540_TSS

Sample ID: **MB-34506** SampType: **MBLK** TestCode: **SM2540_TSS** Prep Date: **1/23/2008** Run ID: **MANUAL_080123B**
Client ID: **MB-34506** Batch ID: **34506** Units: **mg/L** Analysis Date: **1/23/2008** SeqNo: **755084**

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-34506** SampType: **LCS** TestCode: **SM2540_TSS** Prep Date: **1/23/2008** Run ID: **MANUAL_080123B**
Client ID: **LCS-34506** Batch ID: **34506** Units: **mg/L** Analysis Date: **1/23/2008** SeqNo: **755083**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	57.00	10	56.80	0	100	80	120	0			

Sample ID: **G0083-01CDUP** SampType: **DUP** TestCode: **SM2540_TSS** Prep Date: **1/23/2008** Run ID: **MANUAL_080123B**
Client ID: **FELF-EFF** Batch ID: **34506** Units: **mg/L** Analysis Date: **1/23/2008** SeqNo: **755081**

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	

0049

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: G0083
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM5530_W

Sample ID: MB-34559	SampType: MBLK	TestCode: SM5530_W		Prep Date: 1/25/2008		Run ID: SPEC2_080125B					
Client ID: MB-34559	Batch ID: 34559	Units: mg/L		Analysis Date: 1/25/2008		SeqNo: 755114					
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-34559	SampType: LCS	TestCode: SM5530_W		Prep Date: 1/25/2008		Run ID: SPEC2_080125B					
Client ID: LCS-34559	Batch ID: 34559	Units: mg/L		Analysis Date: 1/25/2008		SeqNo: 755113					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.2680	0.20	0.3000	0	89.3	80	120	0			

Sample ID: G0083-01DMS	SampType: MS	TestCode: SM5530_W		Prep Date: 1/25/2008		Run ID: SPEC2_080125B					
Client ID: FELF-EFF	Batch ID: 34559	Units: mg/L		Analysis Date: 1/25/2008		SeqNo: 755112					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.9380	0.20	1.000	0	93.8	75	125	0			

Sample ID: G0083-01DDUP	SampType: DUP	TestCode: SM5530_W		Prep Date: 1/25/2008		Run ID: SPEC2_080125B					
Client ID: FELF-EFF	Batch ID: 34559	Units: mg/L		Analysis Date: 1/25/2008		SeqNo: 755111					
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	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

Last Page of Data Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

March 6, 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 #: G0212

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 : G0212

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
FELF-EFF	G0212-01	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	SEE DATA
FELF-EFF	G0212-01				ILM4.1_ICP_W	
FELF-INF	G0212-02	OLM4.2_VOA_W			ILM4.1_HG_W	SEE DATA
FELF-INF	G0212-02				ILM4.1_ICP_W	
TRIP BLANK	G0212-03	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 :** G0212

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
G0212-01A	AQ	2/18/2008	2/19/2008	NA	2/26/2008
G0212-02A	AQ	2/18/2008	2/19/2008	NA	2/26/2008
G0212-03A	AQ	2/18/2008	2/19/2008	NA	2/26/2008

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0212

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8082_W					
G0212-01E	AQ	2/18/2008	2/19/2008	2/21/2008	2/24/2008

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0212

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
G0212-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0212-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0212-03A	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 :** G0212

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8082_W					
G0212-01E	AQ	SW8082_W	SW8082_W	Sulfur	1

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0212

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
G0212-01C	AQ	ILM4.1_HG_W	2/19/2008	2/25/2008
G0212-02B	AQ	ILM4.1_HG_W	2/19/2008	2/25/2008
ILM4.1_ICP_W				
G0212-01C	AQ	ILM4.1_ICP_W	2/19/2008	2/25/2008
G0212-02B	AQ	ILM4.1_ICP_W	2/19/2008	2/25/2008

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MG0212

Mitkem Work Order ID: G0212

March 6, 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 February 19, 2008. 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.

Lab control sample: spike 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.

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-INF for total suspended solids and sample FELF-EFF for phenols. Replicate RPDs were within the QC limits.

Matrix spike analysis: matrix spike analysis was performed on sample FELF-EFF for phenols. Spike recovery was 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
03/06/08

Mitkem Laboratories

19/Feb/08 15:47

WorkOrder: G0212

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: 03/11/08
Fax Due: 03/04/08

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0212-01A	FELF-EFF	02/18/2008 10:35	02/19/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G0212-01B	FELF-EFF	02/18/2008 10:35	02/19/2008	Aqueous	SM5530_W		☐	☐	☐	C3
G0212-01C	FELF-EFF	02/18/2008 10:35	02/19/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
G0212-01D	FELF-EFF	02/18/2008 10:35	02/19/2008	Aqueous	SM2540_TDS		☐	☐	☐	C3
					SM2540_TSS		☐	☐	☐	C3
G0212-01E	FELF-EFF	02/18/2008 10:35	02/19/2008	Aqueous	SW8082_W	extract 2L to 1mL	☐	☐	☑	C3
G0212-02A	FELF-INF	02/18/2008 10:55	02/19/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G0212-02B	FELF-INF	02/18/2008 10:55	02/19/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M4
					ILM4.1_ICP_W	ILM	☐	☐	☑	M4
G0212-02C	FELF-INF	02/18/2008 10:55	02/19/2008	Aqueous	SM2540_TDS		☐	☐	☐	C3
					SM2540_TSS		☐	☐	☐	C3

Client Rep: Shirley S Ng

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: 03/11/08
Fax Due: 03/04/08

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0212-03A	TRIP BLANK	02/18/2008 0:00	02/19/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA

Client Rep: Shirley S Ng

Sample Transmittal Documentation

EarthTech
A Tyco International Ltd. Company
40 British American Blvd.
Latham, NY
12110
P 518.951.2200
F 518.951.2300
www.earthtech.com

CHAIN-OF-CUSTODY RECORD

REPORT TO

COMPANY: Earth Tech
PHONE:
NAME: Steve Choiniere
FAX:
ADDRESS: Same as above
CITY / STATE / ZIP:

DATA DELIVERABLE INFORMATION

☐ NEW YORK STATE ASP "B"
☐ NEW YORK STATE ASP "A"
☐ OTHER

CHECK DELIVERY METHOD

☐ SAMPLES DELIVERED IN PERSON
☒ BY COMMON CARRIER

FEDERAL EXPRESS AIRBILL NUMBER: 8641 9470 9554

UPS AIRBILL NUMBER:

CLIENT / PROJECT NAME: Fort Edward Land Fill

CLIENT PROJECT #: 99163.02

REQUESTED ANALYSES

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	OLM4.2	Phenols	ILM4.1	TSS/TDS	PCB	COMMENTS
FELF EFF	2/18/08/10:35		X	X			01	7	X	X	X	X	X	
FELF INF	2/18/08/10:55		X	X			02	4	X		X	X		
Trip Blank	— / —			X			03	2	X					

RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME	ADDITIONAL REMARKS	COOLER TEMP.
Steve Gray	2/18/08 2:30	Veronica Gardner	2/19/08 8:40		4°C

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

MITKEM LABORATORIES

Sample Condition Form

Received By: VEG | Reviewed By: ALN | Date: 2/19/08 | MITKEM Workorder #: G0212

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
8641 94709554

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 2/19/08

9) Time Received 8:40

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"
G0212	01	<2	<2			H	
G0212	02	<2				H	
G0212	03					H	

VEG 2/19/08

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 CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: G0212-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4954

Level: (low/med) LOW Date Received: 02/19/08

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: G0212-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4954

Level: (low/med) LOW Date Received: 02/19/08

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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

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.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: G0212-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4955

Level: (low/med) LOW Date Received: 02/19/08

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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 CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: G0212-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4955

Level: (low/med) LOW Date Received: 02/19/08

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: G0212-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4956

Level: (low/med) LOW Date Received: 02/19/08

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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 CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: G0212-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4956

Level: (low/med) LOW Date Received: 02/19/08

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5FLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: LCS-35054

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4953

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

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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	54	
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V5FLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: LCS-35054

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4953

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

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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	54	
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	53	
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	56	
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 CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK5F	101	106	89		0
02	V5FLCS	99	105	90		0
03	FELF-EFF	101	105	88		0
04	FELF-INF	101	110	91		0
05	TRIP BLANK	90	106	88		0
06	VHBLK5F	99	108	90		0
07						
08						
09						
10						
11						
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14						
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27						
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29						
30						

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

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Matrix Spike - Sample No.: V5FLCS

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		54	108	76-127
Trichloroethene	50		54	108	71-120
Toluene	50		53	106	76-125
Chlorobenzene	50		56	112	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.

VBLK5F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Lab File ID: V5I4952 Lab Sample ID: MB-35054

Date Analyzed: 02/26/08 Time Analyzed: 0950

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	V5FLCS	LCS-35054	V5I4953	1017
02	FELF-EFF	G0212-01A	V5I4954	1044
03	FELF-INF	G0212-02A	V5I4955	1111
04	TRIP BLANK	G0212-03A	V5I4956	1137
05	VHBLK5F	VHBLK5F	V5I4961	1352
06				
07				
08				
09				
10				
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12				
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29				
30				

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: MB-35054

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4952

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

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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.

VBLK5F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: MB-35054

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4952

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

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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	3	J
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5F

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4961

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

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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.

VHBLK5F

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: VHBLK5F

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5I4961

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

% Moisture: not dec. _____ Date Analyzed: 02/26/08

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

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0212

EPA Sample No. (VSTD050##): VSTD0505F Date Analyzed: 02/26/08

Lab File ID (Standard): V5I4951 Time Analyzed: 0911

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	118147	4.92	614571	5.90	499433	8.99
	UPPER LIMIT	236294	5.42	1229142	6.40	998866	9.49
	LOWER LIMIT	59074	4.42	307286	5.40	249717	8.49
	EPA SAMPLE						
01	VBLK5F	135770	4.92	667923	5.92	533799	8.99
02	V5FLCS	123488	4.92	613845	5.92	492133	8.99
03	FELF-EFF	140291	4.92	676939	5.91	554624	8.99
04	FELF-INF	122667	4.92	601342	5.91	478073	9.00
05	TRIP BLANK	128617	4.92	608915	5.91	502546	8.99
06	VHBLK5F	236132	4.92	1127270	5.91	907625	9.00
07							
08							
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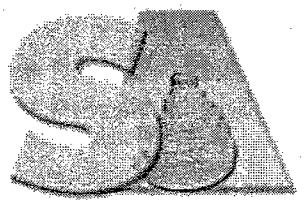
16							
17							
18							
19							
20							
21							
22							

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 LABORATORIES



* PCB Organics *

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: G0212-01E

Sample wt/vol: 2000 (g/ml) ML Lab File ID: E1G4894F

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/19/08

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/21/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/24/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.050	U
11104-28-2	Aroclor-1221	0.050	U
11141-16-5	Aroclor-1232	0.050	U
53469-21-9	Aroclor-1242	0.050	U
12672-29-6	Aroclor-1248	0.050	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.050	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK1Q

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: MB-35000

Sample wt/vol: 2000 (g/ml) ML Lab File ID: E1G4891F

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

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/21/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/24/08

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.050	U
11104-28-2	Aroclor-1221	0.050	U
11141-16-5	Aroclor-1232	0.050	U
53469-21-9	Aroclor-1242	0.050	U
12672-29-6	Aroclor-1248	0.050	U
11097-69-1	Aroclor-1254	0.050	U
11096-82-5	Aroclor-1260	0.050	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A1QLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: LCS-35000

Sample wt/vol: 2000 (g/ml) ML Lab File ID: E1G4892F

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

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/21/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/24/08

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	0.060	
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	0.11	

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A1QLCSD

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

Matrix: (soil/water) WATER Lab Sample ID: LCSD-35000

Sample wt/vol: 2000 (g/ml) ML Lab File ID: E1G4893F

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

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/21/08

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/24/08

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	0.078	
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	0.13	

FORM 2
WATER PCB SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

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	ABLK1Q	35	33	47	53			0
02	A1QLCS	27	28	49	56			0
03	A1QLCSD	39	40	59	67			0
04	FELF-EFF	30	30	36	40			0
05								
06								
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ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (27-118)
S2 (DCB) = Decachlorobiphenyl (20-129)

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

FORM 3
WATER PCB LAB CONTROL SAMPLE

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

Matrix Spike - Sample No.: A1QLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Aroclor-1016	0.20		0.060	30	25-140
Aroclor-1260	0.20		0.11	55	30-145

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.20	0.078	39	26	30	25-140
Aroclor-1260	0.20	0.13	65	17	30	30-145

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS: _____

_____

FORM 4
PCB METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK1Q

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

Lab Sample ID: MB-35000 Lab File ID: E1G4891F

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

Sulfur Cleanup (Y/N) Y Date Extracted: 02/21/08

Date Analyzed (1): 02/24/08 Date Analyzed (2): 02/24/08

Time Analyzed (1): 1335 Time Analyzed (2): 1335

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	A1QLCS	LCS-35000	02/24/08	02/24/08
02	A1QLCSD	LCSD-35000	02/24/08	02/24/08
03	FELF-EFF	G0212-01E	02/24/08	02/24/08
04				
05				
06				
07				
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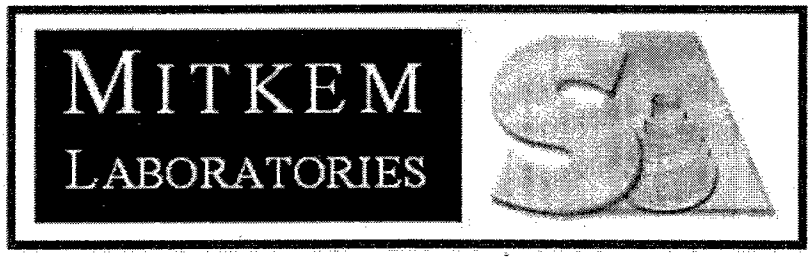
26				

COMMENTS: _____

FORM IV PCB



* 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.: MG0212

Matrix (soil/water): WATER Lab Sample ID: G0212-01

Level (low/med): MED Date Received: 02/19/2008

% 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	554			P
7440-36-0	Antimony	3.9	B		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	44.7	B		P
7440-41-7	Beryllium	0.063	B		P
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium	45600			P
7440-47-3	Chromium	0.70	B		P
7440-48-4	Cobalt	0.97	B		P
7440-50-8	Copper	3.6	B		P
7439-89-6	Iron	2160			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	11300			P
7439-96-5	Manganese	215			P
7439-97-6	Mercury	0.040	U		CV
7440-02-0	Nickel	3.4	B		P
7440-09-7	Potassium	6140			P
7782-49-2	Selenium	6.8			P
7440-22-4	Silver	3.3	B		P
7440-23-5	Sodium	9640			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	1.4	B		P
7440-66-6	Zinc	8.6	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.: MG0212

Matrix (soil/water): WATER Lab Sample ID: G0212-02

Level (low/med): MED Date Received: 02/19/2008

% 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	197	B		P
7440-36-0	Antimony	4.0	B		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	62.5	B		P
7440-41-7	Beryllium	0.040	U		P
7440-43-9	Cadmium	0.53	B		P
7440-70-2	Calcium	87500			P
7440-47-3	Chromium	2.3	B		P
7440-48-4	Cobalt	3.9	B		P
7440-50-8	Copper	0.60	B		P
7439-89-6	Iron	21300			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	22600			P
7439-96-5	Manganese	2430			P
7439-97-6	Mercury	0.040	U		CV
7440-02-0	Nickel	5.2	B		P
7440-09-7	Potassium	3560	B		P
7782-49-2	Selenium	8.4			P
7440-22-4	Silver	3.2	B		P
7440-23-5	Sodium	43900			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	0.96	B		P
7440-66-6	Zinc	6.5	B		P

Color Before YELLOW Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: MB-35027

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

FIMS1_080225C

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Mercury	-0.106	B	-0.081	B	-0.108	B	-0.109	B	-0.108	B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: MB-35033

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

OPTIMA3_080225A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	58.2	B	38.3	B	33.6	U	35.9	B	33.560	U	
Sodium	14.1	U	14.1	U	26.9	B	16.5	B	14.090	U	

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

Preparation Blank Matrix (soil/water): WATER

Method Blank ID: MB-35033

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

OPTIMA3_080225B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Selenium	4.2	B	3.6	U	3.6	U			3.610	U	

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-35033

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

OPTIMA3_080225D

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	6.2	U	6.2	U	6.2	U	6.2	U	6.597	B	
Antimony	2.1	B	2.5	B	3.2	B	3.6	B	2.619	B	
Arsenic	2.8	U	2.9	B	2.9	U	2.9	U	2.850	U	
Barium	0.8	B	0.8	B	0.5	B	0.4	B	3.763	B	
Beryllium	0.0	U	0.0	U	0.0	U	0.0	B	0.040	U	
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	0.160	U	
Calcium	43.8	U	43.8	U	43.8	U	43.8	U	43.790	U	
Chromium	0.2	U	0.1	U	0.1	U	0.1	U	0.150	U	
Cobalt	0.3	B	0.2	B	0.1	U	0.2	B	0.276	B	
Copper	3.6	B	2.8	B	1.5	B	2.3	B	5.057	B	
Iron	1.8	U	1.9	B	1.8	U	3.0	B	47.845	B	
Lead	1.4	U	1.4	U	1.4	U	1.4	U	1.390	U	
Magnesium	12.1	U	12.1	U	12.1	U	12.1	U	12.080	U	
Manganese	0.1	U	0.1	U	0.5	B	0.2	B	2.295	B	
Nickel	0.5	B	0.3	U	0.4	B	0.3	U	0.409	B	
Silver	1.2	B	0.9	B	0.6	B	0.6	U	2.344	B	
Thallium	2.3	B	2.1	U	2.1	U	2.1	U	2.080	U	
Vanadium	0.4	U	0.4	U	0.4	U	0.4	U	0.430	U	
Zinc	2.3	B	1.2	B	0.7	B	1.4	B	11.716	B	

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: LCS-35033

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	8916.83	98.0						
Antimony	455.0	433.25	95.2						
Arsenic	455.0	460.78	101.3						
Barium	9100.0	9421.18	103.5						
Beryllium	227.0	242.29	106.7						
Cadmium	227.0	226.99	100.0						
Calcium	22700.0	22422.86	98.8						
Chromium	910.0	948.87	104.3						
Cobalt	2270.0	2405.90	106.0						
Copper	1130.0	1151.00	101.9						
Iron	4550.0	4712.29	103.6						
Lead	455.0	454.84	100.0						
Magnesium	22700.0	23262.56	102.5						
Manganese	2270.0	2337.20	103.0						
Nickel	2270.0	2409.66	106.2						
Potassium	22700.0	23601.26	104.0						
Selenium	455.0	488.35	107.3						
Silver	1130.0	1102.24	97.5						
Sodium	22700.0	23555.54	103.8						
Thallium	455.0	436.83	96.0						
Vanadium	2270.0	2283.46	100.6						
Zinc	2270.0	2428.31	107.0						

MITKEM LABORATORIES

* Wet Chemistry *

Mitkem Laboratories

Date: *22-Feb-08*

Client: Earth Tech
Client Sample ID: FELF-EFF
Lab ID: G0212-01

Project: Fort Edward Landfill
Collection Date: 02/18/08 10:35

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS				**SM2540_TDS**			
Total Dissolved Solids	220		10	mg/L	1	02/20/2008 13:30	34986
TOTAL SUSPENDED SOLIDS				**SM2540_TSS**			
Total Suspended Solids	ND		10	mg/L	1	02/20/2008 13:30	34987
PHENOLS by 4-Aminoantipyrine Method				**SM5530_W**			
Phenolics, Total Recoverable	ND		0.20	mg/L	1	02/20/2008 8:40	34980

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 Laboratories

Date: *22-Feb-08*

Client: Earth Tech
Client Sample ID: FELF-INF
Lab ID: G0212-02

Project: Fort Edward Landfill
Collection Date: 02/18/08 10:55

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS				**SM2540_TDS**			
Total Dissolved Solids	490		10	mg/L	1	02/20/2008 13:30	34986
TOTAL SUSPENDED SOLIDS				**SM2540_TSS**			
Total Suspended Solids	31		10	mg/L	1	02/20/2008 13:30	34987

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: G0212
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: **SM2540_TDS**

Sample ID: **MB-34986** SampType: **MBLK** TestCode: **SM2540_TDS** Prep Date: **2/20/2008** Run ID: **MANUAL_080220A**
Client ID: **MB-34986** Batch ID: **34986** Units: **mg/L** Analysis Date: **2/20/2008** SeqNo: **765517**

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-34986** SampType: **LCS** TestCode: **SM2540_TDS** Prep Date: **2/20/2008** Run ID: **MANUAL_080220A**
Client ID: **LCS-34986** Batch ID: **34986** Units: **mg/L** Analysis Date: **2/20/2008** SeqNo: **765516**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	888.0	10	925.0	0	96.0	80	120	0			

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: G0212
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2540_TSS

Sample ID: MB-34987	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 2/20/2008	Run ID: MANUAL_080220B
Client ID: MB-34987	Batch ID: 34987	Units: mg/L	Analysis Date: 2/20/2008	SeqNo: 765522

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-34987	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 2/20/2008	Run ID: MANUAL_080220B
Client ID: LCS-34987	Batch ID: 34987	Units: mg/L	Analysis Date: 2/20/2008	SeqNo: 765521

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	90.00	10	88.80	0	101	80	120	0			

Sample ID: G0212-02CDUP	SampType: DUP	TestCode: SM2540_TSS	Prep Date: 2/20/2008	Run ID: MANUAL_080220B
Client ID: FELF-INF	Batch ID: 34987	Units: mg/L	Analysis Date: 2/20/2008	SeqNo: 765520

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	32.00	10	0	0	0	0	0	31.00	3.17	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: G0212
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM5530_W

Sample ID: MB-34980	SampType: MBLK	TestCode: SM5530_W	Prep Date: 2/20/2008	Run ID: SPEC2_080220B
Client ID: MB-34980	Batch ID: 34980	Units: mg/L	Analysis Date: 2/20/2008	SeqNo: 765490

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-34980	SampType: LCS	TestCode: SM5530_W	Prep Date: 2/20/2008	Run ID: SPEC2_080220B
Client ID: LCS-34980	Batch ID: 34980	Units: mg/L	Analysis Date: 2/20/2008	SeqNo: 765489

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.2940	0.20	0.3000	0	98.0	80	120	0			

Sample ID: G0212-01BMS	SampType: MS	TestCode: SM5530_W	Prep Date: 2/20/2008	Run ID: SPEC2_080220B
Client ID: FELF-EFF	Batch ID: 34980	Units: mg/L	Analysis Date: 2/20/2008	SeqNo: 765488

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.9090	0.20	1.000	0	90.9	75	125	0			

Sample ID: G0212-01BDUP	SampType: DUP	TestCode: SM5530_W	Prep Date: 2/20/2008	Run ID: SPEC2_080220B
Client ID: FELF-EFF	Batch ID: 34980	Units: mg/L	Analysis Date: 2/20/2008	SeqNo: 765487

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	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

Last Page of Data Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

April 9, 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 #: G0360

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

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 :** G0360

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
FELF EFF	G0360-01	OLM4.2_VOA_W			ILM4.1_HG_W	SEE DATA
FELF EFF	G0360-01				ILM4.1_ICP_W	
FELF INF	G0360-02	OLM4.2_VOA_W			ILM4.1_HG_W	
FELF INF	G0360-02				ILM4.1_ICP_W	
TRIP BLANK	G0360-03	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 :** G0360

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
G0360-01A	AQ	3/20/2008	3/21/2008	NA	3/21/2008
G0360-02A	AQ	3/20/2008	3/21/2008	NA	3/21/2008
G0360-03A	AQ	3/13/2008	3/21/2008	NA	3/21/2008

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0360

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
G0360-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0360-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0360-03A	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 :** G0360

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
G0360-01C	AQ	ILM4.1_HG_W	3/21/2008	3/31/2008
G0360-02B	AQ	ILM4.1_HG_W	3/21/2008	3/31/2008
ILM4.1_ICP_W				
G0360-01C	AQ	ILM4.1_ICP_W	3/21/2008	3/31/2008
G0360-02B	AQ	ILM4.1_ICP_W	3/21/2008	3/31/2008

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MG0360

Mitkem Work Order ID: G0360

April 9, 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 March 21, 2008. 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 4.2 Volatile Analysis:

Samples were preserved with hydrochloric acid with pH<2.

Surrogate recovery: recoveries were within the QC limits.

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

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

3. ILM 4.1 Metals Analysis:

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

Samples were preserved with nitric acid with pH<2.

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

Sample analysis: serial dilution was performed on sample FELF-INF. Percent differences were within the QC limits. 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.

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

Matrix spike analysis: matrix spike analysis was performed on sample FELF-EFF for phenols. Spike recovery was 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
04/09/08

Sample Transmittal Documentation

Mitkem Laboratories

09/Apr/08 9:09

WorkOrder: G0360

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: 04/11/08
Fax Due: 04/04/08

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0360-01A	FELF EFF	03/20/2008 8:40	03/21/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G0360-01B	FELF EFF	03/20/2008 8:40	03/21/2008	Aqueous	SM5530_W		☐	☐	☐	F1
G0360-01C	FELF EFF	03/20/2008 8:40	03/21/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G0360-01D	FELF EFF	03/20/2008 8:40	03/21/2008	Aqueous	SM2540_TDS		☐	☐	☐	F1
					SM2540_TSS		☐	☐	☐	F1
G0360-02A	FELF INF	03/20/2008 9:00	03/21/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G0360-02B	FELF INF	03/20/2008 9:00	03/21/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G0360-03A	TRIP BLANK	03/13/2008 0:00	03/21/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA

Client Rep: Shirley S Ng

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Earth Tech
40 British American Blvd.
Latham NY 12110

Project Mgr.: Stephen Choiniere

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 99163.02
Site Name: Fort Edward LF
Location: _____ State: NY
Sampler(s): SG

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: OLM4.2	Phenols	ILM4.1	TDS/TSS	QA Reporting Notes: (check if needed)
G0360															☐ Provide MA DEP MCP CAM Report ☐ Provide CT DEP RCP Report QA/QC Reporting Level ☐ Standard ☐ No QC ☐ Other _____ State specific reporting standards:
01	FELF EFF	3/20/08	8:40	G	GW		2	1		2	X	X	X	X	
02	FELF INF	3/20/08	9:00	G	GW		2			1	X		X		
03	Trip Blank	3/13/08	—				2				X				

☐ Fax results when available to (_____) _____
☐ E-mail to _____
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☑ °C 2

Relinquished by:	Received by:	Date:	Time:
Steve Gray		3/20/08	1:45
	Veronica Gaulin	3/21/08	8:40

MITKEM LABORATORIES

Sample Condition Form

Received By: VEG | Reviewed By: MLW | Date: 3/21/08 | MITKEM Workorder #: G03360

Client Project: Fort Ed Landfill | Client: Earth NY

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 2°C
Coolant Condition ICE

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx
8641 9718 2115

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 3/21/08

9) Time Received 8:40

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"
G03360	01	<2	<2			H	
G03360	02	<2				H	
G03360	03					H	
	01 Vegetation						
	0						

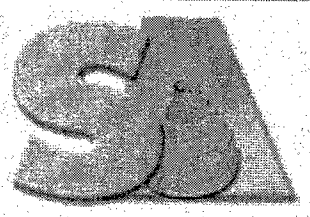
VOA Matrix Key:

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



OLM 4.2

* 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.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: G0360-01A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5654.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF EFF

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: G0360-01A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5654.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF EFF

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: G0360-01A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5654.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FELF INF

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: G0360-02A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5656.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	67	
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	140	
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	3.8	J
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

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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.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: G0360-02A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5656.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
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	2.7	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	5.1	J
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

FELF INF

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: G0360-02A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5656.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: G0360-03A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5655.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: G0360-03A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5655.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
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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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: G0360-03A

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5655.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VR5LCS

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: LCS-35400

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5653.D

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

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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	53	
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	55	
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	56	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	55	
10061-02-6	trans-1,3-Dichloropropene	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VR5LCS

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: LCS-35400

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5653.D

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

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
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	57	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKR5

Lab Name: Mitkem Laboratories Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0360

Matrix: (soil/water) WATER Lab Sample ID: MB-35400

Sample wt/vol: 5 (G/ML) ML Lab File ID: V5I5652.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 03/21/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µL) Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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
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

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKR5

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: MB-35400

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5652.D

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

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
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

VBLKR5

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: MB-35400

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5652.D

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

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

1A

EPA SAMPLE NO.

VHBLKR5

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: VHBLKR5

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5666.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/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
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKR5

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: VHBLKR5

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5666.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
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

EPA SAMPLE NO.

VHBLKR5

Lab Name: Mitkem Laboratories | Contract:

Lab Code: MITKEM | Case No.: | SAS No.: | SDG No.: MG0360

Matrix: (soil/water) WATER | Lab Sample ID: VHBLKR5

Sample wt/vol: 5 (G/ML) ML | Lab File ID: V5I5666.D

Level: (low/med) LOW | Date Received: 03/21/2008

% Moisture: not dec. | Date Analyzed: 03/21/2008

GC Column: DB-624 | ID: 0.25 (mm) | Dilution Factor: 1.00

Soil Extract Volume: (µL) | Soil Aliquot Volume: 0 (µL)

Number TICs found: 0

CONCENTRATION UNITS: UG/L

CAS NO.	COMPOUND	RT	ESTIMATED CONCENTRATION	Q

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Mitkem Laboratories Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0360

	EPA SAMPLE NO.	SMC1 TOL #	SMC2 BFB #	SMC3 DCE #		TOT OUT
01	VBLKR5	103	101	96		0
02	VR5LCS	97	99	97		0
03	FELF EFF	100	102	97		0
04	TRIP BLANK	100	98	100		0
05	FELF INF	99	99	97		0
06	VHBLKR5	102	99	98		0

		QC Limits
SMC 1 TOL	= Toluene-d8	(88-110)
SMC 2 BFB	= Bromofluorobenzene	(86-115)
SMC 3 DCE	= 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM II VOA-1

3A

WATER VOLATILE LABORATORY CONTROL SAMPLE/DUPLICATE RECOVERY

Lab Name: Mitkem Laboratories Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MG0360

Matrix Spike - EPA Sample No.: VR5LCS

COMPOUND	SPIKE ADDED (µg/L)	BLANK CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	53	106	61-145
Benzene	50	0	55	110	76-127
Trichloroethene	50	0	56	112	71-120
Toluene	50	0	55	110	76-125
Chlorobenzene	50	0	57	114	75-130

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

* Values outside of QC limits

COMMENTS: _____

_____

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLKR5

Lab Name: Mitkem Laboratories Contract:

Lab Code: MITKEM Case No.: SAS No.: _____ SDG No.: MG0360

Lab File ID: V5I5652.D Lab Sample ID: MB-35400

Date Analyzed: 03/21/08 Time Analyzed: 16:39

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

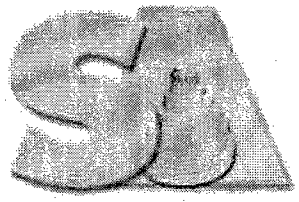
Instrument ID: V5

THIS METHOD BLANK APPLIES TO THE FOLLOWING:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VR5LCS	LCS-35400	V5I5653.D	17:05
02	FELF EFF	G0360-01A	V5I5654.D	17:31
03	TRIP BLANK	G0360-03A	V5I5655.D	17:58
04	FELF INF	G0360-02A	V5I5656.D	18:25
05	VHBLKR5	VHBLKR5	V5I5666.D	22:51

COMMENTS: _____

MITKEM
LABORATORIES



ILM 4.1

* Metals *

U.S.EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0360

SOW No.: ILM04.1

EPA Sample No.	Lab Sample ID
FELF EFF	G0360-01
FELF INF	G0360-02

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

Comments:

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

Signature: Karolina Badura Name: KAROLINA BADURA

Date: 4/3/08 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.: MG0360

Matrix (soil/water): WATER Lab Sample ID: G0360-01

Level (low/med): MED Date Received: 03/21/2008

% 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	1810			P
7440-36-0	Antimony	1.8	U		P
7440-38-2	Arsenic	2.8	U		P
7440-39-3	Barium	38.4	B		P
7440-41-7	Beryllium	0.073	B		P
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium	30600			P
7440-47-3	Chromium	2.9	B		P
7440-48-4	Cobalt	1.4	B		P
7440-50-8	Copper	10.0	B		P
7439-89-6	Iron	2500			P
7439-92-1	Lead	1.8	B		P
7439-95-4	Magnesium	7750			P
7439-96-5	Manganese	202			P
7439-97-6	Mercury	0.040	U		CV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	3720	B		P
7782-49-2	Selenium	3.6	U		P
7440-22-4	Silver	5.7	B		P
7440-23-5	Sodium	6100			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	3.3	B		P
7440-66-6	Zinc	16.2	B		P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

1

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.: MG0360

Matrix (soil/water): WATER Lab Sample ID: G0360-02

Level (low/med): MED Date Received: 03/21/2008

% 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	6.2	U		P
7440-36-0	Antimony	1.8	U		P
7440-38-2	Arsenic	8.1	B		P
7440-39-3	Barium	134	B		P
7440-41-7	Beryllium	0.040	U		P
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium	104000			P
7440-47-3	Chromium	0.22	B		P
7440-48-4	Cobalt	5.1	B		P
7440-50-8	Copper	4.4	B		P
7439-89-6	Iron	46300			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	29300			P
7439-96-5	Manganese	2160			P
7439-97-6	Mercury	0.040	U		CV
7440-02-0	Nickel	6.8	B		P
7440-09-7	Potassium	12900			P
7782-49-2	Selenium	9.8			P
7440-22-4	Silver	4.7	B		P
7440-23-5	Sodium	81400			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	0.43	U		P
7440-66-6	Zinc	6.2	B		P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0360

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-35515**

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

FIMS1_080331A

	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Mercury	0.040	U	0.040	U	0.040	U			0.040	U	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0360

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-35511**

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

OPTIMA3_080331A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	33.6	U	33.6	U	33.6	U	33.6	U	33.560	U	
Sodium	14.1	U	14.1	U	17.5	B	14.1	U	14.090	U	

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0360

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-35511**

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

OPTIMA3_080331B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	6.2	U	11.0	B	6.2	U	6.2	U	10.881	B	
Antimony	1.8	U	1.8	U	1.8	U	2.0	B	1.780	U	
Arsenic	2.8	U	2.9	U	2.9	U	2.9	U	2.850	U	
Barium	0.5	B	0.9	B	1.5	B	0.4	B	3.910	B	
Beryllium	0.0	U	0.0	U	0.0	B	0.0	U	0.040	U	
Cadmium	0.2	U	0.2	U	0.2	U	0.2	U	0.160	U	
Calcium	43.8	U	43.8	U	43.8	U	43.8	U	43.790	U	
Chromium	0.2	U	0.2	B	0.1	U	0.1	U	0.430	B	
Cobalt	0.1	U	0.2	B	0.2	B	0.1	U	0.156	B	
Copper	5.2	B	3.0	B	1.9	B	2.2	B	5.325	B	
Iron	1.8	U	1.8	B	1.8	U	1.8	U	45.875	B	
Lead	1.4	U	1.4	U	1.4	U	1.4	U	1.390	U	
Magnesium	12.1	U	13.9	B	12.1	U	12.1	U	19.745	B	
Manganese	0.1	U	0.2	B	0.5	B	0.1	U	2.956	B	
Nickel	0.3	U	0.3	U	0.4	B	0.3	U	0.328	B	
Selenium	3.6	U	3.6	U	3.6	U	3.6	U	3.610	U	
Silver	0.6	U	0.6	U	0.6	U	0.6	U	5.605	B	
Thallium	2.1	U	2.1	U	2.1	U	2.1	U	2.080	U	
Vanadium	0.4	U	0.4	U	0.4	U	0.6	B	0.430	U	
Zinc	1.9	B	2.1	B	1.3	B	1.3	B	6.985	B	

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 99163.04

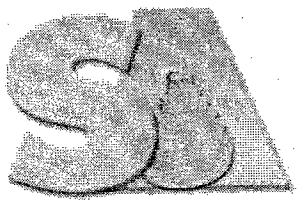
Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0360

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-35511**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9211.41	101.2						
Antimony	455.0	489.41	107.6						
Arsenic	455.0	483.11	106.2						
Barium	9100.0	9403.79	103.3						
Beryllium	227.0	242.90	107.0						
Cadmium	227.0	245.10	108.0						
Calcium	22700.0	23001.94	101.3						
Chromium	910.0	961.25	105.6						
Cobalt	2270.0	2429.92	107.0						
Copper	1130.0	1141.82	101.0						
Iron	4550.0	4852.83	106.7						
Lead	455.0	488.46	107.4						
Magnesium	22700.0	23700.01	104.4						
Manganese	2270.0	2426.68	106.9						
Nickel	2270.0	2425.29	106.8						
Potassium	22700.0	24213.26	106.7						
Selenium	455.0	496.74	109.2						
Silver	1130.0	1199.51	106.2						
Sodium	22700.0	24413.85	107.6						
Thallium	455.0	473.00	104.0						
Vanadium	2270.0	2316.11	102.0						
Zinc	2270.0	2486.56	109.5						

MITKEM LABORATORIES



* Wet Chemistry *

Mitkem Laboratories

Date: *27-Mar-08*

Client: Earth Tech
Client Sample ID: FELF EFF
Lab ID: G0360-01

Project: Fort Edward Landfill
Collection Date: 03/20/08 8:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS				**SM2540_TDS**			
Total Dissolved Solids	170		10	mg/L	1	03/25/2008 16:00	35439
TOTAL SUSPENDED SOLIDS				**SM2540_TSS**			
Total Suspended Solids	ND		10	mg/L	1	03/25/2008 16:00	35440
PHENOLS by 4-Aminoantipyrine Method				**SM5530_W**			
Phenolics, Total Recoverable	ND		0.20	mg/L	1	03/25/2008 12:10	35443

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: G0360
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: **SM2540_TDS**

Sample ID: **MB-35439**	SampType: **MBLK**	TestCode: **SM2540_TDS**	Prep Date: **3/25/2008**	Run ID: **MANUAL_080325A**
Client ID: **MB-35439**	Batch ID: **35439**	Units: **mg/L**	Analysis Date: **3/25/2008**	SeqNo: **777152**

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-35439**	SampType: **LCS**	TestCode: **SM2540_TDS**	Prep Date: **3/25/2008**	Run ID: **MANUAL_080325A**
Client ID: **LCS-35439**	Batch ID: **35439**	Units: **mg/L**	Analysis Date: **3/25/2008**	SeqNo: **777153**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	850.0	10	870.0	0	97.7	80	120	0			

Sample ID: **G0360-01DDUP**	SampType: **DUP**	TestCode: **SM2540_TDS**	Prep Date: **3/25/2008**	Run ID: **MANUAL_080325A**
Client ID: **FELF EFF**	Batch ID: **35439**	Units: **mg/L**	Analysis Date: **3/25/2008**	SeqNo: **777155**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	170.0	10	0	0	0	0	0	173.0	1.75	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: G0360
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM2540_TSS

Sample ID: MB-35440	SampType: MBLK	TestCode: SM2540_TSS	Prep Date: 3/25/2008	Run ID: MANUAL_080325B
Client ID: MB-35440	Batch ID: 35440	Units: mg/L	Analysis Date: 3/25/2008	SeqNo: 777198

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-35440	SampType: LCS	TestCode: SM2540_TSS	Prep Date: 3/25/2008	Run ID: MANUAL_080325B
Client ID: LCS-35440	Batch ID: 35440	Units: mg/L	Analysis Date: 3/25/2008	SeqNo: 777199

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	39.00	10	45.80	0	85.2	80	120	0			

Sample ID: G0360-01DDUP	SampType: DUP	TestCode: SM2540_TSS	Prep Date: 3/25/2008	Run ID: MANUAL_080325B
Client ID: FELF EFF	Batch ID: 35440	Units: mg/L	Analysis Date: 3/25/2008	SeqNo: 777201

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	

1-159

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: G0360
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

TestCode: SM5530_W

Sample ID: MB-35443	SampType: MBLK	TestCode: SM5530_W		Prep Date: 3/25/2008		Run ID: SPEC2_080325B					
Client ID: MB-35443	Batch ID: 35443	Units: mg/L		Analysis Date: 3/25/2008		SeqNo: 776911					
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-35443	SampType: LCS	TestCode: SM5530_W		Prep Date: 3/25/2008		Run ID: SPEC2_080325B					
Client ID: LCS-35443	Batch ID: 35443	Units: mg/L		Analysis Date: 3/25/2008		SeqNo: 776912					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.2450	0.20	0.3000	0	81.7	80	120	0			

Sample ID: G0360-01BDUP	SampType: DUP	TestCode: SM5530_W		Prep Date: 3/25/2008		Run ID: SPEC2_080325B					
Client ID: FELF EFF	Batch ID: 35443	Units: mg/L		Analysis Date: 3/25/2008		SeqNo: 776914					
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	0	20	

Sample ID: G0360-01BMS	SampType: MS	TestCode: SM5530_W		Prep Date: 3/25/2008		Run ID: SPEC2_080325B					
Client ID: FELF EFF	Batch ID: 35443	Units: mg/L		Analysis Date: 3/25/2008		SeqNo: 776915					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.9020	0.20	1.000	0	90.2	75	125	0			

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