Earth Tech AECOM
40 British American Blvd., Latham, NY 12110
www.earthtech.aecom.com

September 19, 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: Second 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 New York State Department of Environmental Conservation (NYSDEC) work assignment (WA) D004445-19. This letter constitutes the fourth quarterly report regarding operations, maintenance and discharge water quality at the facility. The report describes activities during the months of April, May and June of 2008.

The remedial system has been operating without any problems, although not at full capacity, as of the most recent system inspection on September 15th. Only one of three extraction wells (W-1) is online. The remaining extraction wells will be brought online once controls upgrades, soon to be proposed by Aztech Technologies, are approved by the NYSDEC and implemented.

Sampling Results

Earth Tech conducted monthly sampling of influent and effluent water on April 24, May 13 and June 23, 2008. The samples were submitted to 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 May 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 May *influent* sample was approximately 1,849 ug/L, the highest to date; the April and June samples both reported about 450 ug/L of total VOCs. The 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 treatment system, so inflows from the collection trench cannot be related to inflows from the extraction well. Moreover, samples cannot be drawn from individual influent streams for chemical analysis. Concentrations of iron in the three influent samples ranged from 28,000 to 38,000 ug/L.

The monthly *effluent* samples met all limitations for VOCs, TDS, TSS, phenolics, and PCBs. The only exceedances of metal ELMRs were for iron (ELMR is 300 ug/L) in two effluent samples: 1,450 ug/L and 586 ug/L in May and June 2008, respectively. Despite the exceedances, the treatment process has effectively removed over 95 percent of the influent iron. The April sample met all effluent limitations.

System Maintenance

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

April 11 - Backflushed the four holding tank discharge pumps (P-201 & P-204). Inspected *phragmites* cells for "runners." Observed good discharge flow from effluent collection sump to polishing pond. Reconfigured sampling port at feeder canal; it had been tampered with such that is was not useable for effluent sample collection.

April 24 - Backflushed the four holding tank discharge pumps. Performed monthly sampling. Cut up and removed three trees that had fallen onto mowed areas of the cap.

April 30 – Installed 2-inch sump pump in collection trench sump (W-4) to draw water down prior to manned entry. Discharge line directed to roadside swale. Installed two handles on aluminum manhole cover to facilitate handling.

May 13 - Backflushed the four holding tank discharge pumps. Performed monthly sampling. Collected effluent sample at head of polishing pond; effluent sampling port at feeder canal was under seasonal high water. Installed elbow and cam locks on W-4 discharge line to eliminate kink at top of manhole. Observed standing water in treatment cells. Reset tripped breaker on W-5 pump (effluent collection sump).

June 4 and 5 – Reconfigured discharge piping in W-4 manhole. Installed new pump, which immediately tripped breaker. Determined pump was single-phase, while power supply was three-phase. Installed submersible pump in W-4; connected to new plumbing and directed discharge to treatment plant.

June 13 - Backflushed the four holding tank discharge pumps. Reset tripped breaker on W-5 effluent pump. Performed general inspection of treatment cells.

Mr. Payson Long
NYSDEC
September 19, 2008

June 23 - Backflushed the four holding tank discharge pumps. Performed monthly sampling. Installed new three-phase motor on pump in W-4 manhole. Determined that the pump is not controlled by the (properly functioning) water-level sensor in W-4 manhole. Once again installed the float-controlled submersible pump in W-4; directed discharge to treatment plant.

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	4/24/08	5/13/08	6/23/08	
Vinyl Chloride	ug/L	210 D	43	170			510 D		67	180	780 D	180 D	
1,1-Dichloroethene	"						4 J				6.9 J		
trans-1,2-Dichloroethene	"			3 J			7 J			3.1 J	11		
cis-1,2-Dichloroethene	"	190	85	310 D			690 D		140	270 D	1,000 D	240 D	
Benzene	"			6 J			15		3.8 J	3.7 J	23	3.4 J	
Toluene	"			7 J			12						
Chlorobenzene	"			4 J			10		2.7 J	2.9 J	15	3.0 J	
Ethylbenzene	"						3 J				3.1 J		
Xylene (total)	"			11			27		5.1 J	4.9 J	3.9 J	4.9 J	
Isopropylbenzene	"						4 J				5.7 J		
Arsenic	"		5.1 B	105					8.1 B			4.6 B	
Barium	"	110 B	107 B	286	47.2 B	62.0 B	263	62.5 B	134 B	89.8 B	270	91.9 B	
Cadmium	"			0.61 B		0.23 B		0.53 B				0.24 B	
Chromium	"						1.2 B	2.3 B	0.22 B			0.45 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	6.3 B	8.4 B	4.3 B	
Copper	"		1.2 B	26.6	4.5 B	1.0 B		0.60 B	4.4 B	2.5 B	3.3 B	3.2 B	
Iron	"	39,800	40,500	187,000	15,800	18,200	44,200	21,300	46,300	32,700	27,600	38,100	
Lead	"		3.5	8.6		1.8 B	1.6 B			1.6 B		2.0 B	
Mercury	"				0.062 B		0.086 B				0.084 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	6.6 B	23.5 B	5.1 B	
Vanadium	"	0.81 B	1.8 B	14.0 B	1.6 B	1.2 B	4.7 B	0.96 B		1.0 B	1.8 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	4.5 B	8.5 B	12.0 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	4/24/08	5/13/08	6/23/08		
Vinyl Chloride	ug/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		50
Chloroethane	"	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		20
Methylene Chloride	"	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		50
1,1-Dichloroethane	"	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		30
1,2-Dichloroethene (Total)	"	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		30
Chloroform	"	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		150
Bromodichloromethane	"	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		30
Benzene	"	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		10
Toluene	"	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		10
Chlorobenzene	"	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		10
Ethylbenzene	"	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10		10
Xylenes, Total	"	<10	<10	<10	<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	<0.20	<0.20	<0.20		Monitor
PCB, Aroclor 1016	ug/L	<0.050	NA	NA	<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	NA	<0.050	NA		0.065
PCB, Aroclor 1242	"	<0.050	NA	NA	<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	7	NA	6.9		6.0-9.0
Arsenic, Total	ug/L	<4.6	<4.6	**15.5**	<2.9	<2.9	<2.8	<2.8	<2.8	<2.8	<3.3	<2.5		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**	**29.0 B**	**40.1**	**27.7 B**		Monitor
Cadmium, Total	"	<0.10	<0.10	<0.20	<0.20	<0.20	<0.16	<0.16	<0.16	<0.16	<0.08	<0.13		1
Chromium, Total	"	**0.38 B**	<0.20	**0.68 B**	<0.30	<0.30	<0.15	**0.70 B**	**2.9 B**	**0.23 B**	<0.44	**0.79 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**	**1.6 B**	**1.3 B**	**0.65 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**	**4.4 B**	**16.7 B**	**5.3 B**		24
Iron, Total	"	**20,100**	**9,460**	**35,600**	**2,080**	**569**	**123**	**2,160**	**2,500**	**270**	**1,450**	**586**		300
Lead, Total	"	**1.3 B**	**4.0**	**9.4**	<1.1	**1.2 B**	<1.4	<1.4	**1.8 B**	**1.9 B**	**1.6 B**	**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	<0.040	**0.092 B**	<0.06		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**	**3.2 B**	**2.7 B**	**3.4 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**	<0.43	**0.52 B**	**0.85 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**	**11.5 B**	**27.7**	**22.2**		170
Total Dissolved Solids	mg/L	**620**	**600**	**520**	**370**	**430**	**320**	**220**	**170**	**310**	**380**	**360**		500
Total Suspended Solids	"	**100**	**46**	**78**	<10	<10	<10	<10	<10	<10	<10	<10		50

NOTES:
August, September, October 2007 & May 2008 effluent samples were 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

May 16, 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 #: G0579

Dear Mr. Choiniere:

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

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

We appreciate your business.

Sincerely,

Shirley S. Ng
Project Manager

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

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0579

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
FELF-EFF	G0579-01	OLM4.2_VOA_W			ILM4.1_HG_W	SEE DATA
FELF-EFF	G0579-01				ILM4.1_ICP_W	
FELF INF	G0579-02	OLM4.2_VOA_W			ILM4.1_HG_W	
FELF INF	G0579-02				ILM4.1_ICP_W	
TRIP BLANK	G0579-03	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 :** G0579

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
G0579-01A	AQ	4/24/2008	4/25/2008	NA	5/1/2008
G0579-02A	AQ	4/24/2008	4/25/2008	NA	5/1/2008
G0579-02ADL	AQ	4/24/2008	4/25/2008	NA	5/1/2008
G0579-03A	AQ	4/24/2008	4/25/2008	NA	5/1/2008

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0579

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
G0579-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0579-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0579-02ADL	AQ	OLM4.2_VOA_W	NA	LOW	2.5
G0579-03A	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 :** G0579

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
G0579-01C	AQ	ILM4.1_HG_W	4/25/2008	4/29/2008
G0579-02B	AQ	ILM4.1_HG_W	4/25/2008	4/29/2008
ILM4.1_ICP_W				
G0579-01C	AQ	ILM4.1_ICP_W	4/25/2008	4/29/2008
G0579-02B	AQ	ILM4.1_ICP_W	4/25/2008	4/29/2008

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MG0579

Mitkem Work Order ID: G0579

May 16, 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 Laboratories 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 April 25, 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.

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: due to high concentration of target analytes, sample FELF INF was re-analyzed at 2.5x 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.

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 performed 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
05/16/08

Mitkem Laboratories — *16/May/08 9:31* — WorkOrder: G0579

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: 05/16/08
Fax Due: 05/09/08

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0579-01A	FELF-EFF	04/24/2008 9:50	04/25/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G0579-01B	FELF-EFF	04/24/2008 9:50	04/25/2008	Aqueous	SM5530_W		☐	☐	☐	F1
G0579-01C	FELF-EFF	04/24/2008 9:50	04/25/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G0579-01D	FELF-EFF	04/24/2008 9:50	04/25/2008	Aqueous	SM2540_TDS		☐	☐	☐	F1
					SM2540_TSS		☐	☐	☐	F1
G0579-02A	FELF INF	04/24/2008 10:20	04/25/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G0579-02B	FELF INF	04/24/2008 10:20	04/25/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G0579-03A	TRIP BLANK	04/24/2008 0:00	04/25/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA

Client Rep: Shirley S Ng

Sample Transmittal Documentation

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.: Steve Choiniere

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 99163.02
Site Name: Ft. Edward L.F.
Location: Fort Edward State: NY
Sampler(s): SRC

1=Na_2S2O_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: (GOSTF)	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: OLM4.2 VOA	Phenols	ILM4.1	TDS/TSS	QA Reporting Notes: (check if needed)
01	FELF-EFF	4/24/08	9:50	G	GW	2,3,4	2	1		2	X	X	X	X	
02	FELF INF	4/24/08	10:20	G	GW	2,4	2			1	X		X		
03	Trip Blank	—	—				2				X				

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DEP RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: _____

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

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 4

Relinquished by:	Received by:	Date:	Time:
Steve Dy	—	4/24/08	12:20
—	[signature]	4-25-08	9:06
—	—		

1588

MITKEM LABORATORIES

Sample Condition Form

Received By: CAN | Reviewed By: SN | Date: 4-25-08 | MITKEM Workorder #: G0579

Client Project: Fort - Ed - Landfill | Client: EARTHWORKS

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
864119470855 9

7) Sample Bottles (Intact) / Broken/Leaking

8) Date Received 4-25-08

9) Time Received 9:00

Preservative Name/Lot No:

Lab Sample ID		Preservation (pH) HNO_3	Preservation (pH) H_2SO_4	Preservation (pH) HCl	Preservation (pH) NaOH	VOA Matrix	Soil Headspace or Air Bubbles ≥ 1/4"
G0579	01	<2	<2			H	
	02	<2				H	
G0579	02					H	

CAN 4-25-08

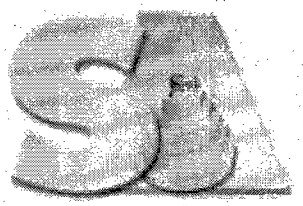
VOA Matrix Key:

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 - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4273.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4273.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4273.D

Level: (TRACE or LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF INF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4271.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

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	180	
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	3.1	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	240	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	3.7	J
107-06-2	1,2-Dichloroethane	10	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF INF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4271.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

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	2.9	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	4.9	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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FELF INF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4271.D

Level: (TRACE or LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF INFDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-02ADL

Sample wt/vol: #Error (g/mL) ML Lab File ID: V2K4274.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.5

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	25	U
74-87-3	Chloromethane	25	U
75-01-4	Vinyl chloride	160	D
74-83-9	Bromomethane	25	U
75-00-3	Chloroethane	25	U
75-69-4	Trichlorofluoromethane	25	U
75-35-4	1,1-Dichloroethene	25	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25	U
67-64-1	Acetone	25	U
75-15-0	Carbon disulfide	25	U
79-20-9	Methyl acetate	25	U
75-09-2	Methylene chloride	25	U
156-60-5	trans-1,2-Dichloroethene	25	U
1634-04-4	Methyl tert-butyl ether	25	U
75-34-3	1,1-Dichloroethane	25	U
156-59-2	cis-1,2-Dichloroethene	270	D
78-93-3	2-Butanone	25	U
67-66-3	Chloroform	25	U
71-55-6	1,1,1-Trichloroethane	25	U
110-82-7	Cyclohexane	25	U
56-23-5	Carbon tetrachloride	25	U
71-43-2	Benzene	25	U
107-06-2	1,2-Dichloroethane	25	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF INFDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-02ADL

Sample wt/vol: #Error (g/mL) ML Lab File ID: V2K4274.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.5

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	25	U
108-87-2	Methylcyclohexane	25	U
78-87-5	1,2-Dichloropropane	25	U
75-27-4	Bromodichloromethane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
79-00-5	1,1,2-Trichloroethane	25	U
127-18-4	Tetrachloroethene	25	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	25	U
106-93-4	1,2-Dibromoethane	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
1330-20-7	Xylene (Total)	5.3	DJ
100-42-5	Styrene	25	U
75-25-2	Bromoform	25	U
98-82-8	Isopropylbenzene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
541-73-1	1,3-Dichlorobenzene	25	U
106-46-7	1,4-Dichlorobenzene	25	U
95-50-1	1,2-Dichlorobenzene	25	U
96-12-8	1,2-Dibromo-3-chloropropane	25	U
120-82-1	1,2,4-Trichlorobenzene	25	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FELF INFDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-02ADL

Sample wt/vol: #Error (g/mL) ML Lab File ID: V2K4274.D

Level: (TRACE or LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.5

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4272.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4272.D

Level: (TRACE/LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0579-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4272.D

Level: (TRACE or LOW/MED) LOW Date Received: 04/25/2008

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V2BLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36159

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4270.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

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	49	
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	52	
107-06-2	1,2-Dichloroethane	10	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V2BLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36159

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4270.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	51	
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	55	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (TOL) #	VDMC2 (BFB) #	VDMC3 (DCE) #					TOT OUT
01	VBLK2B	103	99	106					0
02	V2BLCS	101	98	105					0
03	FELF INF	104	102	104					0
04	TRIP BLANK	102	100	105					0
05	FELF-EFF	104	98	108					0
06	FELF INFDL	100	99	107					0
07	VHBLK2B	101	98	108					0

		QC LIMITS
VDMC1	(TOL) = Toluene-d8	(88-110)
VDMC2	(BFB) = Bromofluorobenzene	(86-115)
VDMC3	(DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLM

3 - FORM III

WATER LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

V2BLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Lab Sample ID: LCS-36159 LCS Lot No.:

Date Extracted: 05/01/2008 Date Analyzed (1): 05/01/2008

Instrument ID (1): V2 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,1-Dichloroethene	50.0000	48.8547	98		61-145
Benzene	50.0000	52.2823	105		76-127
Trichloroethene	50.0000	51.1947	102		71-120
Toluene	50.0000	52.6793	105		76-125
Chlorobenzene	50.0000	54.9293	110		75-130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 5 outside limits.

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLK2B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Lab File ID: V2K4269.D Lab Sample ID: MB-36159

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/01/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 14:55

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V2BLCS	LCS-36159	V2K4270.D	15:24
02	FELF INF	G0579-02A	V2K4271.D	15:53
03	TRIP BLANK	G0579-03A	V2K4272.D	16:21
04	FELF-EFF	G0579-01A	V2K4273.D	16:50
05	FELF INFDL	G0579-02ADL	V2K4274.D	17:18
06	VHBLK2B	VHBLK2B	V2K4275.D	17:47

COMMENTS:

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK2B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36159

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4269.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK2B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36159

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4269.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK2B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36159

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4269.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLK2B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK2B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4275.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLK2B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK2B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4275.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VHBLK2B

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK2B

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4275.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/01/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0579

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 05/01/2008 05/01/2008

EPA Sample No.(VSTD#####): VSTD0502B Date Analyzed: 05/01/2008

Lab File ID (Standard): V2K4265.D Time Analyzed: 13:01

Instrument ID: V2 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	303386		5.372		1717393		6.482		1407425		10.054	
	UPPER LIMIT	606772		5.872		3434786		6.982		2814850		10.554	
	LOWER LIMIT	151693		4.872		858697		5.982		703713		9.554	
	SAMPLE NO.												
01	VBLK2B	299546		5.372		1682067		6.483		1337669		10.065	
02	V2BLCS	286479		5.373		1599170		6.483		1296344		10.065	
03	FELF INF	346543		5.383		1801582		6.494		1470032		10.075	
04	TRIP BLANK	370131		5.375		1937186		6.485		1590415		10.067	
05	FELF-EFF	275044		5.384		1511876		6.494		1235094		10.076	
06	FELF INFDL	282078		5.383		1586490		6.493		1275229		10.075	
07	VHBLK2B	278546		5.375		1520094		6.496		1196830		10.068	

IS1 () = Bromochloromethane

IS2 () = 1,4-Difluorobenzene

IS3 () = Chlorobenzene-d5

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

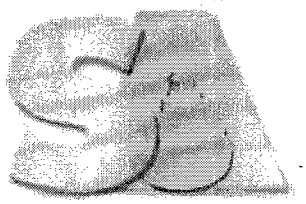
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

MITKEM
LABORATORIES



* Metals *

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.: MG0579

Matrix (soil/water): WATER Lab Sample ID: G0579-02

Level (low/med): MED Date Received: 04/25/2008

% 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	2.8	U		P
7440-39-3	Barium	89.8	B		P
7440-41-7	Beryllium	0.040	U		P
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium	102000			P
7440-47-3	Chromium	0.15	U		P
7440-48-4	Cobalt	6.3	B		P
7440-50-8	Copper	2.5	B		P
7439-89-6	Iron	32700			P
7439-92-1	Lead	1.6	B		P
7439-95-4	Magnesium	29300			P
7439-96-5	Manganese	2510			P
7439-97-6	Mercury	0.040	U		NR
7440-02-0	Nickel	6.6	B		P
7440-09-7	Potassium	11100			P
7782-49-2	Selenium	3.6	U		P
7440-22-4	Silver	0.57	U		P
7440-23-5	Sodium	71600			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	1.0	B		P
7440-66-6	Zinc	4.5	B		P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

EPA SAMPLE NO.

FELF-EFF

INORGANIC ANALYSIS DATA SHEET

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0579

Matrix (soil/water): WATER Lab Sample ID: G0579-01

Level (low/med): MED Date Received: 04/25/2008

% 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	2.8	U		P
7440-39-3	Barium	29.0	B		P
7440-41-7	Beryllium	0.040	U		P
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium	67100			P
7440-47-3	Chromium	0.23	B		P
7440-48-4	Cobalt	1.6	B		P
7440-50-8	Copper	4.4	B		P
7439-89-6	Iron	270			P
7439-92-1	Lead	1.9	B		P
7439-95-4	Magnesium	18300			P
7439-96-5	Manganese	134			P
7439-97-6	Mercury	0.040	U		NR
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	5110			P
7782-49-2	Selenium	3.6	U		P
7440-22-4	Silver	0.57	U		P
7440-23-5	Sodium	14800			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	0.43	U		P
7440-66-6	Zinc	11.5	B		P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0579

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36074

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

FIMS1_080429B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.040	U	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.: MG0579

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36072

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

OPTIMA3_080429A

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	14.1	U	14.1	U	14.090	U	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0579

Preparation Blank Matrix (soil/water): WATER Method Blank ID: MB-36072

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

OPTIMA3_080429D

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	-13.1	B	-18.0	B	-30.3	B	-36.7	B	-22.274	B	
Antimony	1.8	U	1.8	U	1.8	U	-2.2	B	1.780	U	
Arsenic	2.8	U	2.9	U	2.9	U	2.9	U	2.850	U	
Barium	0.4	B	0.5	B	0.4	B	0.5	B	2.463	B	
Beryllium	0.0	U	0.0	U	0.0	U	0.0	U	0.045	B	
Cadmium	0.2	U	0.2	U	0.2	B	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	0.188	B	
Cobalt	0.7	B	0.6	B	0.4	B	0.3	B	1.871	B	
Copper	5.3	B	3.4	B	2.0	B	4.2	B	5.292	B	
Iron	1.9	B	13.4	B	1.8	U	6.0	B	55.612	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	22.4	B	12.080	U	
Manganese	0.3	B	0.1	U	0.1	U	0.1	U	1.912	B	
Nickel	1.0	B	0.7	B	0.3	B	0.3	U	2.026	B	
Selenium	3.6	U	3.9	B	3.6	U	4.7	B	3.610	U	
Silver	0.6	U	0.6	U	0.6	U	0.6	U	0.961	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	0.4	U	0.430	U	
Zinc	5.8	B	3.0	B	3.0	B	2.9	B	8.797	B	

7

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0579

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: LCS-36072

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9430.43	103.6						
Antimony	455.0	494.59	108.7						
Arsenic	455.0	485.05	106.6						
Barium	9100.0	9657.81	106.1						
Beryllium	227.0	255.26	112.4						
Cadmium	227.0	246.11	108.4						
Calcium	22700.0	23080.08	101.7						
Chromium	910.0	964.28	106.0						
Cobalt	2270.0	2439.38	107.5						
Copper	1130.0	1177.90	104.2						
Iron	4550.0	4820.66	105.9						
Lead	455.0	496.22	109.1						
Magnesium	22700.0	24395.62	107.5						
Manganese	2270.0	2519.25	111.0						
Nickel	2270.0	2437.75	107.4						
Potassium	22700.0	24135.77	106.3						
Selenium	455.0	499.55	109.8						
Silver	1130.0	1227.31	108.6						
Sodium	22700.0	24083.78	106.1						
Thallium	455.0	488.37	107.3						
Vanadium	2270.0	2421.16	106.7						
Zinc	2270.0	2536.80	111.8						

MITKEM LABORATORIES

* Wet Chemistry *

Mitkem Laboratories

Date: *07-May-08*

Client: Earth Tech
Client Sample ID: FELF-EFF
Lab ID: G0579-01

Project: Fort Edward Landfill
Collection Date: 04/24/08 9:50

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							**SM2540_TDS**
Total Dissolved Solids	310		10	mg/L	1	04/28/2008 14:30	36067
SM 2540D -- TOTAL SUSPENDED SOLIDS							**SM2540_TSS**
Total Suspended Solids	ND		10	mg/L	1	04/28/2008 16:30	36068
SM 5530B-D -- PHENOLS by 4-Aminoantipyrine Method							**SM5530_W**
Phenolics, Total Recoverable	ND		0.20	mg/L	1	04/28/2008 11:05	36065

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: G0579
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

SM2540_TDS

SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: **MB-36067** SampType: **MBLK** TestCode: **SM2540_TDS** Prep Date: **4/28/2008** Run ID: **MANUAL_080428A**
Client ID: **MB-36067** Batch ID: **36067** Units: **mg/L** Analysis Date: **4/28/2008** SeqNo: **793232**

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-36067** SampType: **LCS** TestCode: **SM2540_TDS** Prep Date: **4/28/2008** Run ID: **MANUAL_080428A**
Client ID: **LCS-36067** Batch ID: **36067** Units: **mg/L** Analysis Date: **4/28/2008** SeqNo: **793233**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	860.0	10	870.0	0	98.9	80	120	0			

Sample ID: **G0579-01DDUP** SampType: **DUP** TestCode: **SM2540_TDS** Prep Date: **4/28/2008** Run ID: **MANUAL_080428A**
Client ID: **FELF-EFF** Batch ID: **36067** Units: **mg/L** Analysis Date: **4/28/2008** SeqNo: **793235**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	357.0	10	0	0	0	0	0	308.0	14.7	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: G0579
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

SM2540_TSS

SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: **MB-36068** SampType: **MBLK** TestCode: **SM2540_TSS** Prep Date: **4/28/2008** Run ID: **MANUAL_080428B**
Client ID: **MB-36068** Batch ID: **36068** Units: **mg/L** Analysis Date: **4/28/2008** SeqNo: **793236**

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-36068** SampType: **LCS** TestCode: **SM2540_TSS** Prep Date: **4/28/2008** Run ID: **MANUAL_080428B**
Client ID: **LCS-36068** Batch ID: **36068** Units: **mg/L** Analysis Date: **4/28/2008** SeqNo: **793237**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	45.00	10	45.80	0	98.3	80	120	0			

Sample ID: **G0579-01DDUP** SampType: **DUP** TestCode: **SM2540_TSS** Prep Date: **4/28/2008** Run ID: **MANUAL_080428B**
Client ID: **FELF-EFF** Batch ID: **36068** Units: **mg/L** Analysis Date: **4/28/2008** SeqNo: **793239**

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

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

CLIENT: Earth Tech
Work Order: G0579
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

SM5530_W

SM 5530B-D -- PHENOLS by 4-Aminoantipyrine Method

Sample ID: **MB-36065** SampType: **MBLK** TestCode: **SM5530_W** Prep Date: **4/28/2008** Run ID: **SPEC2_080428A**
Client ID: **MB-36065** Batch ID: **36065** Units: **mg/L** Analysis Date: **4/28/2008** SeqNo: **793186**

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-36065** SampType: **LCS** TestCode: **SM5530_W** Prep Date: **4/28/2008** Run ID: **SPEC2_080428A**
Client ID: **LCS-36065** Batch ID: **36065** Units: **mg/L** Analysis Date: **4/28/2008** SeqNo: **793187**

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: **G0579-01BDUP** SampType: **DUP** TestCode: **SM5530_W** Prep Date: **4/28/2008** Run ID: **SPEC2_080428A**
Client ID: **FELF-EFF** Batch ID: **36065** Units: **mg/L** Analysis Date: **4/28/2008** SeqNo: **793189**

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: **G0579-01BMS** SampType: **MS** TestCode: **SM5530_W** Prep Date: **4/28/2008** Run ID: **SPEC2_080428A**
Client ID: **FELF-EFF** Batch ID: **36065** Units: **mg/L** Analysis Date: **4/28/2008** SeqNo: **793190**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.9510	0.20	1.000	0	95.1	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

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

June 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 #: G0722

Dear Mr. Choiniere:

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

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

We appreciate your business.

Sincerely,

Shirley S. Ng
Project Manager

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

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0722

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
FELF-EFF	G0722-01	OLM4.2_VOA_W		SW8082_W	ILM4.1_HG_W	SEE DATA
FELF-EFF	G0722-01				ILM4.1_ICP_W	
FELF-INF	G0722-02	OLM4.2_VOA_W			ILM4.1_HG_W	
FELF-INF	G0722-02				ILM4.1_ICP_W	
TRIP BLANK	G0722-03	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 :** G0722

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
G0722-01A	AQ	5/13/2008	5/14/2008	NA	5/16/2008
G0722-02A	AQ	5/13/2008	5/14/2008	NA	5/16/2008
G0722-02ADL	AQ	5/13/2008	5/14/2008	NA	5/16/2008
G0722-03A	AQ	5/13/2008	5/14/2008	NA	5/16/2008

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0722

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8082_W					
G0722-01E	AQ	5/13/2008	5/14/2008	5/19/2008	5/22/2008

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0722

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
G0722-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0722-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0722-02ADL	AQ	OLM4.2_VOA_W	NA	LOW	10
G0722-03A	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 :** G0722

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8082_W					
G0722-01E	AQ	SW8082_W	PCB_W_PR	Sulfur, Acid	1

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0722

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
G0722-01C	AQ	ILM4.1_HG_W	5/14/2008	5/20/2008
G0722-02B	AQ	ILM4.1_HG_W	5/14/2008	5/20/2008
ILM4.1_ICP_W				
G0722-01C	AQ	ILM4.1_ICP_W	5/14/2008	5/20/2008
G0722-02B	AQ	ILM4.1_ICP_W	5/14/2008	5/20/2008

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MG0722

Mitkem Work Order ID: G0722

June 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 Laboratories 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 May 14, 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.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category A deliverable with the exception of wet chemistry analysis. Wet chemistry analysis results are reported using standard Mitkem laboratory report format.

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 V2: 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 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 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 analysis.

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

Sample analysis: no unusual observation was made 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
06/06/08

Mitkem Laboratories

06/Jun/08 12:51

WorkOrder: G0722

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: 06/04/08
Fax Due: 05/28/08

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0722-01A	FELF-EFF	05/13/2008 11:05	05/14/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G0722-01B	FELF-EFF	05/13/2008 11:05	05/14/2008	Aqueous	SM5530_W		☐	☐	☐	F1
G0722-01C	FELF-EFF	05/13/2008 11:05	05/14/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G0722-01D	FELF-EFF	05/13/2008 11:05	05/14/2008	Aqueous	SM2540_TDS		☐	☐	☐	F1
					SM2540_TSS		☐	☐	☐	F1
G0722-01E	FELF-EFF	05/13/2008 11:05	05/14/2008	Aqueous	SW8082_W	extract 2L to 1mL	☐	☐	☑	F1
G0722-02A	FELF-INF	05/13/2008 10:50	05/14/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G0722-02B	FELF-INF	05/13/2008 10:50	05/14/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M1
					ILM4.1_ICP_W	ILM	☐	☐	☑	M1
G0722-03A	TRIP BLANK	05/13/2008 0:00	05/14/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA

Client Rep: Shirley S Ng

Sample Transmittal Documentation

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 12210

Project Mgr.: Stephen Choiniere

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 99163.02
Site Name: F.t Edward L.F.
Location: Fort. Edward State: NY
Sampler(s): SRG - REG

1=Na_2S2O_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 VOA	Phenols	ILM4.1	TDS/TSS	PCB's	QA Reporting Notes: (check if needed)
G0788 01	FELF-EFF	5-13-08	11:05	G	GW	2,3,4	2	2		2	X	X	X	X	X	☐ Provide MA DEP MCP CAM Report
↓ 02	FELF-INF	5-13-08	10:50	G	GW	2,4	2			1	X		X			☐ Provide CT DEP RCP Report
G0788 03	Trip Blank		—	—		2	2				X					QA/QC Reporting Level ☐ Standard ☐ No QC ☐ Other _____
																State specific reporting standards:

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

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 3

Relinquished by:	Received by:	Date:	Time:
Roger Gray	CAN 5-14-08	5-13-08	1:30
		5/14/08	8:45

1.0000

MITKEM LABORATORIES

Sample Condition Form

Received By: CAW | Reviewed By: MLN | Date: 5/14/08 | MITKEM Workorder #: G0722

Client Project: Fort Edward Landfill | Client: EARTH TECH

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 3°C
Coolant Condition ICE

6) Airbill(s) (Present) / Absent
Airbill Number(s) FedEx 866999025378

7) Sample Bottles (Intact)/Broken/Leaking

8) Date Received 5/14/08

9) Time Received 8:45

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"
G0722	01	<2	<2			H	
	02	<2				H	
G0722	03					H	

CAW 5-14-08

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

* Volatiles *

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0722-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4496.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

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 - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0722-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4496.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

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 - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-INF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0722-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4497.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

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	740	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	6.9	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	11	
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	930	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	23	
107-06-2	1,2-Dichloroethane	10	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-INF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0722-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4497.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

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	15	
100-41-4	Ethylbenzene	3.1	J
1330-20-7	Xylene (Total)	3.9	J
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	5.7	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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-INFDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0722-02ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4502.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. Date Analyzed: 05/16/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl chloride	780	D
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U
67-64-1	Acetone	100	U
75-15-0	Carbon disulfide	100	U
79-20-9	Methyl acetate	100	U
75-09-2	Methylene chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-butyl ether	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	1000	D
78-93-3	2-Butanone	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon tetrachloride	100	U
71-43-2	Benzene	24	DJ
107-06-2	1,2-Dichloroethane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-INFDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0722-02ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4502.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. Date Analyzed: 05/16/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

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

Purge Volume: 5.0 (mL)

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

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0722-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4503.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0722-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4503.D

Level: (TRACE/LOW/MED) LOW Date Received: 05/14/2008

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

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 - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V2SLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36514

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4494.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

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	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	61	
107-06-2	1,2-Dichloroethane	10	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V2SLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36514

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4494.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	58	
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	59	
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	62	
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

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (TOL) #	VDMC2 (BFB) #	VDMC3 (DCE) #					TOT OUT
01	VBLK2S	98	92	101					0
02	V2SLCS	97	90	99					0
03	FELF-EFF	97	92	100					0
04	FELF-INF	97	95	100					0
05	FELF-INFDL	98	94	99					0
06	TRIP BLANK	96	91	100					0
07	VHBLK2S	95	92	101					0

		QC LIMITS
VDMC1	(TOL) = Toluene-d8	(88-110)
VDMC2	(BFB) = Bromofluorobenzene	(86-115)
VDMC3	(DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLM

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (TOL) #	VDMC2 (BFB) #	VDMC3 (DCE) #					TOT OUT
01	VBLK2S	98	92	101					0
02	V2SLCS	97	90	99					0
03	FELF-EFF	97	92	100					0
04	FELF-INF	97	95	100					0
05	FELF-INFDL	98	94	99					0
06	TRIP BLANK	96	91	100					0
07	VHBLK2S	95	92	101					0

		QC LIMITS
VDMC1	(TOL) = Toluene-d8	(88-110)
VDMC2	(BFB) = Bromofluorobenzene	(86-115)
VDMC3	(DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLM

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

V2SLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Lab Sample ID: LCS-36514 LCS Lot No.:

Date Extracted: 05/16/2008 Date Analyzed (1): 05/16/2008

Instrument ID (1): V2 GC Column(1): DB-624 ID: 0.25 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
1,1-Dichloroethene	50.0000	52.5227	105		61-145
Benzene	50.0000	60.7303	121		76-127
Trichloroethene	50.0000	58.4808	117		71-120
Toluene	50.0000	58.8392	118		76-125
Chlorobenzene	50.0000	62.0878	124		75-130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 5 outside limits.

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLK2S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Lab File ID: V2K4493.D Lab Sample ID: MB-36514

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 05/16/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:10

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V2SLCS	LCS-36514	V2K4494.D	10:39
02	FELF-EFF	G0722-01A	V2K4496.D	11:36
03	FELF-INF	G0722-02A	V2K4497.D	12:05
04	FELF-INFDL	G0722-02ADL	V2K4502.D	14:28
05	TRIP BLANK	G0722-03A	V2K4503.D	14:57
06	VHBLK2S	VHBLK2S	V2K4505.D	15:54

COMMENTS:

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK2S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36514

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4493.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK2S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36514

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4493.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

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 - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLK2S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK2S

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4505.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLK2S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK2S

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2K4505.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 05/16/2008

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

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

Purge Volume: 5.0 (mL)

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 - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 05/01/2008 05/01/2008

EPA Sample No.(VSTD#####): VSTD0502S Date Analyzed: 05/16/2008

Lab File ID (Standard): V2K4492.D Time Analyzed: 9:34

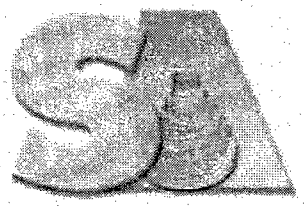
Instrument ID: V2 Heated Purge: (Y/N) N

		IS1 (S1) AREA	#	RT	#	IS2 (S2) AREA	#	RT	#	IS3 (S3) AREA	#	RT	#
	12 HOUR STD	223577		5.395		1216136		6.516		996734		10.087	
	UPPER LIMIT	447154		5.895		2432272		7.016		1993468		10.587	
	LOWER LIMIT	111789		4.895		608068		6.016		498367		9.587	
	SAMPLE NO.												
01	VBLK2S	251999		5.404		1347621		6.514		1123500		10.096	
02	V2SLCS	226592		5.406		1224577		6.516		1028411		10.098	
03	FELF-EFF	263588		5.406		1411679		6.516		1181415		10.098	
04	FELF-INF	263177		5.404		1426200		6.514		1201349		10.096	
05	FELF-INFDL	245354		5.407		1281105		6.528		1070187		10.099	
06	TRIP BLANK	249555		5.414		1273353		6.525		1070318		10.107	
07	VHBLK2S	239972		5.406		1119611		6.527		939671		10.099	

IS1 () = Bromochloromethane
IS2 () = 1,4-Difluorobenzene
IS3 () = Chlorobenzene-d5
AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area
AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area
RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT
RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

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

MITKEM LABORATORIES



* PCB Organics *

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0722-01E

Sample wt/vol: 2000 (g/mL) ML Lab File ID: E1G7023F.D/E1G7023R.D

% Moisture: Decanted: (Y/N) Date Received: 05/14/2008

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/22/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid 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

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1G(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36545

Sample wt/vol: 2000 (g/mL) ML Lab File ID: E1G7344F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.17	
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	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCS1G(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-36545

Sample wt/vol: 2000 (g/mL) ML Lab File ID: E1G7344R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.16	
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	0.15	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1G(1)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36545

Sample wt/vol: 2000 (g/mL) ML Lab File ID: E1G7345F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.19	
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	0.16	

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ALCSD1G(2)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-36545

Sample wt/vol: 2000 (g/mL) ML Lab File ID: E1G7345R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/04/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.18	
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	0.17	

SW846

2Q - FORM II ARO-1

WATER AROCLOR SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

GC Column(1): CLPPestII ID: 0.53 (mm) GC Column(2): CLPPest ID: 0.53 (mm)

	CLIENT SAMPLE NO.	TCX 1 %REC	#	TCX 2 %REC	#	DCB 1 %REC	#	DCB 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	ABLK1G	32		34		48		54				0
02	FELF-EFF	39		43		44		50				0
03	ALCS1G	56		54		40		45				0
04	ALCSD1G	61		56		46		52				0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(32-89)
DCB = Decachlorobiphenyl	(40-135)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SW846

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCS1G

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Lab Sample ID: LCS-36545 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 06/04/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.2000	0.1666	83		25-145
Aroclor-1260	0.2000	0.1281	64		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 06/04/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.2000	0.1554	78		25-145
Aroclor-1260	0.2000	0.1483	74		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

3N - FORM III ARO-3

WATER AROCLOR LABORATORY CONTROL SAMPLE RECOVERY

CLIENT SAMPLE NO.

ALCSD1G

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Lab Sample ID: LCSD-36545 LCS Lot No.:

Date Extracted: 05/19/2008 Date Analyzed (1): 06/04/2008

Instrument ID (1): E1 GC Column(1): CLPPestII ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.2000	0.1865	93		25-145
Aroclor-1260	0.2000	0.1554	78		30-145

Instrument ID (2): E1 GC Column(2): CLPPest ID: 0.53 (mm)

Date Analyzed (2): 06/04/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
Aroclor-1016	0.2000	0.1795	90		25-145
Aroclor-1260	0.2000	0.1721	86		30-145

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLK1G

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Lab File ID: E1G7018F.D / E1G7018R.D Lab Sample ID: MB-36545

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 05/19/2008

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

Acid Cleanup: (Y/N Y

Date Analyzed (1): 05/22/2008 Date Analyzed (2): 05/22/2008

Time Analyzed (1): 14:18 Time Analyzed (2): 14:18

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

GC Column(1): CLPPestII ID: 0.53 (mm) GC Column(2): CLPPest ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	FELF-EFF	G0722-01E	05/22/2008	05/22/2008
02	ALCS1G	LCS-36545	06/04/2008	06/04/2008
03	ALCSD1G	LCSD-36545	06/04/2008	06/04/2008

COMMENTS:

SW846

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK1G

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0722

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-36545

Sample wt/vol: 2000 (g/mL) ML Lab File ID: E1G7018F.D/E1G7018R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 05/19/2008

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/22/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

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

MITKEM
LABORATORIES

* Metals *

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.: MG0722

SOW No.: ILM04.1

EPA Sample No.	Lab Sample ID
FELF-EFF	G0722-01
FELF-INF	G0722-02

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: Dawne Smart Name: Dawne E. Smart

Date: 6/5/08 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.: MG0722

Matrix (soil/water): WATER Lab Sample ID: G0722-01

Level (low/med): MED Date Received: 05/14/2008

% 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	33.2	B		P
7440-36-0	Antimony	2.3	U		P
7440-38-2	Arsenic	3.3	U		P
7440-39-3	Barium	40.1	B		P
7440-41-7	Beryllium	0.081	B		P
7440-43-9	Cadmium	0.080	U		P
7440-70-2	Calcium	81500			P
7440-47-3	Chromium	0.44	U		P
7440-48-4	Cobalt	1.3	B		P
7440-50-8	Copper	16.7	B		P
7439-89-6	Iron	1450			P
7439-92-1	Lead	1.6	B		P
7439-95-4	Magnesium	24900			P
7439-96-5	Manganese	261			P
7439-97-6	Mercury	0.092	B		CV
7440-02-0	Nickel	2.7	B		P
7440-09-7	Potassium	4290	B		P
7782-49-2	Selenium	4.4	U		P
7440-22-4	Silver	0.51	B		P
7440-23-5	Sodium	19000			P
7440-28-0	Thallium	4.7	U		P
7440-62-2	Vanadium	0.52	B		P
7440-66-6	Zinc	27.7			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.: MG0722

Matrix (soil/water): WATER Lab Sample ID: G0722-02

Level (low/med): MED Date Received: 05/14/2008

% 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	7.6	U		P
7440-36-0	Antimony	2.3	U		P
7440-38-2	Arsenic	3.3	U		P
7440-39-3	Barium	270			P
7440-41-7	Beryllium	0.041	B		P
7440-43-9	Cadmium	0.080	U		P
7440-70-2	Calcium	162000			P
7440-47-3	Chromium	0.44	U		P
7440-48-4	Cobalt	8.4	B		P
7440-50-8	Copper	3.3	B		P
7439-89-6	Iron	27600			P
7439-92-1	Lead	0.61	U		P
7439-95-4	Magnesium	63900			P
7439-96-5	Manganese	688			P
7439-97-6	Mercury	0.084	B		CV
7440-02-0	Nickel	23.5	B		P
7440-09-7	Potassium	56200			P
7782-49-2	Selenium	4.4	U		P
7440-22-4	Silver	1.1	B		P
7440-23-5	Sodium	243000			P
7440-28-0	Thallium	4.7	U		P
7440-62-2	Vanadium	1.8	B		P
7440-66-6	Zinc	8.5	B		P

Color Before YELLOW 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.: MG0722

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36581**

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

FIMS1_080520A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.086	B	0.092	B	0.100	B	0.089	B	0.080	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0722

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

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

FIMS1_080520A

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							

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0722

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36578**

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

OPTIMA2_080520A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	8.1	B	7.6	U	7.6	U	8.7	B	15.631	B	
Antimony	2.3	U	2.3	U	2.3	U	3.0	B	2.310	U	
Arsenic	3.3	U	3.3	U	3.3	U	3.3	U	3.320	U	
Barium	1.0	B	0.9	B	0.7	B	0.7	B	2.576	B	
Beryllium	0.1	B	0.1	B	0.0	B	0.1	B	0.054	B	
Cadmium	0.1	B	0.1	U	0.1	B	0.1	B	0.080	U	
Calcium	74.2	U	74.2	U	74.2	U	74.2	U	103.804	B	
Chromium	0.7	B	0.5	B	0.4	U	0.5	B	0.440	U	
Cobalt	0.3	B	0.3	U	0.3	U	0.3	U	0.618	B	
Copper	6.2	B	4.1	B	2.5	B	3.2	B	4.815	B	
Iron	4.0	B	21.5	B	7.2	B	16.2	B	60.391	B	
Lead	0.7	B	1.7	B	1.0	B	0.9	B	1.765	B	
Magnesium	10.5	U	10.5	U	10.5	U	17.9	B	10.460	U	
Manganese	0.4	B	0.3	B	0.7	B	1.5	B	2.586	B	
Nickel	0.2	B	0.3	B	0.2	U	0.2	B	0.772	B	
Selenium	4.4	U	4.4	U	4.4	U	4.4	U	4.400	U	
Silver	2.1	B	0.7	B	0.5	U	0.5	U	2.579	B	
Thallium	4.7	U	4.7	U	4.7	U	4.7	U	4.670	U	
Vanadium	0.4	U	0.4	B	0.7	B	0.5	B	0.360	U	
Zinc	2.5	B	1.8	B	1.9	B	2.0	B	6.705	B	

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0722

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-36578**

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

OPTIMA3_080520C

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	50.5	B	34.9	U	-47.8	B	-54.1	B	-53.797	B	
Sodium	-39.7	B	18.9	U	-75.9	B	-74.4	B	-128.997	B	

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0722

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-36578**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9841.77	108.2						
Antimony	455.0	505.37	111.1						
Arsenic	455.0	486.42	106.9						
Barium	9100.0	9974.40	109.6						
Beryllium	227.0	252.49	111.2						
Cadmium	227.0	240.83	106.1						
Calcium	22700.0	24251.97	106.8						
Chromium	910.0	1002.78	110.2						
Cobalt	2270.0	2493.85	109.9						
Copper	1130.0	1251.44	110.7						
Iron	4550.0	4871.17	107.1						
Lead	455.0	484.84	106.6						
Magnesium	22700.0	24849.85	109.5						
Manganese	2270.0	2521.96	111.1						
Nickel	2270.0	2496.13	110.0						
Potassium	22700.0	23921.01	105.4						
Selenium	455.0	489.84	107.7						
Silver	1130.0	1212.20	107.3						
Sodium	22700.0	24031.43	105.9						
Thallium	455.0	505.17	111.0						
Vanadium	2270.0	2425.38	106.8						
Zinc	2270.0	2586.87	114.0						

9

EPA SAMPLE NO.

ICP SERIAL DILUTIONS

FELF-INF

Lab Name: Mitkem Laboratories Contract: 99163.04

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0722

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	7.59	U	41.68				P
Antimony	2.31	U	11.55	U			P
Arsenic	3.32	U	16.60	U			P
Barium	270.13		285.37		6		P
Beryllium	0.04	B	0.20				P
Cadmium	0.08	U	0.40	U			P
Calcium	162039.73		162254.10		0		P
Chromium	0.44	U	2.20	U			P
Cobalt	8.37	B	10.43		25		P
Copper	3.35	B	2.90	U	100		P
Iron	27639.29		29590.71		7		P
Lead	0.61	U	3.05	U			P
Magnesium	63856.73		66482.67		4		P
Manganese	688.22		729.32		6		P
Nickel	23.55	B	25.52		8		P
Potassium	56194.69		57842.04		3		P
Selenium	4.40	U	22.00	U			P
Silver	1.09	B	2.35	U	100		P
Sodium	243145.94		260820.91		7		P
Thallium	4.67	U	23.35	U			P
Vanadium	1.77	B	2.68		51		P
Zinc	8.52	B	26.68		213		P

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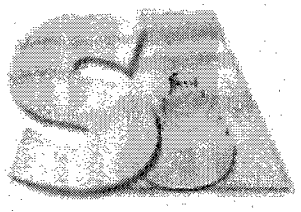
LABORATORIES



* Wet Chemistry *

Mitkem Laboratories

Date: *25-May-08*

Client: Earth Tech
Client Sample ID: FELF-EFF
Lab ID: G0722-01

Project: Fort Edward Landfill
Collection Date: 05/13/08 11:05

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							**SM2540_TDS**
Total Dissolved Solids	380		10	mg/L	1	05/15/2008 16:30	36504
SM 2540D -- TOTAL SUSPENDED SOLIDS							**SM2540_TSS**
Total Suspended Solids	ND		10	mg/L	1	05/15/2008 16:30	36503
SM 5530B-D -- PHENOLS by 4-Aminoantipyrine Method							**SM5530_W**
Phenolics, Total Recoverable	ND		0.20	mg/L	1	05/19/2008 10:50	36564

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: G0722
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

SM2540_TDS

SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: **MB-36504** SampType: **MBLK** TestCode: **SM2540_TDS** Prep Date: **5/15/2008** Run ID: **MANUAL_080515B**
Client ID: **MB-36504** Batch ID: **36504** Units: **mg/L** Analysis Date: **5/15/2008** SeqNo: **806972**

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-36504** SampType: **LCS** TestCode: **SM2540_TDS** Prep Date: **5/15/2008** Run ID: **MANUAL_080515B**
Client ID: **LCS-36504** Batch ID: **36504** Units: **mg/L** Analysis Date: **5/15/2008** SeqNo: **806973**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	187.0	10	196.0	0	95.4	80	120	0			

Sample ID: **G0722-01DDUP** SampType: **DUP** TestCode: **SM2540_TDS** Prep Date: **5/15/2008** Run ID: **MANUAL_080515B**
Client ID: **FELF-EFF** Batch ID: **36504** Units: **mg/L** Analysis Date: **5/15/2008** SeqNo: **806975**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids	390.0	10	0	0	0	0	0	383.0	1.81	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: G0722
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

SM2540_TSS

SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: **MB-36503**	SampType: **MBLK**	TestCode: **SM2540_TSS**			Prep Date: **5/15/2008**			Run ID: **MANUAL_080515A**				
Client ID: **MB-36503**	Batch ID: **36503**	Units: **mg/L**			Analysis Date: **5/15/2008**			SeqNo: **806965**				
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-36503**	SampType: **LCS**	TestCode: **SM2540_TSS**			Prep Date: **5/15/2008**			Run ID: **MANUAL_080515A**				
Client ID: **LCS-36503**	Batch ID: **36503**	Units: **mg/L**			Analysis Date: **5/15/2008**			SeqNo: **806966**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	38.00	10	34.30	0	111	80	120	0				
Sample ID: **G0722-01DDUP**	SampType: **DUP**	TestCode: **SM2540_TSS**			Prep Date: **5/15/2008**			Run ID: **MANUAL_080515A**				
Client ID: **FELF-EFF**	Batch ID: **36503**	Units: **mg/L**			Analysis Date: **5/15/2008**			SeqNo: **806968**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Suspended Solids	ND	10	0	0	0	0	0	0	0	20		

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

CLIENT: Earth Tech
Work Order: G0722
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

SM5530_W

SM 5530B-D -- PHENOLS by 4-Aminoantipyrine Method

Sample ID: **MB-36564**	SampType: **MBLK**	TestCode: **SM5530_W**			Prep Date: **5/19/2008**			Run ID: **SPEC2_080519A**			
Client ID: **MB-36564**	Batch ID: **36564**	Units: **mg/L**			Analysis Date: **5/19/2008**			SeqNo: **808001**			
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-36564**	SampType: **LCS**	TestCode: **SM5530_W**			Prep Date: **5/19/2008**			Run ID: **SPEC2_080519A**			
Client ID: **LCS-36564**	Batch ID: **36564**	Units: **mg/L**			Analysis Date: **5/19/2008**			SeqNo: **808002**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable		0.2720	0.20	0.3000	0	90.7	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

Last Page of Data Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

July 15, 2008

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

RE: Client Project: Fort Edward Landfill, reference number: 99163.02
Lab Project #: G0969

Dear Mr. Choiniere:

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

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

We appreciate your business.

Sincerely,

Shirley S. Ng
Project Manager

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

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0969

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
FELF-EFF	G0969-01	OLM4.2_VOA_W			ILM4.1_HG_W	SEE DATA
FELF-EFF	G0969-01				ILM4.1_ICP_W	
FELF-INF	G0969-02	OLM4.2_VOA_W			ILM4.1_HG_W	
FELF-INF	G0969-02				ILM4.1_ICP_W	
TRIP BLANK	G0969-03	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 :** G0969

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W					
G0969-01A	AQ	6/23/2008	6/24/2008	NA	6/24/2008
G0969-02A	AQ	6/23/2008	6/24/2008	NA	6/24/2008
G0969-02ADL	AQ	6/23/2008	6/24/2008	NA	6/30/2008
G0969-03A	AQ	6/23/2008	6/24/2008	NA	6/30/2008

Mitkem Laboratories

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

Project Name : Fort Edward Landfill **SDG :** G0969

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLM4.2_VOA_W					
G0969-01A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0969-02A	AQ	OLM4.2_VOA_W	NA	LOW	1
G0969-02ADL	AQ	OLM4.2_VOA_W	NA	LOW	2
G0969-03A	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 :** G0969

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date Analyzed
ILM4.1_HG_W				
G0969-01C	AQ	ILM4.1_HG_W	6/24/2008	6/26/2008
G0969-01CDUP	AQ	ILM4.1_HG_W	6/24/2008	6/26/2008
G0969-01CMS	AQ	ILM4.1_HG_W	6/24/2008	6/26/2008
G0969-02B	AQ	ILM4.1_HG_W	6/24/2008	6/26/2008
ILM4.1_ICP_W				
G0969-01C	AQ	ILM4.1_ICP_W	6/24/2008	6/26/2008
G0969-02B	AQ	ILM4.1_ICP_W	6/24/2008	6/26/2008

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MG0969

Mitkem Work Order ID: G0969

July 15, 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 Laboratories 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 June 24, 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.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category A deliverable with the exception of wet chemistry analysis. Wet chemistry analysis results are reported using standard Mitkem laboratory report format.

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 V6: 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: sample FELF_INF was re-analyzed at 2x dilution as FELF_INF DL. No other unusual observation was made for the analysis.

3. ILM 4.1 Metals Analysis:

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

Samples were preserved with nitric acid with pH<2.

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

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

Duplicate analysis: sample duplicate was performed on sample FELF-EFF for mercury analysis. Percent RPD was within the QC limits.

Sample analysis: serial dilution was performed on sample FELF-INF. Percent differences were within the QC limits with the exception of zinc. This element is flagged with an "E" on the data reporting forms. No other unusual observations were made during sample analysis.

4. Wet Chemistry Analysis:

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

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

Matrix spike analysis: matrix spike was performed on sample FELF-EFF for phenol analysis. 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
07/15/08

Sample Transmittal Documentation

Mitkem Laboratories

14/Jul/08 15:49

WorkOrder: G0969

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

Case:
SDG:
PO: 99163.02

Report Level: ASP-A
EDD:
HC Due: 07/15/08
Fax Due: 07/08/08

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
G0969-01A	FELF-EFF	06/23/2008 10:00	06/24/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G0969-01B	FELF-EFF	06/23/2008 10:00	06/24/2008	Aqueous	SM5530_W		☐	☐	☐	B2
G0969-01C	FELF-EFF	06/23/2008 10:00	06/24/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M2
					ILM4.1_ICP_W	ILM	☐	☐	☑	M2
G0969-01D	FELF-EFF	06/23/2008 10:00	06/24/2008	Aqueous	SM2540_TDS		☐	☐	☐	B2
					SM2540_TSS		☐	☐	☐	B2
G0969-02A	FELF-INF	06/23/2008 10:15	06/24/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	☐	☐	☐	VOA
G0969-02B	FELF-INF	06/23/2008 10:15	06/24/2008	Aqueous	ILM4.1_HG_W	ILM	☐	☐	☐	M2
					ILM4.1_ICP_W	ILM	☐	☐	☑	M2
G0969-03A	TRIP BLANK	06/23/2008 0:00	06/24/2008	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.: Steve Choiniere

Invoice To: Same

P.O. No.: ________ RQN: ________

Project No.: 99163.02
Site Name: Ft. Edward LF
Location: Fort Edward State: NY
Sampler(s): SRG - REG

1=Na_2S2O_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: G0966	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		OLM4.2VOA	Phenols	ILM4.1	TDS/TSS				
01	FELF-EFF	6/23/08	10:00	G	GW	2,3,4	2	1		2		X	X	X	X				
02	FELF-INF	6/23/08	10:15	G	GW	2,4	2			1		X		X					
03	Trip Blank	—	—				2					X							

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
- ☐ Standard ☐ No QC
- ☐ Other ________

State specific reporting standards: ________

☐ Fax results when available to (____) ________
☐ E-mail to ________
EDD Format ________
Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 5°C

Relinquished by:	Received by:	Date:	Time:
Steve Gro[illegible]		6/23/08	14:30
	C Nichau[illegible]	6/24/08	9:20

0007

MITKEM CORPORATION

Sample Condition Form

Page 1 of 1

Received By: CAN | Reviewed By: SN | Date: 6/24/08 | MITKEM Workorder #: G8969

Client Project: Ft Edward | Client: Earth Tech

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"
G8969	01	<2	<2			H	
↓	02	<2				↓	
G8969	03					H	

1) Cooler Sealed (Yes / No)

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

3) Custody Seal Number(s) NA

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

5) Cooler Temperature 5°C
Coolant Condition Ice

6) Airbill(s) (Present / Absent)
Airbill Number(s) FedEx 868856107210

7) Sample Bottles (Intact/Broken/Leaking)

8) Date Received 6/24/08

9) Time Received 9:00

Preservative Name/Lot No:

CAN 6-24-08

VOA Matrix Key:

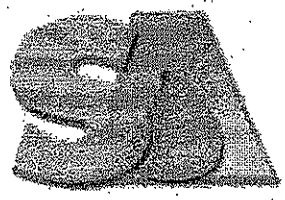
US = Unpreserved Soil	**A** = Air
UA = Unpreserved Aqu.	**H** = HCl
M= MeOH	**E** = Encore
N = $NaHSO_4$	**F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no

0008

MITKEM
LABORATORIES



* Volatiles *

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9253.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/24/2008

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

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

Purge Volume: 5.0 (mL)

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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9253.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/24/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FELF-EFF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9253.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/24/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-INF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9254.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/24/2008

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

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

Purge Volume: 5.0 (mL)

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	240	E
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	240	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	3.4	J
107-06-2	1,2-Dichloroethane	10	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-INF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9254.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/24/2008

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

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

Purge Volume: 5.0 (mL)

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	3.0	J
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	4.9	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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FELF-INF

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9254.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/24/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-INFDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-02ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9411.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/30/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl chloride	180	D
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
67-64-1	Acetone	20	U
75-15-0	Carbon disulfide	20	U
79-20-9	Methyl acetate	20	U
75-09-2	Methylene chloride	11	DBJ
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl tert-butyl ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	240	D
78-93-3	2-Butanone	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
110-82-7	Cyclohexane	20	U
56-23-5	Carbon tetrachloride	20	U
71-43-2	Benzene	20	U
107-06-2	1,2-Dichloroethane	20	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FELF-INFDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-02ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9411.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/30/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

FELF-INFDL

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-02ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9411.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/30/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9408.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/30/2008

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

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

Purge Volume: 5.0 (mL)

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	5.5	BJ
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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9408.D

Level: (TRACE/LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/30/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G0969-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9408.D

Level: (TRACE or LOW/MED) LOW Date Received: 06/24/2008

% Moisture: not dec. Date Analyzed: 06/30/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V6RLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-37251

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9243.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/24/2008

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

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

Purge Volume: 5.0 (mL)

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	45	
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	50	
107-06-2	1,2-Dichloroethane	10	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V6RLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-37251

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9243.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/24/2008

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

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

Purge Volume: 5.0 (mL)

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	54	
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

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (TOL) #	VDMC2 (BFB) #	VDMC3 (DCE) #					TOT OUT
01	VBLK6R	101	87	104					0
02	V6RLCS	100	105	98					0
03	FELF-EFF	107	105	111					0
04	FELF-INF	101	101	100					0
05	VBLK6Z	106	105	108					0
06	TRIP BLANK	104	101	107					0
07	FELF-INFDL	107	103	107					0
08	VHBLK6Z	106	103	110					0

		QC LIMITS
VDMC1	(TOL) = Toluene-d8	(88-110)
VDMC2	(BFB) = Bromofluorobenzene	(86-115)
VDMC3	(DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

EPA OLM

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

V6RLCS

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Lab Sample ID: LCS-37251 LCS Lot No.:

Date Extracted: 06/24/2008 Date Analyzed (1): 06/24/2008

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	LCS CONCENTRATION (µg/L)	LCS %REC	#	QC. LIMITS REC.
1,1-Dichloroethene	50	0	44.6737	89		61-145
Benzene	50	0	50.1029	100		76-127
Trichloroethene	50	0	53.8209	108		71-120
Toluene	50	0	53.9526	108		76-125
Chlorobenzene	50	0	56.2597	113		75-130

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

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLK6R

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Lab File ID: V6F9242.D Lab Sample ID: MB-37251

Instrument ID: V6

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/24/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:55

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V6RLCS	LCS-37251	V6F9243.D	12:29
02	FELF-EFF	G0969-01A	V6F9253.D	17:20
03	FELF-INF	G0969-02A	V6F9254.D	17:47

COMMENTS:

EPA OLM

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK6R

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-37251

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9242.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/24/2008

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

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

Purge Volume: 5.0 (mL)

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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK6R

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-37251

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9242.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/24/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK6R

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-37251

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9242.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/24/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBLK6Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Lab File ID: V6F9403.D Lab Sample ID: MB-37361

Instrument ID: V6

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 06/30/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 9:30

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRIP BLANK	G0969-03A	V6F9408.D	12:00
02	FELF-INFDL	G0969-02ADL	V6F9411.D	13:49
03	VHBLK6Z	VHBLK6Z	V6F9416.D	16:36

COMMENTS:

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK6Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-37361

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9403.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/30/2008

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

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

Purge Volume: 5.0 (mL)

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	7.5	J
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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK6Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-37361

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9403.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/30/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBLK6Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-37361

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9403.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/30/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLK6Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK6Z

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9416.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/30/2008

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

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

Purge Volume: 5.0 (mL)

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	4.1	BJ
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

Report 1,4-Dioxane for Low-Medium VOA analysis only

EPA OLM

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLK6Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK6Z

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9416.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/30/2008

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

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

Purge Volume: 5.0 (mL)

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

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VHBLK6Z

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG0969

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK6Z

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6F9416.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/30/2008

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

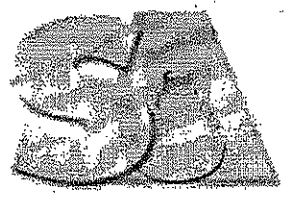
Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

MITKEM LABORATORIES



* Metals *

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COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Laboratories Contract: 99163.02

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0969

SOW No.: ILM04.1

EPA Sample No.	Lab Sample ID
FELF-EFF	G0969-01
FELF-EFFD	G0969-01DUP
FELF-EFFS	G0969-01MS
FELF-INF	G0969-02

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

Comments:

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

Signature: Dawn E. Smart Name: Dawn E. Smart

Date: 7/11/08 Title:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FELF-EFF

Lab Name: Mitkem Laboratories Contract: 99163.02

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0969

Matrix (soil/water): WATER Lab Sample ID: G0969-01

Level (low/med): MED Date Received: 06/24/2008

% 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	62.8	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	2.5	U		P
7440-39-3	Barium	27.7	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.13	U		P
7440-70-2	Calcium	74500			P
7440-47-3	Chromium	0.79	B		P
7440-48-4	Cobalt	0.65	B		P
7440-50-8	Copper	5.3	B		P
7439-89-6	Iron	586			P
7439-92-1	Lead	1.8	B		P
7439-95-4	Magnesium	21700			P
7439-96-5	Manganese	85.7			P
7439-97-6	Mercury	0.060	U		CV
7440-02-0	Nickel	3.4	B		P
7440-09-7	Potassium	1540	B		P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	19600			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.85	B		P
7440-66-6	Zinc	22.2		E	P

Color Before YELLOW Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

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1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FELF-INF

Lab Name: Mitkem Laboratories Contract: 99163.02

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0969

Matrix (soil/water): WATER Lab Sample ID: G0969-02

Level (low/med): MED Date Received: 06/24/2008

% 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	15.0	B		P
7440-36-0	Antimony	2.0	U		P
7440-38-2	Arsenic	4.6	B		P
7440-39-3	Barium	91.9	B		P
7440-41-7	Beryllium	0.030	U		P
7440-43-9	Cadmium	0.24	B		P
7440-70-2	Calcium	98400			P
7440-47-3	Chromium	0.45	B		P
7440-48-4	Cobalt	4.3	B		P
7440-50-8	Copper	3.2	B		P
7439-89-6	Iron	38100			P
7439-92-1	Lead	2.0	B		P
7439-95-4	Magnesium	26100			P
7439-96-5	Manganese	2590			P
7439-97-6	Mercury	0.060	U		CV
7440-02-0	Nickel	5.1	B		P
7440-09-7	Potassium	8110			P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	58500			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	0.50	U		P
7440-66-6	Zinc	12.0	B	E	P

Color Before COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.02

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0969

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-37282**

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

FIMS1_080626A

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.060	U	0.060	U	0.060	U			0.060	U	

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3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.02

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0969

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-37284**

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

OPTIMA3_080625B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Potassium	34.8	U	34.9	U	34.9	U	34.9	U	34.850	U	
Sodium	19.8	B	18.9	U	18.9	U	19.7	B	19.103	B	

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3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.02

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0969

Preparation Blank Matrix (soil/water): WATER Method Blank ID: **MB-37284**

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

OPTIMA3_080626B

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	7.6	U	7.6	U	7.6	U	7.6	U	7.600	U	
Antimony	2.0	U	2.0	U	2.0	U	2.0	U	1.990	U	
Arsenic	2.5	U	2.5	U	2.5	U	2.5	U	2.480	U	
Barium	1.3	B	1.3	B	0.9	B	1.1	B	4.207	B	
Beryllium	0.0	U	0.0	B	0.0	B	0.0	U	0.030	U	
Cadmium	0.2	B	0.1	U	0.3	B	0.1	U	0.130	U	
Calcium	73.0	U	73.0	U	73.0	U	73.0	U	72.980	U	
Chromium	0.2	U	0.2	B	0.2	U	0.2	U	0.343	B	
Cobalt	0.3	B	0.2	U	0.2	U	0.2	U	0.210	U	
Copper	7.2	B	4.2	B	2.8	B	3.2	B	7.208	B	
Iron	1.0	B	5.0	B	3.4	B	6.7	B	32.721	B	
Lead	1.3	U	1.3	U	1.3	U	1.3	U	1.280	U	
Magnesium	-9.3	B	-11.9	B	6.4	U	-8.7	B	-16.210	B	
Manganese	1.1	U	1.1	U	1.1	U	1.1	U	2.611	B	
Nickel	0.4	U	0.3	U	0.3	U	0.3	U	0.606	B	
Selenium	4.8	U	4.8	U	4.8	B	4.8	U	4.750	U	
Silver	0.4	U	0.5	U	0.5	U	0.5	U	0.450	U	
Thallium	2.9	B	2.3	U	3.3	B	2.8	B	4.374	B	
Vanadium	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	
Zinc	0.9	B	0.8	B	0.3	B	0.5	B	2.676	B	

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5A

SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

FELF-EFFS

Lab Name: Mitkem Laboratories Contract: 99163.02

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0969

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	0.9513		0.0600	U	1.00	95.1		CV

Comments:

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6

DUPLICATES

EPA SAMPLE NO.

FELF-EFFD

Lab Name: Mitkem Laboratories Contract: 99163.02

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0969

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		0.0600	U	0.0600	U			CV

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7

LABORATORY CONTROL SAMPLE

Lab Name: Mitkem Laboratories Contract: 99163.02

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0969

Solid LCS Source: LCS(D) ID:

Aqueous LCS Source: **LCS-37284**

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	9100.0	9298.44	102.2						
Antimony	455.0	501.19	110.2						
Arsenic	455.0	503.43	110.6						
Barium	9100.0	9797.14	107.7						
Beryllium	227.0	250.28	110.3						
Cadmium	227.0	250.42	110.3						
Calcium	22700.0	23453.51	103.3						
Chromium	910.0	974.96	107.1						
Cobalt	2270.0	2477.84	109.2						
Copper	1130.0	1197.70	106.0						
Iron	4550.0	4901.44	107.7						
Lead	455.0	504.23	110.8						
Magnesium	22700.0	24134.00	106.3						
Manganese	2270.0	2479.50	109.2						
Nickel	2270.0	2467.42	108.7						
Potassium	22700.0	24294.50	107.0						
Selenium	455.0	514.17	113.0						
Silver	1130.0	1166.83	103.3						
Sodium	22700.0	24752.76	109.0						
Thallium	455.0	488.02	107.3						
Vanadium	2270.0	2402.29	105.8						
Zinc	2270.0	2524.51	111.2						

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9

ICP SERIAL DILUTIONS

EPA SAMPLE NO.

FELF-INF

Lab Name: Mitkem Laboratories Contract: 99163.02

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0969

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	15.02	B	38.00	U	100		P
Antimony	1.99	U	9.95	U			P
Arsenic	4.58	B	12.40	U	100		P
Barium	91.87	B	97.03		6		P
Beryllium	0.03	U	0.15	U			P
Cadmium	0.24	B	0.65	U	100		P
Calcium	98381.88		90054.91		9		P
Chromium	0.45	B	0.80	U	100		P
Cobalt	4.27	B	4.48		5		P
Copper	3.19	B	8.40		163		P
Iron	38053.41		39784.64		5		P
Lead	1.99	B	6.40	U	100		P
Magnesium	26129.83		26868.58		3		P
Manganese	2586.71		2704.83		5		P
Nickel	5.08	B	5.11		1		P
Potassium	8108.69		8161.71		1		P
Selenium	4.75	U	23.75	U			P
Silver	0.45	U	2.25	U			P
Sodium	58506.80		59255.61		1		P
Thallium	2.33	U	11.65	U			P
Vanadium	0.50	U	2.50	U			P
Zinc	12.01	B	24.35		103	E	P

0017

MITKEM LABORATORIES

* Wet Chemistry *

Mitkem Laboratories

Date: *27-Jun-08*

Client: Earth Tech
Client Sample ID: FELF-EFF
Lab ID: G0969-01

Project: Fort Edward Landfill
Collection Date: 06/23/08 10:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
SM 2540C -- TOTAL DISSOLVED SOLIDS							**SM2540_TDS**
Total Dissolved Solids	360		10	mg/L	1	06/25/2008 16:30	37274
SM 2540D -- TOTAL SUSPENDED SOLIDS							**SM2540_TSS**
Total Suspended Solids	ND		10	mg/L	1	06/25/2008 16:30	37276
SM 5530B-D -- PHENOLS by 4-Aminoantipyrine Method							**SM5530_W**
Phenolics, Total Recoverable	ND		0.20	mg/L	1	06/26/2008 10:40	37301

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

0049

CLIENT: Earth Tech
Work Order: G0969
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

SM5530_W

SM 5530B-D -- PHENOLS by 4-Aminoantipyrine Method

Sample ID: **MB-37301** SampType: **MBLK** TestCode: **SM5530_W** Prep Date: **6/26/2008** Run ID: **SPEC2_080626B**
Client ID: **MB-37301** Batch ID: **37301** Units: **mg/L** Analysis Date: **6/26/2008** SeqNo: **829478**

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-37301** SampType: **LCS** TestCode: **SM5530_W** Prep Date: **6/26/2008** Run ID: **SPEC2_080626B**
Client ID: **LCS-37301** Batch ID: **37301** Units: **mg/L** Analysis Date: **6/26/2008** SeqNo: **829479**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.3330	0.20	0.2940	0	113	80	120	0			

Sample ID: **G0969-01BDUP** SampType: **DUP** TestCode: **SM5530_W** Prep Date: **6/26/2008** Run ID: **SPEC2_080626B**
Client ID: **FELF-EFF** Batch ID: **37301** Units: **mg/L** Analysis Date: **6/26/2008** SeqNo: **829481**

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: **G0969-01BMS** SampType: **MS** TestCode: **SM5530_W** Prep Date: **6/26/2008** Run ID: **SPEC2_080626B**
Client ID: **FELF-EFF** Batch ID: **37301** Units: **mg/L** Analysis Date: **6/26/2008** SeqNo: **829482**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenolics, Total Recoverable	0.9710	0.20	1.000	0	97.1	75	125	0			

0050
~~0000~~ 7/18/08

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

Mitkem Laboratories

Date: *27-Jun-08*

CLIENT: Earth Tech
Work Order: G0969
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

SM2540_TDS

SM 2540C -- TOTAL DISSOLVED SOLIDS

Sample ID: **MB-37274**	SampType: **MBLK**	TestCode: **SM2540_TDS**			Prep Date: **6/25/2008**			Run ID: **MANUAL_080625A**			
Client ID: **MB-37274**	Batch ID: **37274**	Units: **mg/L**			Analysis Date: **6/25/2008**			SeqNo: **829290**			
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-37274**	SampType: **LCS**	TestCode: **SM2540_TDS**			Prep Date: **6/25/2008**			Run ID: **MANUAL_080625A**			
Client ID: **LCS-37274**	Batch ID: **37274**	Units: **mg/L**			Analysis Date: **6/25/2008**			SeqNo: **829289**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids		245.0	10	235.0	0	104	80	120	0			

Sample ID: **G0969-01DDUP**	SampType: **DUP**	TestCode: **SM2540_TDS**			Prep Date: **6/25/2008**			Run ID: **MANUAL_080625A**			
Client ID: **FELF-EFF**	Batch ID: **37274**	Units: **mg/L**			Analysis Date: **6/25/2008**			SeqNo: **829288**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Dissolved Solids		365.0	10	0	0	0	0	0	363.0	0.549	20	

0051

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: G0969
Project: Fort Edward Landfill

ANALYTICAL QC SUMMARY REPORT

SM2540_TSS

SM 2540D -- TOTAL SUSPENDED SOLIDS

Sample ID: **MB-37276** SampType: **MBLK** TestCode: **SM2540_TSS** Prep Date: **6/25/2008** Run ID: **MANUAL_080625B**
Client ID: **MB-37276** Batch ID: **37276** Units: **mg/L** Analysis Date: **6/25/2008** SeqNo: **829302**

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-37276** SampType: **LCS** TestCode: **SM2540_TSS** Prep Date: **6/25/2008** Run ID: **MANUAL_080625B**
Client ID: **LCS-37276** Batch ID: **37276** Units: **mg/L** Analysis Date: **6/25/2008** SeqNo: **829301**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	72.00	10	76.30	0	94.4	80	120	0			

Sample ID: **G0969-01DDUP** SampType: **DUP** TestCode: **SM2540_TSS** Prep Date: **6/25/2008** Run ID: **MANUAL_080625B**
Client ID: **FELF-EFF** Batch ID: **37276** Units: **mg/L** Analysis Date: **6/25/2008** SeqNo: **829300**

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	

0052
Jc 9/18/08

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

Last Page of Data Report

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~~AGG~~
7/18/03