



June 18, 2008

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

Subject:

Fort Edward Landfill NYSDEC Site #5-58-001 Work Assignment D004445-19

Quarterly O&M Report: First Quarter - 2008

Dear Mr. Long:

On June 19 2007, Earth Tech assumed responsibility for the operation and maintenance (O&M) of the groundwater remedial system at the subject site, under NYSDEC work assignment (WA) D004445-19. This letter constitutes the third quarterly report regarding operations, maintenance and discharge water quality at the facility. The report describes activities during the months of January, February and March of 2008.

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

Sampling Results

Earth Tech conducted monthly sampling of influent and effluent water on January 21, February 18 and March 20, 2008. The samples were submitted to Mitkem Corporation (now Mitkem Laboratories) in Warwick, RI for analysis. Effluent samples were analyzed by EPA Method OLM 4.3 for volatile organic compounds (VOCs), SW 8082 (modified) for polychlorinated biphenyls (PCBs), ILM 4.1 (+ mercury) for metals, SM2540 for total dissolved solids (TDS) and total suspended solids (TSS), and SM5530 for phenolics. PCB analysis of system effluent is performed on a once-per-quarter basis (the February sample this quarter), as required in the Effluent Limitations and Monitoring Requirements (ELMR). Influent samples were analyzed for metals and VOCs only. Analytical results for all Earth Tech sampling events are summarized on the attached tables. The laboratory analytical reports for the current quarter are also attached.

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

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

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

System Maintenance

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

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

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

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

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

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

 $\underline{\text{February 8}^{\text{th}}}$ - Checked effluent sump pump performance. Backflushed the four holding tank discharge pumps.

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

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

 $\underline{\text{March } 20^{\text{th}}}$ - Replacement of O-ring in building sump pump union stopped leak. Backflushed the four holding tank discharge pumps. Conducted monthly sampling.

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

Very truly yours,

Earth Tech Northeast, Inc.

Then R Showing

Stephen R. Choiniere Project Manager

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

						N.	-LUENT -	INFLUENT - 2007 & 2008	80	
Analyte	Units	8/30/07	9/20/07	10/24/07	11/19/07	12/17/07	1/21/08	2/18/08	3/20/08	
Vinyl Chloride	ng/L	210 D	43	170			510 D		29	
1,1-Dichloroethene							L 4			
trans-1,2-Dichloroethene				3.1			7.3			
cis-1,2-Dichloroethene	•	190	85	310 D			Q 069		140	
Benzene				6 J			15		3.8 J	
Toluene	•			7 J			12			
Chlorobenzene				4 J			10		2.7 J	
Ethylbenzene							3.3			
Xylene (total)				11			27		5.1 J	
Isopropylbenzene							4 J			
Arsenic	(14)		5.1B	105					8.1B	
Barium	£	110B	107 B	286	47.2 B	62.0B	263	62.5 B	134 B	
Cadmium	•			0.61 B		0.23 B		0.53 B		
Chromium							1.2 B	2.3 B	0.22 B	
Cobalt	#	7.8 B	7.6 B	11.3 B	5.5 B	4.8 B	8.0 B	3.9 B	5.1B	
Copper			1.2 B	26.6	4.5 B	1.0 B		0.60 B	4.4 B	
Iron		39,800	40,500	187,000	15,800	18,200	44,200	21,300	46,300	
Lead	386		3.5	8.6		1.8 B	1.6 B			
Mercury					0.062 B		0.086 B			
Nickel		4.9 B	7.3 B	11.4B	4.4B	5.6 B	17.5 B	5.2 B	6.8 B	
Vanadium		0.81 B	1.8 B	14.0 B	1.6 B	1.2 B	4.7 B	0.96 B		
Zinc		3.5 B	1.0 B	7.6 B	6.7 B	2.2 B	0.74 B	6.5 B	6.2 B	

NOTES:

Data are shown only for detected VOCs, and for metals subject to effluent limitations. Blank cell = below RL for that sampling event

Analysis by EPA Method OLM 4.3 for volatile organics, and ILM 4.1 (+ mercury) for metals.

D - Analysis performed on diluted sample.

I - Estimated concentration.

B - Indicates a "trace" concentration below the reporting limit, and equal to or above the detection limit for the metal.

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

								FFLUENT-	EFFLUENT-2007 & 2008	
Analyte	Units	8/30/07	9/20/07	10/24/07	11/19/07	12/17/07	1/21/08	2/18/08	3/20/08	Discharge Limit
Vinyl Chloride	ng/L	<10	<10	<10	<10	<10	<10	<10	×10	20
Chloroethane		<10	<10	<10	<10	<10	<10	<10	<10	30
Methylene Chloride		<10	<10	<10	<10	<10	<10	<10	<10	50
1.1-Dichloroethane	**	<10	<10	<10	<10	<10	<10	<10	<10	30
1.2-Dichloroethene (Total)		<10	<10	<10	<10	<10	<10	<10	<10	30
Chloroform		<10	<10	<10	<10	<10	<10	<10	<10	150
Bromodichloromethane		<10	<10	<10	<10	<10	<10	<10	<10	30
Benzene		<10	<10	<10	<10	<10	<10	<10	<10	100
Toluene		<10	<10	<10	<10	<10	<10	<10	<10	01
Chlorobenzene		<10	<10	<10	<10	<10	<10	<10	<10	10
Ethylbenzene		<10	<10	<10	<10	<10	<10	¢10	<10	10
Xylenes, Total	*	<10	<10	<10	<10	<10	<10	<10	<10	0.00
Phenols, Total Phenolics	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	Monitor
PCB, Aroclor 1016	ng/L	<0.050	NA	NA	<0.050	Ą	NA	<0.050	₹Z	0.085
PCB, Aroclor 1221	•	<0.050	NA	NA	<0.050	NA	NA	<0.050	¥	0.065
PCB, Aroclor 1242		<0.050	ΑN	Ą	<0.050	NA	NA	<0.050	NA	0.065
Hd	SU	¥	NA	A	7.1	NA	7.5	7	7.4	0.6-0.9
Arsenic, Total	ug/L	<4.6	<4.6	15.5	<2.9	<2.9	<2.8	<2.8	<2.8	150
Barium, Total		88.1 B	59.2 B	141 B	45.2 B	60.6 B	33.5 B	44.7 B	38.4 B	rotigoM
Cadmium, Total		<0.10	<0.10	<0.20	<0.20	<0.20	<0.16	<0.16	<0.16	
Chromium, Total		0.38 B	<0.20	0.68 B	<0.30	<0.30	<0.15	0.70 B	2.9 B	210
Cobalt, Total	•	6.7 B	4.0 B	3.7 B	2.0 B	1.6B	0.73B	0.97 B	1.48	ıc
Copper, Total		5.0 B	6.0 B	11.7B	4.9 B	7.3 B	7.3 B	3.6B	10.0 B	24
Iron, Total		20,100	9,460	35,600	2,080	695	123	2,160	2,500	300
Lead, Total		1.3 B	4.0	9.4	<1.1	1.2B	4.1>	4.1^	1.8 B	32
Mercury, Total		<0.010	<0.010	<0.010	0.075 B	<0.020	0.088 B	<0.040	<0.040	80
Nickel, Total		6.0 B	6.0 B	7.7 B	4.2 B	6.0 B	3.3 B	3.4 B	3.2 B	9.6 or 96
Vanadium, Total		4.1B	1.5 B	7.6 B	2.7 B	1.6B	<0.43	1.4B	3.3 B	14
Zinc, Total		29.0	12.3 B	39.8 E	20 B	23.7	7.9 B	8.6B	16.2 B	170
Total Dissolved Solids	mg/L	620	600	520	370	430	320	220	170	200
Total Suspended Solids		100	46	78	~10 ~10	<10	<10	<10	<10	20

NOTES:

August, September and October effluent samples collected prior to treatment in polishing pond.

Data are shown for all analytes for which monitoring requirements have been established. Detected concentrations are shown in bold font.

Concentrations exceeding discharge limitations are shown in bold font in a shaded cell.

Analysis by EPA Method OLM 4.3 for volatile organics, SW 8082 (modified) for PCBs, ILM 4.1 (+ mercury) for metals, SM2540 for TDS & TSS, and SM5530 for phenolics.

J & E - Each indicates an estimated concentration.

NA - Not analyzed.

B - Indicates a "trace" concentration below the reporting limit, and equal to or above the detection limit for the metal.



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

February 11, 2008

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

E: Client Project: Fort Edward Landfill, reference number: 99163.04

Lab Project #: G0083

Dear Mr. Choiniere:

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

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

We appreciate your business.

Sincerely,

Shirley S. Ng

Project Manager

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

Project Name: Fort Edward Landfill

SDG: G0083

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

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

Project Name: Fort Edward Landfill

SDG: <u>G0083</u>

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

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

Project Name: Fort Edward Landfill

SDG: <u>G0083</u>

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

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

Project Name: Fort Edward Landfill

SDG: G0083

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

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MG0083

Mitkem Work Order ID: G0083

February 7, 2008

Prepared For:

Earth Tech

40 British American Boulevard

Latham, NY 12110

Attn: Mr. Stephen Choiniere

Prepared By:

Mitkem Laboratories

175 Metro Center Boulevard

Warwick, RI 02886 (401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Fort Edward Landfill project. Under this deliverable, analysis results are presented for three aqueous samples that were received on January 22, 2008. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID, along with.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category A deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. OLM 4.3 Volatile Analysis:

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

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

Samples were preserved with hydrochloric acid with pH<2.

Surrogate recovery: recoveries were within the QC limits.

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

Sample analysis: due to high concentration of target analytes, sample FELF-INF was reanalyzed at 8X dilution as FELF-INFDL. No other unusual observation was made for the analysis.

3. ILM 4.1 Metals Analysis:

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

Samples were preserved with nitric acid with pH<2.

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

Matrix spike: matrix spike analysis was performed on sample FELF-EFF for ICP and FELF-INF for mercury analysis. Spike recoveries were within the QC limits with the exception of mercury in FELF-INF. This element is flagged with an "N" on the data reporting forms.

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

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

4. Wet Chemistry Analysis:

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

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

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

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

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

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

Shirley Ng

Project Manager

02/11/08

HC Due: 02/12/08 Report Level: ASP-A **PO:** 99163.04 Case: SDG: Comments: under contract D004445-18-19-20-21-MIT-01 Project: Fort Edward Landfill Client ID: EARTH_NY Location:

Fax Due: 02/05/08

Sample ID	HS Client Sample ID	Collection Date Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage
G0083-01A	FELF-EFF	01/21/2008 10:20 01/22/2008	Aqueous	OLM4.2_VOA_W	+TIC	U U NOA
G0083-01B	44-41H	01/21/2008 10:20 01/22/2008	Aqueous	Aqueous II.M4.1 HG W	ILM	
				ILM4.1_ICP_W	ILM	☐ [M2
G0083-01C	FELF-EFF	01/21/2008 10:20 01/22/2008	Aqueous	SM2540_TDS		
				SM2540_TSS		
G0083-01D	FELF-EFF	01/21/2008 10:20 01/22/2008	Aqueous	SM5530_W		
G0083-02A	FELF-INF	01/21/2008 10:35 01/22/2008	Aqueous	OLM4.2_VOA_W	+TIC	O O O
G0083-02B	FELF-INF	01/21/2008 10:35 01/22/2008	Aqueous	Aqueous ILM4.1 HG W	ILM	M2
		-		ILM4.1_ICP_W	ILM	☐ ☐ ☑ M2
G0083-03A	TRIP BLANK	01/21/2008 0:00 01/22/2008	Aqueous	OLM4.2_VOA_W	+TIC	NOA C

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Page

Sample Transmittal Documentation

SPECTRUM ANALYTICAL, INC. REPORT TO: Earth Tech American Bluch. Latham All 12110 Project Mgr.: Steve Chainere. Project Mgr.: Steve Chainere. Project Mgr.: Steve Chainere. DW-Drinking Water GW-Groundwater WW-Wastewater DO-Oil SW-Surface Water SO-Soil SL-Sludge A=Air SPECTRON Page 1 of 1 Invoice To: Sam e Sam E Sam E Site Name: Location:
1 American Blud. 14 12 11 0 2e Choinere 3=H ₂ SO ₄ 4=HNO ₃ 5=NaOH 0 ₄ 9= 10= GW=Groundwater WW=Was Water SO=Soil SL=Sludge
Tech Tech Tech 1 American Blub. 17 12 110 3=H ₂ SO ₄ 4=HNO ₃ 5=NaOH O4 9= 10= GW=Groundwater WW=Was Water SO=Soil SU=Shudop
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11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

MITKEM CORPORATION

Sample Condition Form

Page \(\frac{1}{2}\) of \(\frac{1}{2}\)

Received By:	Reviewed By			Date: 1	123/68	MITKE	M Worko	rder#: (, 0083
Client Project: For4	ED hardfill			Client:	Ean	+17			Soil Headspace
			ala ID	HNO ₃	Preserv	1		VOA	or Air Bubbles ≥ 1/4"
		Lab Sam (ଚ୦୪ୈ		()	H₂SO₄ ∠⊋	HCI	NaOH	Matrix	2 1/4
1) Cooler Sealed Yes / N	No				~ ~			H	
		G0083	03	75		<u> </u>		Η	
2) Custody Seal(s)	Rresent / Absent	<u>60083</u>	03					H	
	Coolers / Bottles	×							
	Intaot / Broken						:		
							-		
3) Custody Seal Number(s)	AIK								/
									/
		. :.						ļ,	/
	action increases to								
4) Chain-of-Custody	Present) Absent								
								1	
5) Cooler Temperature	-1°C								
Coolant Condition	-1°C								
6) Airbill(s)	Present Absent					5			
Airbill Number(s)	FEDEX				- 1	>			
/ (II bill (Validoci (G)	864197121878					1			
	50419 1102 18 7 8					1			
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 	(C) (D) (I) (I)		<u> </u>	 /			<u> </u>		
7) Sample Bottles	Intaot/Broken/Leaking			/	<u> </u>		! 		
	1.01			/ 				-	
8) Date Received	199/08		 /	<u> </u>			<u> </u>	L	L. <u></u>
			/		-				
9) Time Received	<u>ଝ:ଁ୪୦</u>		/				Matrix Ke	-	
]	US = (Jnpreserv	ed Soil	A = Air
Preservative Name/Lot No:					1	UA = l	Jnpreserv	ed Aqu.	H = HCI
						M= Me	еΟΗ		E = Encore
		/		<u> </u>		N = Na	aHSO₄		F = Freeze
	,	<u> </u>			}				
See Sample Cond	lition Notification/Correc	tive Action Fo	orm v	es/no					
See Sample Cond	ntion Notification/Confec	NAC VIOUOII I	, y			Rad O	K yes/ n	0	



* Volatiles *

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

				FELF-E	יםים	
Lab Name: M	ITKEM LABORATORIES	Contract:		FELL-E		
Lab Code: M	ITKEM Case No.:	SAS N	To.: S	DG No.: MG	0083	
Matrix: (so	il/water) <u>WATER</u>	· I	ab Sample ID:	G0083-01A		٠
Sample wt/v	ol: <u>5.000</u> (g/mL) <u>ML</u>	I	ab File ID: V	514198	·	
Level: (lo	w/med) <u>LOW</u>	E	ate Received:	01/22/08		
% Moisture:	not dec.	D	ate Analyzed:	01/24/08		
GC Column:	DB-624 ID: <u>0.25</u> (mm)	D	ilution Factor	: <u>1.0</u>		
Soil Extrac	t Volume:(uL)	S	oil Aliquot Vo	lume:	(uL)
	-		CONCENTRAT	TONI INITTE.		
CAS NO.	COMPOUND		(ug/L or u			
75-71-8	Dichlorodifluoromethane	· · · · · · · · · · · · · · · · · · ·		10	Ū	
	Chloromethane			10	Ū	
75-01-4	Vinyl Chloride			10	Ū	
74-83-9	Bromomethane			10	Ū	
75-00-3	Chloroethane	·	· ·	10	Ū	
75-69-4	Trichlorofluoromethane			10	Ū	
75-35-4	1,1-Dichloroethene			10	Ū	
76-13-1	1,1,2-Trichloro-1,2,2-tri	fluoroeth	ane	10	Ū	
67-64-1	Acetone			10	Ū	
75-15-0	Carbon Disulfide			10	Ü	
79-20-9	Methyl Acetate			10	Ū	
75-09-2	Methylene Chloride			10	Ü	
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	Ū	
156-59-2	cis-1,2-Dichloroethene			10	Ū	
78-93-3	2-Butanone			10	U	

67-66-3 Chloroform

Benzene

71-55-6

110-82-7

56-23-5

71-43-2

107-06-2

1,1,1-Trichloroethane Cyclohexane Carbon Tetrachloride

1,2-Dichloroethane

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1B VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

			FELF-E	'h'h' . l
Lab Name: M	ITKEM LABORATORIES	Contract:		
Lab Code: M	ITKEM Case No.:	SAS No.:	SDG No.: MG	0083
Matrix: (so	il/water) <u>WATER</u>	Lab Sample II	D: G0083-01A	
Sample wt/v	ol: <u>5.000</u> (g/mL) <u>ML</u>	Lab File ID:	V5I4198	
				
Level: (lo	w/med) <u>LOW</u>	Date Received	l: <u>01/22/08</u>	1.5
% Moisture:	not dec.	Date Analyzed	l: <u>01/24/08</u>	
GC Column:	DB-624 ID: <u>0.25</u> (mm)	Dilution Fact	or: <u>1.0</u>	
Soil Extrac	t Volume:(uL)	Soil Aliquot	Volume:	(uL)
•				
CAS NO.	COMPOUND		RATION UNITS: ug/Kg) <u>UG/L</u>	Q
79-01-6	Trichloroethene		10	U
	Methylcyclohexane		10	U
78-87-5	1,2-Dichloropropane		10	<u> </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	Ü
127-18-4	Tetrachloroethene		10	U
591-78-6	2-Hexanone		10	Ü
124-48-1	Dibromochloromethane		10	U
106-93-4	1,2-Dibromoethane		10	U
108-90-7	Chlorobenzene		10	U
100-41-4			10	U
1330-20-7	Xylene (Total)		10	U
100-42-5	Styrene		10	Ū
75-25-2	Bromoform		10	Ŭ
98-82-8	Isopropylbenzene		10	Ū
79-34-5	1,1,2,2-Tetrachloroethane		10	U
541-73-1	1,3-Dichlorobenzene		10	U
106-46-7			10	Ŭ
95-50-1	1,2-Dichlorobenzene		10	Ŭ
96-12-8	1,2-Dibromo-3-chloropropa	ne	10	Ū
120-82-1	1,2,4-Trichlorobenzene		10	Ū

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.	

Lab Name: MITKEM LABORATORIES	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0083
Matrix: (soil/water) WATER	Lab Sample ID: G0083-01A
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V5I4198
Level: (low/med) LOW_	Date Received: 01/22/08
% Moisture: not dec.	Date Analyzed: 01/24/08
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)
Number TICs found: 0	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

OLM04.3

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	,			FELF-IN	Ŧ	
Lab Name: \underline{M}	ITKEM LABORATORIES	Contract:				
Lab Code: M	ITKEM Case No.:	SAS No.:	SI	DG No.: MG(0083	
Matrix: (so	il/water) <u>WATER</u>	Lab S	ample ID: 0	G0083-02A	_	
Sample wt/v	ol: <u>5.000</u> (g/mL) <u>ML</u>	Lab F	ile ID: V	514199		
Level: (lo	w/med) <u>LOW</u>	Date	Received:	01/22/08		
% Moisture:	not dec.	Date	Analyzed:	01/24/08		
GC Column: 1	DB-624 ID: <u>0.25</u> (mm)	Dilut	ion Factor	: 1.0		
Soil Extract	t Volume:(uL)	Soil	Aliquot Vol	Lume:	(uL)
CAS NO.	COMPOUND		CONCENTRAT: (ug/L or ug		Q	
75-71-8	Dichlorodifluoromethane			10	Ū	
74-87-3	Chloromethane			10	U	
75-01-4	Vinyl Chloride			480	E	
74-83-9	Bromomethane			10	U	
75-00-3	Chloroethane			10	Ū	
75-69-4	Trichlorofluoromethane			10	U	
75-35-4	1,1-Dichloroethene			4	J	
76-13-1	1,1,2-Trichloro-1,2,2-tri	fluoroethane		10	Ū	
67-64-1	Acetone			10	Ū	
75-15-0	Carbon Disulfide			10	Ū	
79-20-9		- 11-2-2-21		10	U	
	Methylene Chloride			10	U	
156-60-5	trans-1,2-Dichloroethene		ļ	7	J	

1634-04-4

75-34-3

78-93-3

67-66-3

71-55-6

110-82-7

56-23-5

71-43-2

107-06-2

156-59-2

Methyl tert-Butyl Ether

cis-1,2-Dichloroethene

1,1,1-Trichloroethane

Carbon Tetrachloride

1,2-Dichloroethane

1,1-Dichloroethane

2-Butanone

Chloroform

Cyclohexane

Benzene

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: M	ITKEM LABORATORIES	Contract:	FELF-I	NF
Lab Code: M	ITKEM Case No.:	SAS No.:S	DG No.: MG	0083
Matrix: (so	il/water) <u>WATER</u>	Lab Sample ID:	G0083-02A	
Sample wt/v	ol: <u>5.000</u> (g/mL) <u>ML</u>	Lab File ID: \underline{V}	514199	-
Level: (lo	w/med) <u>LOW</u>	Date Received:	01/22/08	
% Moisture:	not dec	Date Analyzed:	01/24/08	
GC Column: 1	DB-624 ID: <u>0.25</u> (mm)	Dilution Factor	: 1.0	
Soil Extrac	t Volume:(uL)	Soil Aliquot Vo	lume:	(uL)
CAS NO.	COMPOUND	CONCENTRAT (ug/L or u		Q
79-01-6	Trichloroethene		10	U
108-87-2			10	Ū
78-87-5			10	Ū
75-27-4	Bromodichloromethane		. 10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		12	
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	Ŭ
127-18-4	Tetrachloroethene		10	U
591-78-6	2-Hexanone		10	Ü
124-48-1	Dibromochloromethane		10	Ū ·
106-93-4	1,2-Dibromoethane		10	Ū
108-90-7	Chlorobenzene		10	
100-41-4	Ethylbenzene		3	J
1330-20-7	Xylene (Total)		27	
100-42-5	Styrene		10	Ū
75-25-2	Bromoform		10	Ū
98-82-8 79-34-5	Isopropylbenzene		4	J
	1,1,2,2-Tetrachloroethane	· · ·	10	U
	1,3-Dichlorobenzene		10	U
106-46-7	1,4-Dichlorobenzene		10	Ü
95-50-1 96-12-8	1,2-Dichlorobenzene	200	10	Ŭ
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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

FELF-INF	

Lab Name: MITKEM LABORATORIES	Contract:
Lab Code: MITKEM Case No.:	_ SAS No.: SDG No.: MG0083
Matrix: (soil/water) WATER	Lab Sample ID: G0083-02A
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: <u>V5I4199</u>
Level: (low/med) LOW	Date Received: 01/22/08
% Moisture: not dec	Date Analyzed: 01/24/08
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)
Number TICs found: 9	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.79	7	J
2.	UNKNOWN	3.60	6	J
3. 109-99-9	FURAN, TETRAHYDRO-	4.96	100	NJ
4. 462-95-3	METHANE, DIETHOXY-	5.65		NJ
5.	UNKNOWN	6.63	9	J
6.	UNKNOWN	7.37	35	J
7.	UNKNOWN	8.28		J
8. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	11.32		NJ
9. 2051-61-8	3-CHLOROBIPHENYL	17.80	22	NJ
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FORM I VOA-TIC

OLM04.3

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM LABORATORIES	Contract: FELF-INFDL
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0083
Matrix: (soil/water) WATER	Lab Sample ID: G0083-02ADL
Sample wt/vol: <u>5.000</u> (g/mL) <u>ML</u>	Lab File ID: V5I4200A
Level: (low/med) LOW_	Date Received: 01/22/08
% Moisture: not dec.	Date Analyzed: 01/24/08
GC Column: $\underline{DB-624}$ ID: $\underline{0.25}$ (mm)	Dilution Factor: 8.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL

CAS NO. COMPOUND COMP

75-71-8	Dichlorodifluoromethane	80	Ū
74-87-3	Chloromethane	80	Ū
75-01-4	Vinyl Chloride	510	D
74-83-9	Bromomethane	80	Ū
75-00-3	Chloroethane	80	Ū
75-69-4	Trichlorofluoromethane	80	Ū
75-35-4	1,1-Dichloroethene	80	Ū
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	80	Ū
67-64-1	Acetone	80	Ū
75-15-0	Carbon Disulfide	80	U
79-20-9	Methyl Acetate	80	Ū
75-09-2	Methylene Chloride	80	Ū
156-60-5	trans-1,2-Dichloroethene	80	Ū
1634-04-4	Methyl tert-Butyl Ether	80	Ū
75-34-3	1,1-Dichloroethane	80	Ū
156-59-2	cis-1,2-Dichloroethene	690	D
78-93-3	2-Butanone	80	Ū
67-66-3	Chloroform	80	Ū
71-55-6	1,1,1-Trichloroethane	80	Ū
110-82-7	Cyclohexane	80	Ū
56-23-5	Carbon Tetrachloride	80	ט
71-43-2	Benzene	80	Ū
107-06-2	1,2-Dichloroethane	80	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: M	ITKEM LABORATORIES	Contract:	FELF-IN	FDL
Lab Code: M	ITKEM Case No.:	SAS No.:	SDG No.: MG	0083
Matrix: (so	il/water) <u>WATER</u>	Lab Sample II	D: <u>G0083-02AD</u>	<u>L</u>
Sample wt/ve	5.000 (g/mL) ML	Lab File ID:	V5I4200A	<u>.</u>
Level: (lov	w/med) <u>LOW</u>	Date Received	d: <u>01/22/08</u>	
% Moisture:	not dec	Date Analyzed	d: <u>01/24/08</u>	
GC Column: I	DB-624 ID: <u>0.25</u> (mm)	Dilution Fact	cor: <u>8.0</u>	
Soil Extract	Volume:(uL)	Soil Aliquot	Volume:	(uL)
CAS NO.	COMPOUND	and the second s	RATION UNITS: ug/Kg) <u>UG/L</u>	Q
79-01-6			80	Ū
108-87-2	Methylcyclohexane		80	Ū
78-87-5	1,2-Dichloropropane		80	Ū
75-27-4	Bromodichloromethane		80	Ū
10061-01-5	cis-1,3-Dichloropropene		80	Ū.
108-10-1	4-Methyl-2-Pentanone		80	Ū
108-88-3	Toluene		80	Ū
10061-02-6	trans-1,3-Dichloropropene		80	Ū
79-00-5	1,1,2-Trichloroethane		80	Ū
127-18-4	Tetrachloroethene		80	Ū
591-78-6	2-Hexanone		80	Ū
124-48-1	Dibromochloromethane		80	Ū
106-93-4	1,2-Dibromoethane		80	Ū
	Chlorobenzene		80	Ū
	Ethylbenzene		80	Ū
1330-20-7	Xylene (Total)		24	DJ

100-42-5

75-25-2

98-82-8

79-34-5

541-73-1

106-46-7

95-50-1 96-12-8

120-82-1

Styrene

Bromoform

Isopropylbenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

1,1,2,2-Tetrachloroethane

1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.
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Lab Name: MITKEM LABORATORIES Contract: FELF-INFDI	Li
Tab Codo MINIVEM Caro No . CAC No . CDC No . MC0002	
Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0083	
Matrix: (soil/water) WATER Lab Sample ID: G0083-02ADL	
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: $V5I4200A$	
Level: (low/med) LOW Date Received: 01/22/08	ē
% Moisture: not dec Date Analyzed: 01/24/08	
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 8.0	
Soil Extract Volume: (uL) Soil Aliquot Volume: (1	يل)
CONCENTRATION UNITS: Number TICs found: 0 (ug/L or ug/Kg) ug/L	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

OLM04.3

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

			TRIP B	T.ANK
Lab Name: \underline{M}	ITKEM LABORATORIES	Contract:		
Lab Code: M	ITKEM Case No.:	SAS No.:	SDG No.: M	<u>G0083</u>
Matrix: (so	il/water) <u>WATER</u>	Lab Samp	ole ID: <u>G0083-03A</u>	<u> </u>
Sample wt/ve	ol: <u>5.000</u> (g/mL) ML	Lab File	e ID: <u>V5I4200</u>	
Level: (lo	w/med) <u>LOW</u>	Date Rec	eived: <u>01/22/08</u>	
% Moisture:	not dec.	Date Ana	alyzed: <u>01/24/08</u>	
GC Column: 1	DB-624 ID: <u>0.25</u> (mm)	Dilution	Factor: 1.0	
Soil Extract	Volume:(uL)	Soil Ali	quot Volume:	(uL)
CAS NO.	COMPOUND		CENTRATION UNITS	-
75-71-8	Dichlorodifluoromethane		10	Ū
74-87-3	Chloromethane		10	U
75-01-4	Vinyl Chloride	***	. 10	Ū
74-83-9	Bromomethane		10	Ū
75-00-3	Chloroethane		10	Ū
75-69-4	Trichlorofluoromethane	.:	10	Ū
75-35-4			10	Ū
76-13-1	1,1,2-Trichloro-1,2,2-tri	fluoroethane	10	Ū
67-64-1	Acetone		10	Ū
75-15-0	Carbon Disulfide		10	Ū
79-20-9	Methyl Acetate		10	Ū
75-09-2	Methylene Chloride		10	U
156-60-5	trans-1,2-Dichloroethene		10	U
1634-04-4	Methyl tert-Butyl Ether	· · ·	10	IT

75-34-3

156-59-2

78-93-3

67-66-3

71-55-6

56-23-5

71-43-2

107-06-2

110-82-7

1,1-Dichloroethane

2-Butanone

Chloroform

Cyclohexane

Benzene

cis-1,2-Dichloroethene

1,1,1-Trichloroethane

Carbon Tetrachloride

1,2-Dichloroethane

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1B VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: M	ITKEM LABORATORIES	Contract:	TRIP BLANK
	ITKEM Case No.:	•	SDG No.: MG0083
Matrix: (so	il/water) <u>WATER</u>	Lab Sample	ID: <u>G0083-03A</u>
Sample wt/v	ol: <u>5.000</u> (g/mL) <u>ML</u>	_ Lab File ID	: <u>V5I4200</u>
Level: (lo	w/med) <u>LOW</u>	Date Receiv	ed: <u>01/22/08</u>
% Moisture:	not dec.	Date Analyz	ed: <u>01/24/08</u>
GC Column: 1	DB-624 ID: <u>0.25</u> (mm)	Dilution Fa	ctor: <u>1.0</u>
Soil Extract	Volume:(uL)	Soil Aliquo	t Volume:(uL)
CAS NO.	COMPOUND		TRATION UNITS: or ug/Kg) <u>UG/L</u> Q
79-01-6	Trichloroethene		10 U
108-87-2	Methylcyclohexane		10 U
78-87-5	1,2-Dichloropropane		10 U
75-27-4	Bromodichloromethane		10 U
10061-01-5	cis-1,3-Dichloropropene		10 U
108-10-1	4-Methyl-2-Pentanone		10 U
108-88-3	Toluene		10 U
10061-02-6	trans-1,3-Dichloropropene	e	10 U
79-00-5	1,1,2-Trichloroethane		10 U
127-18-4	Tetrachloroethene		10 U
591-78-6			10 U
124-48-1			10 U
106-93-4			10 U
108-90-7	Chlorobenzene		10 U

100-41-4

100-42-5

75-25-2

98-82-8

79-34-5

541-73-1

106-46-7

95-50-1

96-12-8

120-82-1

1330-20-7

Ethylbenzene

Styrene

Bromoform

Xylene (Total)

Isopropylbenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene

1,2-Dibromo-3-chloropropane

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contra	act:
Lab Code: MITKEM Case No.: SAS N	No.: SDG No.: MG0083
Matrix: (soil/water) WATER	Lab Sample ID: G0083-03A
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V5I4200
Level: (low/med) LOW_	Date Received: 01/22/08
% Moisture: not dec.	Date Analyzed: 01/24/08
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)
Number TICs found: 2	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 34883-39-1	1,1'-BIPHENYL, 2,5-DICHLORO-	12.88		IJ
2. 2051-61-8	3-CHLOROBIPHENYL	17.81	5	ŊJ
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FORM I VOA-TIC

OLM04.3

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

		VY5LCS
Lab Name: MI	TKEM LABORATORIES	Contract:
Lab Code: M	TTKEM Case No.:	SAS No.: SDG No.: MG0083
Matrix: (soi	il/water) <u>WATER</u>	Lab Sample ID: LCS-34523
Sample wt/vo	ol: <u>5.000</u> (g/mL) <u>ML</u>	Lab File ID: V5I4193
Level: (low	v/med) <u>LOW</u>	Date Received:
% Moisture:	not dec.	Date Analyzed: 01/24/08
GC Column: I	DB-624 ID: <u>0.25</u> (mm)	Dilution Factor: 1.0
Soil Extract	: Volume:(uL)	Soil Aliquot Volume:(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
75-71-8	Dichlorodifluoromethane	10 U
74-87-3	Chloromethane	10 Ü
75-01-4	Vinvl Chloride	10 J IJ

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75-71-8	Dichlorodifluoromethane	10		Ŭ
74-87-3	Chloromethane	10	0	U
75-01-4	Vinyl Chloride	10)	Ŭ
74-83-9	Bromomethane	1)	Ŭ
75-00-3	Chloroethane	10)	Ū
75-69-4	Trichlorofluoromethane	10)	· U
75-35-4	1,1-Dichloroethene	58	3	,
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	0	Ū
67-64-1	Acetone	10	C	Ū
75-15-0	Carbon Disulfide	10	O.	ט
79-20-9	Methyl Acetate	10	0	Ü
75-09-2	Methylene Chloride	10	0	Ū
156-60-5	trans-1,2-Dichloroethene	10	0	ט
1634-04-4	Methyl tert-Butyl Ether	10	0	Ŭ
75-34-3	1,1-Dichloroethane	10	0	U
156-59-2	cis-1,2-Dichloroethene	10)	ט
78-93-3	2-Butanone	10)	Ū
67-66-3	Chloroform	10	0	Ū
71-55-6	1,1,1-Trichloroethane	10	0	Ū
110-82-7	Cyclohexane	10	0	U
56-23-5	Carbon Tetrachloride	10)	Ū
71-43-2	Benzene	59	9	
107-06-2	1,2-Dichloroethane	10)	Ŭ

1B VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	VY5LCS	3	
Lab Name: MITKEM LABORATORIES Contract:	V15100	, 	
Lab Code: MITKEM Case No.: SAS No.: SD	OG No.: MGC	083	
Matrix: (soil/water) WATER Lab Sample ID: Lab Sample Lab Sample ID: Lab Sample ID	CS-34523		
Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V_2	514193		
Level: (low/med) LOW Date Received: _			
% Moisture: not dec Date Analyzed: 0	01/24/08		
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor:	1.0		
Soil Extract Volume: (uL) Soil Aliquot Vol	ume:		(uL)
CONCENTRATI CAS NO. COMPOUND (ug/L or ug		Q	
79-01-6 Trichloroethene	57		
79-01-6 Trichloroethene 108-87-2 Methylcyclohexane 78-87-5 1,2-Dichloropropane	10	Ü	
	10	U	
75-27-4 Bromodichloromethane	10	U	
10061-01-5 cis-1,3-Dichloropropene	10	Ü	
108-10-1 4-Methyl-2-Pentanone	10	U	
108-88-3 Toluene	55	77	
10061-02-6 trans-1,3-Dichloropropene	10	Ū	
79-00-5 1,1,2-Trichloroethane 127-18-4 Tetrachloroethene	10 10	Ū	
127-18-4 Tetrachloroethene 591-78-6 2-Hexanone	10	Ū	
124-48-1 Dibromochloromethane	10	Ū	

106-93-4

108-90-7

100-41-4

100-42-5

75-25-2

98-82-8

79-34-5

541-73-1

106-46-7

95-50-1

96-12-8

120-82-1

1330-20-7

1,2-Dibromoethane

Chlorobenzene

Xylene (Total)

Isopropylbenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,1,2,2-Tetrachloroethane

1,2-Dibromo-3-chloropropane

Ethylbenzene

Styrene

Bromoform

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2A WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab	Name:	MITKEM	LABORATORIES	Contract: _		
Lab	Code:	MITKEM	Case No.:	SAS No.:	SDG No.:	MG0083

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

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

Column to be used to flag recovery values

* Values outside of contract required QC limits

page 1 of 1

FORM II VOA-1

OLM04.3

WATER VOLATILE LAB CONTROL SAMPLE

Lab Name:	MITKEM LA	BORATORIES	C	ontract:			
Lab Code:	MITKEM	Case No.:		SAS No.:		SDG No.:	MG0083
Matrix Sp	ike – Sam	ple No.:	VY5LC	S	•		

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		58	116	61-145
Benzene	50		59	118	76-127
Trichloroethene	50		57	114	71-120
Toluene	50		55	110	76-125
Chlorobenzene	50		57	114	75-130

- # Column to be used to flag recovery and RPD values with an asterisk
- * Values outside of QC limits

RPD: 0 out of 0 outside limits Spike Recovery: 0 out of 5 outside limits

COMMENTS:	

4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

	VBLKY5
Lab Name: MITKEM LABORATORIES	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0083
Lab File ID: V5I4192	Lab Sample ID: MB-34523
Date Analyzed: 01/24/08	Time Analyzed: 0941
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Heated Purge: (Y/N) N
Instrument ID: V5	

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

	I 			
	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	=========	==========	=======================================	========
01	VY5LCS	LCS-34523	V5I4193	1008
02	FELF-EFF	G0083-01A	V5I4198	1222
03	FELF-INF	G0083-02A	V5I4199	1249
04	TRIP BLANK	G0083-03A	V5I4200	1316
05	FELF-INFDL	G0083-02ADL	V5I4200A	1342
06	VHBLKY5	VHBLKY5	V5I4216	2050
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COMMENTS:		

page 1 of 1

FORM IV VOA

OLM04.3

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM LABORATORIES	Contract:VBLKY5
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0083
Matrix: (soil/water) WATER	Lab Sample ID: MB-34523
Sample wt/vol: <u>5.000</u> (g/mL) <u>ML</u>	Lab File ID: V5I4192
Level: (low/med) <u>LOW</u>	Date Received:
% Moisture: not dec.	Date Analyzed: 01/24/08
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>UG/L</u> Q

1 7 71 0	Dichlorodifluoromethane	10	U
75-71-8			
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	Ŭ
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ŭ
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	Ū
79-20-9	Methyl Acetate	10	Ū
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	Ŭ
75-34-3	1,1-Dichloroethane	10	Ū
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	Ŭ
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	Ū
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	Ŭ
107-06-2	1,2-Dichloroethane	10	Ū

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO
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			VBLKY5
Lab Name: M	ITKEM LABORATORIES	Contract:	\
Lab Code: M	ITKEM Case No.:	SAS No.:	SDG No.: MG0083
Matrix: (so	il/water) <u>WATER</u>	Lab Sample ID:	MB-34523
Sample wt/vo	ol: <u>5.000</u> (g/mL) <u>ML</u>	Lab File ID:	V5I4192
Level: (lo	w/med) <u>LOW</u>	Date Received:	· ·
% Moisture:	not dec.	Date Analyzed:	01/24/08
GC Column: I	DB-624 ID: <u>0.25</u> (mm)	Dilution Facto	r: <u>1.0</u>
Soil Extract	t Volume:(uL)	Soil Aliquot V	olume:(uL)
CAS NO.	COMPOUND		TION UNITS: ug/Kg) <u>UG/L</u> Q
79-01-6			10 U
108-87-2			10 U
-78-87-5	1,2-Dichloropropane		10 U
75-27-4	Bromodichloromethane		10 U
10061-01-5			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 10 U
79-00-5			
127-18-4			10 U
591-78-6	2-Hexanone		10 U
124-48-1	Dibromochloromethane	İ	10 U

1,2-Dibromoethane

Chlorobenzene

Xylene (Total)

Isopropylbenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,1,2,2-Tetrachloroethane

1,2-Dibromo-3-chloropropane

Ethylbenzene

Styrene

Bromoform

106-93-4

108-90-7

100-41-4

1330-20-7

100-42-5

75-25-2

98-82-8

79-34-5 541-73-1

106-46-7

95-50-1

96-12-8

120-82-1

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	МО

Lab Name: MITKEM LABORATORIES	Contract:	
Lab Code: MITKEM Case No.:	_ SAS No.: SDG No.: MG0083	
Matrix: (soil/water) WATER	Lab Sample ID: MB-34523	
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V5I4192	
Level: (low/med) LOW_	Date Received:	
% Moisture: not dec.	Date Analyzed: 01/24/08	_
GC Column: $\underline{DB-624}$ ID: $\underline{0.25}$ (mm)	Dilution Factor: 1.0	
Soil Extract Volume:(uL)	Soil Aliquot Volume:(u	ıLı)
Number TICs found: 0	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

OLM04.3

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM LABORATORIES C	ontract: VHBLKY5
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0083
Matrix: (soil/water) WATER	Lab Sample ID: VHBLKY5
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V5I4216
Level: (low/med) <u>LOW</u>	Date Received: 01/22/08
% Moisture: not dec	Date Analyzed: 01/24/08
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	Ū
74-83-9	Bromomethane	10	Ŭ
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	Ŭ
75-34-3	1,1-Dichloroethane	10	Ū
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	Ū
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	.10	Ŭ
110-82-7	Cyclohexane	10	Ū
56-23-5	Carbon Tetrachloride	10	Ū
71-43-2	Benzene	10	Ū
107-06-2	1,2-Dichloroethane	10	Ū

1B VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.
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Lab Name: M	ITKEM LABORATORIES	Contract:	VHBLK	Y5
Lab Code: M	ITKEM Case No.:	SAS No.:	SDG No.: MG	0083
Matrix: (so	il/water) WATER	Lab Sample ID:	VHBLKY5	
Sample wt/v	ol: 5.000 (g/mL) ML	Lab File ID:	V5I4216	
Level: (lo	w/med) <u>LOW</u>	Date Received:	01/22/08	
% Moisture:	not dec.	Date Analyzed:	01/24/08	
GC Column: 1	DB-624 ID: <u>0.25</u> (mm)	Dilution Factor	r: <u>1.0</u>	
Soil Extract	t Volume:(uL)	Soil Aliquot Vo	olume:	(uL)
•				- -
CAS NO.	COMPOUND		FION UNITS: ug/Kg) <u>UG/L</u>	Q
79-01-6	Trichloroethene		10	Ū
	Methylcyclohexane		10	Ū
78-87-5			10	U.
75-27-4	Bromodichloromethane	- 4	10	Ū
10061-01-5	cis-1,3-Dichloropropene		10	Ū
108-10-1	4-Methyl-2-Pentanone		10	Ū
108-88-3	Toluene		10	Ū
10061-02-6	trans-1,3-Dichloropropene	9	10	Ū
79-00-5	1,1,2-Trichloroethane		10	Ū
127-18-4	Tetrachloroethene		10	Ū
591-78-6	2-Hexanone		10	U
124-48-1	Dibromochloromethane		10	Ū
106-93-4	1,2-Dibromoethane		10	U
108-90-7	Chlorobenzene		10	Ü
100-41-4	Ethylbenzene		10	Ū
1330-20-7	Xylene (Total)		10	U
100-42-5	Styrene		10	Ū
75-25-2	Bromoform		10	Ū
98-82-8	Isopropylbenzene	,	10	Ū
79-34-5	1,1,2,2-Tetrachloroethane	2	10	Ŭ
	1,3-Dichlorobenzene		10	Ŭ
	1,4-Dichlorobenzene		10	Ŭ.
95-50-1	1,2-Dichlorobenzene		10	U
96_12_8	1 2-Dibromo-3-chloropropa	ine I	10	ΪŢ

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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	VHBLKY5
Lab Name: MITKEM LABORATORIES Con	ntract:
Lab Code: MITKEM Case No.: SA	AS No.: SDG No.: MG0083
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID: VHBLKY5
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V5I4216
Level: (low/med) <u>LOW</u>	Date Received: 01/22/08
% Moisture: not dec.	Date Analyzed: 01/24/08
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)
Number TICs found: 0	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

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CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

OLM04.3



* Metals *

Lab Name:	Mitkem Lak	poratories	Contract:	99163.04				
Lab Code:	MITKEM	Case No.:	SAS No.:		SDG No.: MG00	83		
SOW No.:	ILM04.1							
		EPA Sample No. FELF-EFF FELF-EFFS FELF-INF FELF-INFD FELF-INFS		Lab Samp G0083-01 G0083-01 G0083-02 G0083-02 G0083-02	- DUP MS 2 DUP			
ere ICP	interelemen	t corrections applied?	7	/es/No	YES			
	=	ections applied? w data generated before	7	Yes/No	YES			
-	•	background corrections?	Z	Zes/No	NO			
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Date:	2/01	K8	Title:					

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ILM04.1

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EPA SAMPLE NO.

	INORGANIC ANA	ALYSIS DATA SI	HEET	FELF-EFF
Name: Mitkem Laborator	ries	Contract:	99163.04	

SDG No.: MG0083 SAS No.: Lab Code: MITKEM Case No.: Lab Sample ID: G0083-01

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

% Solids: 0.0

Matrix (soil/water): WATER

Lab

CAS No.	Analyte	Concentration	С	Q	M
7429-90-5	Aluminum	60.4	В		Р
7440-36-0	Antimony	1.8	U		P
7440-38-2	Arsenic	2.8	U		Р
7440-39-3	Barium	33.5	В		P
7440-41-7	Beryllium	0.040	Ü		P
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium	60700			P
7440-47-3	Chromium	0.15	U		P
7440-48-4	Cobalt	0.73	В		P
7440-50-8	Copper	7.3	В		P
7439-89-6	Iron	123			P
7439-92-1	Lead	1.4	U		P
7439-95-4	Magnesium	21900			P
7439-96-5	Manganese	114			P
7439-97-6	Mercury	0.088	В	N	CV
7440-02-0	Nickel	3.3	В		P
7440-09-7	Potassium	3290	В		Р
7782-49-2	Selenium	11.6			P
7440-22-4	Silver	6.7	В		P
7440-23-5	Sodium	16600			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	0.43	U		P
7440-66-6	Zinc	7.9	В		P

	Color	Before	COLORLESS	Clarity	Before:	CLEAR	Texture:
	Color	After:	COLORLESS	Clarity	After:	CLEAR	Artifacts:
Commer	nts:						
	-						

EPA SAMPLE NO.

		INORGANIC ANALYSIS	DATA SH	EET	EETE-INE	
Lab Name:	Mitkem Laboratories	Con	tract:	99163.04		
Lab Code:	MITKEM Case No.	: SAS	No.:		SDG No.:	MG0083

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

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

% Solids: 0.0

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

	Color	Before	COLORLESS	Clarity Before:	CLEAR	Texture:
	Color	After:	YELLOW	Clarity After:	CLEAR	Artifacts:
Commen	nts:					

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

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

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

MB-34540 Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

FIMS1 080125A

				-	11101_000125	1				
	Initial									
	Calibration	ו ר	Continuing Calibration						Preparation	
	Blank (ug/L) Blank (ug/L)						Blank			
Analyte		С	1 .	С	2	С	3	С	С	М
Mercury	0.092	В	0.087	В	0.087	В			0.085 B	

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

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

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

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

MB-34694

OPTIMA3_080204A

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

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

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

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L MB-34694

OI mg/kg/. OG/L

OPTIMA3_080204B

	Initial										
	Calibration	n	. Co	ļ	Preparation		ı				
	Blank (ug/I	.)	Blank (ug/L)						Blank		ı
Analyte		С	1	С	2	C	3	С		С	M
Potassium	33.6	U	33.6	U	33.6				33.560	Ü	
Sodium	15.7	В	14.1	U	14.1	U			14.090	U	

5A

EPA SAMPLE NO.

SPIKE SAMPLE RECOVERY

Lab Name: Mitkem Laboratories

Contract: 99163.04

FELF-EFFS

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MG0083

Matrix (soil/water): WATER

Level (low/med): MED

% Solids for Sample: 0.0

	Control							
	Limit	Spiked Sample	Sample		Spike			
Analyte	%R	Result (SSR) C	Result (SR)	С	Added (SA)	%R	Q	M
Aluminum	75-125	2094.2697	60.3666	В	2000.00	101.7		P
Antimony	75-125	95.9218	1.7800	U	100.00	95.9		P
Arsenic	75-125	45.0236	2.8500	U	40.00	112.6		P
Barium	75-125	2201.5047	33.5146	В	2000.00	108.4		Р
Beryllium	75-125	54.1118	0.0400	U	50.00	108.2		Р
Cadmium	75-125	4.3837 B	0.1600	U	5.00	87.7		Р
Chromium	75-125	213.7707	0.1500	U	200.00	106.9		P
Cobalt	75-125	532.2566	0.7314	В	500.00	106.3		P
Copper	75-125	266.6162	7.2870	В	250.00	103.7		P
Iron	75-125	1152.5314	122.9511		1000.00	103.0		P
Lead	75-125	21.0320	1.3900	U	20.00	105.2		P
Manganese	75-125	661.0923	113.5312		500.00	109.5		Р
Nickel	75-125	529.6310	3.3259	В	500.00	105.3		Р
Selenium	75-125	23.4036	11.5683	Ì	10.00	118.4		P
Silver	75-125	51.4217	6.6837	В	50.00	89.5		Р
Thallium	75-125	49.3128	2.0800	U	50.00	98.6		Р
Vanadium	75-125	526.9818	0.4300	U	500.00	105.4		Р
Zinc	75-125	529.0067	7.8634	В	500.00	104.2		Р

Comme	nts:

5A

EPA SAMPLE NO.

SPIKE SAMPLE RECOVERY

Lab Name: Mitkem Laboratories

Contract:

FELF-INFS 99163.04

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

SDG No.: MG0083

Matrix (soil/water):

WATER

Level (low/med): MED

% Solids for Sample: 0.0

	Control						
	Limit	Spiked Sample	Sample	Spike			
Analyte	%R	Result (SSR) C	Result (SR) C	Added (SA)	%R	Ω :	М
Mercury	75-125	0.6741	0.0860 B	1.00	58.8		CV

Commer	its:					
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	 	 	

6

EPA SAMPLE NO.

DUPLICATES

Lab Name: Mitkem Laboratories

Contract: 99163.04

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MG0083

Matrix (soil/water): WATER

FELF-EFFD

Level (low/med): MED

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

	Control							
Analyte	Limit	Sample (S)	С	Duplicate (D)	С	RPD.	Q	М
Aluminum		60.3666	В	62.9941	В	4.3		P
Antimony		1.7800	Ü	1.7800	Ū.			P
Arsenic		2.8500	U	2.8500	U			P
Barium		33.5146	В	32.0393	В	4.5		P
Beryllium		0.0400	U	0.0400	Ū			P
Cadmium		0.1600	U	0.1600	U			P
Calcium		60688.6937		61122.0295		0.7		P
Chromium		0.1500	Ü	0.1500	U			Р
Cobalt		0.7314	В	0.4367	В	50.5		P
Copper		7.2870	В	5.7959	В	22.8		P
Iron	100.0	122.9511		121.1615		1.5		P
Lead		1.3900	U	1.3900	U			Р
Magnesium	5000.0	21909.7020		21949.0324		0.2	-	P
Manganese		113.5312		113.7603		0.2		P
Nickel		3.3259	В	3.1207	В	6.4		P
Potassium		3291.8867	В	3332.2698	В	1.2		P
Selenium	5.0	11.5683		9.4133		20.5		P
Silver		6.6837	В	5.9785	В	11.1		P
Sodium	5000.0	16580.6707		16847.2359		1.6		Р
Thallium	†	2.0800	U	2.0800	U			Р
Vanadium		0.4300	U	0.4300	Ü			Р
Zinc		7.8634	В	7.1141	В	10		Р

6

EPA SAMPLE NO.

DUPLICATES

FELF-INFD

Lab Name: Mitkem Laboratories

Contract:

99163.04

Lab Code: MITKEM Case No.:

SAS No.:

Matrix (soil/water): WATER

SDG No.: MG0083

Level (low/med): MED

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

	Control							
Analyte	Limit	_	С	Duplicate (D)	С		Q	М
Mercury		0.0860	В	0.0863	В	0.3		CV

7

LABORATORY CONTROL SAMPLE

Lab Name:	Mitkem Lab	oratories	Contract: 99	9163.04	
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.:	MG0083
Solid LCS	Source:			LCS(D) ID:	
Aqueous Lo	CS Source:			LCS-34694	

*	Aque	eous (ug/I	٦)		Sol	id (mg/	kg)	
Analyte	True	Found	%R	True	Found	С	Limits	용R
Aluminum	9100.0	8411.23	92.4					
Antimony	455.0	439.90	96.7					
Arsenic	455.0	485.18	106.6					
Barium	9100.0	8832.88	97.1					
Beryllium	227.0	218.52	96.3					
Cadmium	227.0	239.72	105.6					
Calcium	22700.0	20754.69	91.4					
Chromium	910.0	873.06	95.9					
Cobalt	2270.0	2199.73	96.9					
Copper	1130.0	1052.36	93.1	`				
Iron	4550.0	4302.81	94.6					
Lead	455.0	483.40	106.2					
Magnesium	22700.0	21615.41	95.2					
Manganese	2270.0	2199.84	96.9					
Nickel	2270.0	2206.78	97.2					
Potassium	22700.0	21235.52	93.5					
Selenium	455.0	490.79	107.9					
Silver	1130.0	1037.53	91.8					
Sodium	22700.0	21461.35	94.5					
Thallium	455.0	473.86	104.1					
Vanadium	2270.0	2118.27	93.3	-				
Zinc	2270.0	2223.10	97.9	*				

EPA SAMPLE NO.

ICP SERIAL DILUTIONS

FELF-EFF

Lab Name: Mitkem Laboratories

Contract: 99163.04

SDG No.: MG0083

Lab Code: MITKEM Case No.:

SAS No.:

Matrix (soil/water): WATER

Level (low/med): MED

	Initial		Serial				
	Sample		Dilution		8		
Analyte	Result (I)	С	Result (S)	С	Difference	Q	М
Aluminum	60.37	В	84.65	В	40		Р
Antimony	1.78	U	8.90	U			P
Arsenic	2.85	U	14.25	U			P
Barium	33.51		35.97	В	7		Р
Beryllium	0.04		0.20				Р
Cadmium	0.16	U	0.80	U			P
Calcium	60688.69		59545.47		2		Р
Chromium	0.15	U	0.75	U			Р
Cobalt	0.73	В	0.73	В	0		Р
Copper	7.29	В	8.77	В	20		Р
Iron	122.95		135.06	В	10		P
Lead	1.39	U	6.95	U			Р
Magnesium	21909.70		22531.07	В	3		P
Manganese	113.53		118.17		4		Р
Nickel	3.33	В.	4.16	В	25		Р
Potassium	3291.89	В	3365.06	В	2		Р
Selenium	11.57		18.05	U	100		Р
Silver	6.68	В	2.93	В	56		Р
Sodium	16580.67		16873.63	В	2		Р
Thallium	2.08	U	10.40	U			Р
Vanadium	0.43	U	2.15	U			P
Zinc	7.86	В	6.83	В	13		Р



* Wet Chemistry *

Date: 04-Feb-08

Client: Earth Tech

Client Sample ID: FELF-EFF

Lab ID: G0083-01

Project: Fort Edward Landfill

Collection Date: 01/21/08 10:20

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS		SM2540_TD	S	
Total Dissolved Solids	320	10 mg/L	1 01/23/2008 16:30	34505
TOTAL SUSPENDED SOLIDS		SM2540_TS	S	
Total Suspended Solids	ND	10 mg/L	1 01/23/2008 16:30	34506
PHENOLS by 4-Aminoantipyrine Method		SM5530 W		
Phenolics, Total Recoverable	ND	0.20 mg/L	1 01/25/2008 9:30	34559

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

Fort Edward Landfill

Earth Tech G0083

Work Order: CLIENT:

Project:

Date: 04-Feb-08

ANALYTICAL QC SUMMARY REPORT

SM2540_TDS TestCode:

Sample ID: MB-34505	SampType: MBLK	TestCode: SM2540_TDS		Prep Date:	Prep Date: 1/23/2008	Run ID: MANUAL_080123A	1123A	
Client ID: MB-34505	Batch ID: 34505	Units: mg/L		Analysis Date: 1/23/2008		SeqNo: 755079		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit Qual	Qual
Total Dissolved Solids		ND 10						
Sample ID: LCS-34505	SampType: LCS	TestCode: SM2540_TDS		Prep Date: 1/23/2008		Run ID: MANUAL_080123A	123A	
Client ID: LCS-34505	Batch ID: 34505	Units: mg/L		Analysis Date: 1/23/2008		SeqNo: 755078		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	: RPD Ref Val	%RPD RPDLimit Qual	Qual
Total Dissolved Solids		717.0 10	742.0	0	96.6 80 120	0		
Sample ID: G0083-01CDUP	SampType: DUP	TestCode: SM2540_TDS		Prep Date:	Prep Date: 1/23/2008	Run ID: MANUAL_080123A	1123A	-
Client ID: FELF-EFF	Batch ID: 34505	Units: mg/L		Analysis Date:	1/23/2008	SeqNo: 755077		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit Qual	Quai
Total Dissolved Solids		322.0	0	0	0 0 0	315.0	2.2 20	

Qualifiers:

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

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Fort Edward Landfill

Earth Tech G0083

Work Order: CLIENT:

Project:

SM2540_TSS TestCode:

Sample ID: MB-34506	SampType: MBLK	TestCode: SM2540_TSS		Prep Date: 1/23/2008	1/23/2008	Run ID: MANUAL_080123B	23B	
Client ID: MB-34506	Batch ID: 34506	Units: mg/L		Analysis Date:	1/23/2008	SeqNo: 755084		
Analyte		Result PQL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit		RPD Ref Val %RPD RPDLimit Qual	
Total Suspended Solids		ND 10] [
Sample ID: LCS-34506	SampType: LCS	TestCode: SM2540_TSS		Prep Date: 1/23/2008	1/23/2008	Run ID: MANUAL_080123B	123B	ı —
Client ID: LCS-34506	Batch ID: 34506	Units: mg/L		Analysis Date:	1/23/2008	SeqNo: 755083		
Analyte		Result PQL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit Qual	
Total Suspended Solids		57.00 10	56.80	0	100 80 120	0 0		j 11
Sample ID: G0083-01CDUP	SampType: DUP	TestCode: SM2540_TSS		Prep Date: 1/23/2008	1/23/2008	Run ID: MANUAL_080123B	123B	
Client ID: FELF-EFF	Batch ID: 34506	Units: mg/L		Analysis Date: 1/23/2008	1/23/2008	SeqNo: 755081		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit Qual	
Total Suspended Solids		ND 10	0	0	0 0	0	0 20	1

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit

Qualifiers:

B - Analyte detected in the associated Method Blank

ANALYTICAL QC SUMMARY REPORT

TestCode: SM5530_W

Fort Edward Landfill

Earth Tech G0083

Work Order: CLIENT:

Project:

		The second secon				
Sample ID: MB-34559	SampType: MBLK	TestCode: SM5530_W		Prep Date: 1/25/2008	1/25/2008	Run ID: SPEC2_080125B
Client ID: MB-34559	Batch ID: 34559	Units: mg/L		Analysis Date:	1/25/2008	SeqNo: 755114
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	it RPD Ref Val %RPD RPDLimit Qual
Phenolics, Total Recoverable		ND 0.20				
Sample ID: LCS-34559	SampType: LCS	TestCode: SM5530_W		Prep Date:	1/25/2008	Run ID: SPEC2_080125B
Client ID: LCS-34559	Batch ID: 34559	Units: mg/L		Analysis Date:	1/25/2008	SeqNo: 755113
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	it RPD Ref Val %RPD RPDLimit Qual
Phenolics, Total Recoverable		0.2680 0.20	0.3000	0 .	89.3 80 120	0
Sample ID: G0083-01DMS	SampType: MS	TestCode: SM5530_W		Prep Date: 1/25/2008	1/25/2008	Run ID: SPEC2_080125B
Client ID: FELF-EFF	Batch ID: 34559	Units: mg/L		Analysis Date:	1/25/2008	SeqNo: 755112
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	it RPD Ref Val %RPD RPDLimit Qual
Phenolics, Total Recoverable		0.9380 0.20	1.000	0	93.8 75 125	0
Sample ID: G0083-01DDUP	SampType: DUP	TestCode: SM5530_W		Prep Date: 1/25/2008	1/25/2008	Run ID: SPEC2_080125B
Client ID: FELF-EFF	Batch ID: 34559	Units: mg/L		Analysis Date:	1/25/2008	SeqNo: 755111
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	it RPD Ref Val %RPD RPDLimit Qual
Phenolics, Total Recoverable		ND 0.20	0	0	0 0 0	0 0 20

Qualifiers:

Last Page of Data Report



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

March 6, 2008

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

RE: Client Project: Fort Edward Landfill, reference number: 99163.04

Lab Project #: G0212

Dear Mr. Choiniere:

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

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

We appreciate your business.

Sincerely,

Chilley No. Ng Shirley S. Ng Project Manager

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

Project Name: Fort Edward Landfill

SDG: <u>G0212</u>

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

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

Project Name: Fort Edward Landfill

SDG: G0212

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLM4.2_VOA_W	17,100112	000000	1_ 2,222	15 ACT HOUSE	
G0212-01A	AQ	2/18/2008	2/19/2008	NA	2/26/2008
G0212-02A	AQ	2/18/2008	2/19/2008	NA	2/26/2008
G0212-03A	AQ	2/18/2008	2/19/2008	NA	2/26/2008

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

Project Name: Fort Edward Landfill

SDG	G0212

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

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

Project Name: Fort Edward Landfill

SDG: <u>G0212</u>

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

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

Project Name: Fort Edward Landfill

SDG: <u>G0212</u>

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

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

Project Name: Fort Edward Landfill

SDG: <u>G0212</u>

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

Page 8

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MG0212

Mitkem Work Order ID: G0212

March 6, 2008

Prepared For:

Earth Tech

40 British American Boulevard

Latham, NY 12110

Attn: Mr. Stephen Choiniere

Prepared By:

Mitkem Laboratories

175 Metro Center Boulevard

Warwick, RI 02886 (401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Fort Edward Landfill project. Under this deliverable, analysis results are presented for three aqueous samples that were received on February 19, 2008. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID, along with.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category A deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. OLM 4.3 Volatile Analysis:

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

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

Samples were preserved with hydrochloric acid with pH<2.

Surrogate recovery: recoveries were within the QC limits.

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

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

3. PCB Analysis:

Surrogate recovery: recoveries were within the QC limits.

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

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

4. ILM 4.1 Metals Analysis:

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

Samples were preserved with nitric acid with pH<2.

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

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

5. Wet Chemistry Analysis:

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

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

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

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

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

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

Shirley Ng

Project Manager

03/06/08

Mitkem	Mitkem Laboratories	IS	VFeb/0	19/Feb/08 15:47	Work	WorkOrder: G0212
Client ID: Project: Location: Comments:	Client ID: EARTH_NY Project: Fort Edward Landfill Location: Comments: under contract D004445-18-19-20-21-MIT-01	8-19-20-21-MIT-01	Case: SDG: PO:	ase: DG: PO: 99163.04	Repo	Report Level: ASP-A EDD: HC Due: 03/11/08 Fax Due: 03/04/08
Sample ID	HS Client Sample ID	Collection Date Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage
G0212-01A	FELF-EFF	02/18/2008 10:35 02/19/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	□ □ NoA
G0212-01B	PELF-EFF	02/18/2008 10:35 02/19/2008	Aqueous	SM5530_W		
G0212-01C	FELF-EFF	02/18/2008 10:35 02/19/2008	Aqueous	ILM4.1_HG_W	ILM	M4
				ILM4.1_ICP_W	ILM	
G0212-01D	FELF-EFF	02/18/2008 10:35 02/19/2008	Aqueous	SM2540_TDS SM2540_TSS		
G0212-01E	FELF-EFF	02/18/2008 10:35 02/19/2008	Aqueous	SW8082_W	extract 2L to 1mL	⊠ □
G0212-02A	FELF-INF	02/18/2008 10:55 02/19/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
G0212-02B	FELF-INF	02/18/2008 10:55 02/19/2008	Aqueous	ILM4.1_HG_W ILM4.1_ICP_W	ILM	M4
G0212-02C	FELF-INF	02/18/2008 10:55 02/19/2008	Aqueous	SM2540_TDS SM2540_TSS		
Client Rep:	Shirley S Ng				Page	9 1 of 2

Fax Due: 03/04/08

Comments: under contract D004445-18-19-20-21-MIT-01

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

Sample Transmittal Documentation

Earth TechA Tyco International Ltd. Company

40 British American Blvd. P 518. Latham, NY F 518.

7d. P 518.951.2200 VY F 518.951.2300 Vwww.earthtech.com

CHAIN-OF-CUSTODY RECORD

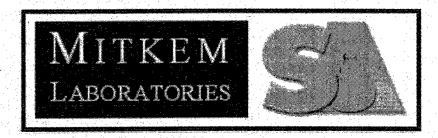
Page __of __

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Steve Choiniere	276					X = 10	א א				
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CLIENT / PROJECT NAME				0	LIENT P	CLIENT PROJECT #				REQUESTED ANALYSES	
Fort Edward	d Land FILL				7911	99163.02					
SAMPLE	\$ S	аянэ	ЯЭТАМ	PIOS	ОТНЕВ		SE CONTAINERS	Tour VI	SQL SQL		COMMENTS
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	WHITE: LABORATORY COPY	ABOF	ATOR	Y COP	¥	YELLOW:	YELLOW: REPORT COPY	PY	PINK: CLIENT'S COPY	COPY	

MITKEM LABORATORIES

Sample Condition Form

Received By: VEG	Reviewed By:	ARN		Date:	19/08	MITKE	M Worko	rder #: 😉	0212
Client Project: Fort Ed	Landfill			Client:	Earth	า			Soil Headspace
					Preserv	ation (p		VOA	or Air Bubbles
		Lab Samp	ole ID	HNO ₃		HCI	NaOH	Matrix	<u>≥</u> 1/4"
1) Cooler Sealed Yes N	lo	G0212	01	L 2	79			H	
_		G0312	02	< 2				Н	
2) Custody Seal(s)	Present / Absent	6-0212	63					Н	
(Coolers / Bottles					<u> </u>		·	
	Intact// Broken								/
3) Custody Seal Number(s)	AIN								
,									
							·	,	
4) Chain of Custody	Present Absent							/	
4) Chain-of-Custody	Plesent Absent			<u> </u>			/		
5) 0 1 7									
5) Cooler Temperature	<u>4'C</u>					ļ	/		
Coolant Condition	ICE						/		
						 			
6) Airbill(s)	Present / Absent					☆ /_			
Airbill Number(s)	FELEX				,	X			
	8641 94709554				>	1			
					15/				
				,	9				
7) Sample Bottles (Intact/Broken/Leaking								
8) Date Received	2/19/08	.,-		1					
0) 2410 (1000.104	- 4/11/00	.,,				1		<u> </u>	
9) Time Received	8:40					VOA	Matrix Ke	ν. 	
i illie Neceived	<u> </u>	/	1	1			Jnpreserv	•	A = Air
Dunantina Nama/Lat Na		/					Jnpreserv		H = HCl
Preservative Name/Lot No:						i	•	ou Aqu.	
· · · · · · · · · · · · · · · · · · ·		-/				M= Me	eOH aHSO₄		E = Encore F = Freeze
		/				_ INC	11004		. 110020
	,	<u> </u>	L	 	}				
See Sample Cond	tion Notification/Correc	tive Action Fo	orm y	es (no)					
'						Rad O	K yes/ n	0	



* Volatiles *

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION	Contract:FELF-EFF
Lab Code: MITKEM Case No.:	_ SAS No.: SDG No.: MG0212
Matrix: (soil/water) WATER	Lab Sample ID: G0212-01A
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V5I4954
Level: (low/med) LOW	Date Received: 02/19/08
% Moisture: not dec	Date Analyzed: 02/26/08
GC Column: $\underline{DB-624}$ ID: $\underline{0.25}$ (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)

CAS NO.

COMPOUND

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

1			
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	Ü
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	 U
75-69-4	Trichlorofluoromethane	10	 []
75-35-4	1,1-Dichloroethene	10	 []
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	 11
67-64-1	Acetone	10	 Ŭ
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	 U
75-09-2	Methylene Chloride	10	1 11
156-60-5	trans-1,2-Dichloroethene	10	1 11
1634-04-4	Methyl tert-Butyl Ether	10	 U
75-34-3	1,1-Dichloroethane	10	+ 17
156-59-2	cis-1,2-Dichloroethene	10	 U
78-93-3	2-Butanone	10	1 11
67-66-3	Chloroform	10	1 11
71-55-6	1,1,1-Trichloroethane	10	1 11
110-82-7	Cyclohexane	10	1 0
56-23-5	Carbon Tetrachloride	10	T U
71-43-2	Benzene	10	Ü
107-06-2	1,2-Dichloroethane	10	TI TI
1	<u> </u>		

1B VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: M	ITKEM CORPORATION	Contract:	FELF-EI	FF
Lab Code: M	ITKEM Case No.:	SAS No.:	SDG No.: M	G0212
Matrix: (so	il/water) <u>WATER</u>	Lab Sample ID:	G0212-01A	_
Sample wt/v	ol: <u>5.000</u> (g/mL) <u>ML</u>	_ Lab File ID: V	514954	
Level: (lo	w/med) <u>LOW</u>	Date Received:	02/19/08	
% Moisture:	not dec.	Date Analyzed:	02/26/08	
GC Column: I	DB-624 ID: <u>0.25</u> (mm)	Dilution Factor	: 1.0	·
Soil Extract	Volume:(uL)	Soil Aliquot Vo	lume:	(uL)
CAS NO.	COMPOUND	CONCENTRAT (ug/L or u	ION UNITS: g/Kg) <u>UG/L</u>	Q
79-01-6	Trichloroethene		10	Ū
108-87-2	Methylcyclohexane		10	Ū
78-87-5	1,2-Dichloropropane		10	Ū
75-27-4	Bromodichloromethane		10	Ū
10061-01-5	cis-1,3-Dichloropropene		10	Ū
108-10-1	4-Methyl-2-Pentanone		10	U
108-88-3	Toluene		10_	Ū
10061-02-6			10	U
79-00-5	1,1,2-Trichloroethane		10	Ū
127-18-4	Tetrachloroethene		10	U
591-78-6	2-Hexanone Dibromochloromethane		10	U
	1,2-Dibromoethane		10	U
	Chlorobenzene	-	10 10	Ŭ Ŭ
	Ethylbenzene		10	_ U
			TO 1	U

Xylene (Total)

Isopropylbenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,1,2,2-Tetrachloroethane

1,2-Dibromo-3-chloropropane

Styrene

Bromoform

1330-20-7

100-42-5

75-25-2

98-82-8

79-34-5

541-73-1

106-46-7

95-50-1

96-12-8

120-82-1

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION	Contract: FELF-INF
Lab Code: MITKEM Case No.:	_ SAS No.: SDG No.: MG0212
Matrix: (soil/water) WATER	Lab Sample ID: G0212-02A
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: <u>V5I4955</u>
Level: (low/med) <u>LOW</u>	Date Received: 02/19/08
% Moisture: not dec.	Date Analyzed: 02/26/08
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)

CAS NO. COMPOUND

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

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: \underline{M}	ITKEM CORPORATION	Contract:	FELF-I	.NF' .	
Lab Code: M	ITKEM Case No.;	SAS No.:	SDG No.: M	G0212	
Matrix: (so	il/water) <u>WATER</u>	Lab Sample ID	: <u>G0212-02A</u>		
Sample wt/ve	ol: <u>5.000</u> (g/mL) <u>ML</u>	Lab File ID:	V5I4955	<u> </u>	
Level: (lo	w/med) <u>LOW</u>	Date Received	: 02/19/08		
% Moisture:	not dec	Date Analyzed	: 02/26/08		
GC Column: 1	DB-624 ID: <u>0.25</u> (mm)	Dilution Facto	or: <u>1.0</u>		
Soil Extract	t Volume:(uL)	Soil Aliquot	Volume:	(uI	ㄴ)
CAS NO.	COMPOUND		ATION UNITS: ug/Kg) <u>UG/L</u>		
79-01-6	Trichloroethene		10	Ū	
108-87-2	Methylcyclohexane		10	Ü	
78-87-5	1 2-Dichloropropage		10	Ū	_
75-27-4	Bromodichloromethane		10	U	_
10061-01-5	cis-1,3-Dichloropropene		10	 0	—
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	Ü	—
591-78-6	2-Hexanone		10	 U —	
124-48-1	Dibromochloromethane		10	T U	_
106-93-4	1,2-Dibromoethane		10	Ū	_
108-90-7	Chlorobenzene		10	Ū	_
100-41-4	Ethylbenzene		10	Ū	—
1330-20-7	Xylene (Total)		10	Ū	
100-42-5	Styrene		10	Ū	—
75-25-2	Bromoform		10	Ū	_
98-82-8	Isopropylbenzene		10	Ū	—.
79-34-5	1,1,2,2-Tetrachloroethane		10	Ū	_
541-73-1	1,3-Dichlorobenzene		10	ĪĪ	—

1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene

106-46-7

95-50-1

96-12-8

120-82-1

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION (Contract: TRIP BLANK
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0212
Matrix: (soil/water) WATER	Lab Sample ID: G0212-03A
Sample wt/vol: $5.000 \text{ (g/mL)} \underline{\text{ML}}$	Lab File ID: <u>V5I4956</u>
Level: (low/med) <u>LOW</u>	Date Received: 02/19/08
% Moisture: not dec.	Date Analyzed: 02/26/08
GC Column: $\underline{DB-624}$ ID: $\underline{0.25}$ (mm)	Dilution Factor: 1.0
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
75-71-8 Dichlorodifluoromethane	10 U
74-87-3 Chloromethane	10 11

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

1B VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: M	ITKEM CORPORATION	Contract.	TRIP BLA	ANK
<u> </u>	TITULE COLL CITE I I COL	Concract:	l <u></u>	I
Lab Code: M	ITKEM Case No.:	SAS No.:	SDG No.: M	G0212
Matrix: (so	il/water) <u>WATER</u>	Lab Sample ID: 0	G0212-03A	
Sample wt/vo	ol: <u>5.000</u> (g/mL) <u>ML</u>			
	w/med) LOW	Date Received:	· · · · · · · · · · · · · · · · · · ·	
		Date Received.	32/13/00	
% Moisture: not dec		Date Analyzed: (02/26/08	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)		Dilution Factor	: 1.0	
Soil Extract	Volume:(uL)	Soil Aliquot Vol	Lume:	(uL)
	•			
CAS NO.	COMPOUND	CONCENTRATI (ug/L or ug		Q
79-01-6	Trichloroethene		10	TT
108-87-2	Methylcyclohexane		10	Ü
78-87 - 5			10	IJ
75-27-4	Bromodichloromethane		10	<u> </u>
10061-01-5	cis-1,3-Dichloropropene		10	U U
			10	U
108-88-3	Toluene		10	- U
	trans-1,3-Dichloropropene	2	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	Ū
108-90-7	Chlorobenzene	,	10	
100-41-4			10	-
1330-20-7	Xylene (Total)		10	Ū
100-42-5	Styrene			

75-25-2

98-82-8

79-34-5

541-73-1

106-46-7

95-50-1 96-12-8

120-82-1

Bromoform

Isopropylbenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

1,1,2,2-Tetrachloroethane

1,2-Dibromo-3-chloropropane 1,2,4-Trichlorobenzene 10

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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		MULLIOLD DILLA)		
Lab Name: M	ITKEM CORPORATION	Contract:		V5FLC	cs
Lab Code: M	ITKEM Case No.:	_ SAS No.:	SDG	No.: M	IG0212
Matrix: (so	il/water) <u>WATER</u>	Lab S	ample ID: <u>LCS</u> -	35054	
Sample wt/vo	ol: <u>5.000</u> (g/mL) <u>ML</u>	_ Lab F	ile ID: <u>V5149</u>	53	
Level: (lo	w/med) <u>LOW</u>	Date 1	Received:		
% Moisture:	not dec.	Date A	Analyzed: <u>02/2</u>	6/08	
GC Column: I	DB-624 ID: <u>0.25</u> (mm)	Dilut	ion Factor: 1.	<u>0</u>	
Soil Extract	Volume:(uL)	Soil A	Aliquot Volume	:	(uL)
CAS NO.			CONCENTRATION (ug/L or ug/Kg		
75-71-8	Dichlorodifluoromethane			10	U
<u>74</u> -87 - 3	Chloromethane	 		10	Ū
75-01-4	Vinyl Chloride			10	Ū
74-83-9	Bromomethane			10	Ū
75-00-3	Chloroethane			10	Ū
75-69-4	Trichlorofluoromethane			10	Ū
75-35-4	1,1-Dichloroethene			55	
76-13-1	1,1,2-Trichloro-1,2,2-tri	fluoroethane		10	U
67-64-1	Acetone			10	U
75-15-0	Carbon Disulfide			10	Ū
79-20-9				10	Ū
/5-09-2	Methylene Chloride			10	Ū
156-60-5	trans-1,2-Dichloroethene			10	ĪĪ

1634-04-4

75-34-3

156-59-2

78-93-3

67-66-3

71-55-6

110-82-7

56-23-5

71-43-2

107-06-2

Methyl tert-Butyl Ether

1,1-Dichloroethane cis-1,2-Dichloroethene

Chloroform 1,1,1-Trichloroethane

Carbon Tetrachloride

1,2-Dichloroethane

2-Butanone

Cyclohexane

Benzene

1B VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: M	ITKEM CORPORATION	Contract:	V5FLC:	S	
Lab Code: MITKEM Case No.:			SDG No.: M	G0212	
Matrix: (soil/water) WATER		Lab Sample ID: LCS-35054			
Sample wt/vo	ol: <u>5.000</u> (g/mL) <u>ML</u>				
Level: (lo	w/med) <u>LOW</u>	Date Received:			
% Moisture:	not dec.	Date Analyzed:			
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)					
	t Volume:(uL)	Soil Aliquot Vo		(uL)	
CAS NO.	COMPOUND		TION UNITS: 1g/Kg) <u>UG/L</u>	Q	
79-01-6	Trichloroethene		54		
108-87-2	Methylcyclohexane		10	ŢŢ	
78-87-5	1,2-Dichloropropane		10		
75-27-4	Bromodichloromethane		10	- U	
10061-01-5	cis-1,3-Dichloropropene		10	U	
108-10-1	4-Methyl-2-Pentanone		10	TJ T	
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	Ū	
124-48-1	Dibromochloromethane		10	Ū	
106-93-4			10	U	
108-90-7			56		
	Ethylbenzene		10	U	
1330-20-7	Xylene (Total)		10	Ū	
100-42-5	Styrene			TT	

75-25-2

98-82-8

79-34-5

541-73-1

106-46-7

95-50-1

96-12-8

120-82-1

Bromoform

Isopropylbenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

1,1,2,2-Tetrachloroethane 1,3-Dichlorobenzene

1,2-Dibromo-3-chloropropane 1,2,4-Trichlorobenzene 10

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2A WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab	Name:	MITKEM	CORPORATION		Contract:	 	
Lab	Code:	MITKEM	Case No.:		SAS No.:	 SDG No.:	MG0212

	EPA	SMC1	SMC2	SMC3	OTHER	TOT
	SAMPLE NO.	(TOL)#	(BFB)#	(DCE)#		OUT
0.1	====================================	========	========	=======	=========	========
01	VBLK5F	101	106	89		0
02	V5FLCS	99	105	90		0
03	FELF-EFF	101	105	88		0
04	FELF-INF	101	110	91		0
05 06	TRIP BLANK VHBLK5F	90	106	88		0
06	VHBTY21	99	108	90		0
08						
09						
10						
11		-			-	
12					···-	
13						
14	-					
15		-				
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QC LIMITS (88-110)

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

Column to be used to flag recovery values

* Values outside of contract required QC limits

page 1 of 1

FORM II VOA-1

OLM04.3

FORM 3 WATER VOLATILE LAB CONTROL SAMPLE

Lab Name:	MITKEM CO	RPORATION	Contract: _			
Lab Code:	MITKEM	Case No.:	SAS No.: _	<u>.</u>	SDG No.:	MG0212
Matrix Sp	ike - Samj	ple No.:	V5FLCS			

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50		= ==== ===============================	110	===== 61-145
Benzene	50		54	108	76-127
Trichloroethene	50		54	108	71-120
Toluene	50		53	106	76-125
Chlorobenzene	50		56	112	75-130

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:			-	•
	 · · · · · · · · · · · · · · · · · · ·			

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

^{*} Values outside of QC limits

4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5F	
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Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0212
Lab File ID: V5I4952	Lab Sample ID: MB-35054
Date Analyzed: 02/26/08	Time Analyzed: 0950
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Heated Purge: (Y/N) N
Instrument ID: V5	

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

	EPA	TAD	T 7 7	T
		LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	========	=======================================	==========	========
01	V5FLCS	LCS-35054	V5I4953	1017
02	FELF-EFF	G0212-01A	V5I4954	1044
03	FELF-INF	G0212-02A	V5I4955	1111
04	TRIP BLANK	G0212-03A	V5I4956	1137
05	VHBLK5F	VHBLK5F	V5I4961	1352
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page 1 of 1

FORM IV VOA

OLM04.3

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: M	ITKEM CORPORATION	Contract:	· · · · · · · · · · · · · · · · · · ·	VBLK51	?
Lab Code: M	ITKEM Case No.:	SAS No.:		SDG No.: MC	30212
Matrix: (so	il/water) <u>WATER</u>	Lab S	ample ID:	MB-35054	
Sample wt/vo	ol: <u>5.000</u> (g/mL) <u>ML</u>	_ Lab F	ile ID: \underline{V}	514952	
Level: (lov	w/med) <u>LOW</u>	Date	Received:		
% Moisture:	not dec	Date 1	Analyzed:	02/26/08	
GC Column: I	DB-624 ID: <u>0.25</u> (mm)	Dilut	ion Factor	: 1.0	
Soil Extract	Volume:(uL)	Soil	Aliquot Vo	lume:	(uL)
CAS NO.	COMPOUND			ION UNITS: g/Kg) <u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane		T · · · · · ·	10	
	Chloromethane			10	U
75-01-4	Vinyl Chloride			10	Ū
74-83-9	Bromomethane			10	Ū
75-00-3	Chloroethane			10	Ū
75-69-4	Trichlorofluoromethane	· · · · · · · · · · · · · · · · · · ·		10	U
75-35-4	1,1-Dichloroethene			10	Ū
76-13-1	1,1,2-Trichloro-1,2,2-tr	lfluoroethane		10	Ū
67-64-1	Acetone			10	Ū
75-15-0	Carbon Disulfide			10	Ŭ
79-20-9	Methyl Acetate			10	U
75-09-2	Methylene Chloride			10	Ū
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 71-55-6	Chloroform 1,1,1-Trichloroethane		-	10	U
110-82-7	Cyclohexane			10	U
56-23-5	Carbon Tetrachloride			10	Ū
30-43-3	Carbon lectacinonide	·		10	U

56-23-5 71-43-2 107-06-2

Benzene 1,2-Dichloroethane

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1B VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: M	ITKEM CORPORATION	Contract:		VBLK5	F
	ITKEM Case No.:			SDG No.: M	G0212
	il/water) <u>WATER</u>			MB-35054	
Sample wt/v	ol: <u>5.000</u> (g/mL) <u>ML</u>	_ Lab F	ile ID: <u>V</u>	514952	
Level: (lo	w/med) <u>LOW</u>	Date I	Received:		
% Moisture:	not dec	Date A	Analyzed:	02/26/08	
GC Column: 1	DB-624 ID: <u>0.25</u> (mm)	Dilut	ion Factor	: 1.0	
Soil Extract	t Volume:(uL)	Soil A	Aliquot Vo	lume:	(uL)
CAS NO.		(CONCENTRATI (ug/L or ug	ION UNITS: g/Kg) <u>UG/L</u>	Q
79-01-6				10	Ū
108-87-2				10	Ū
78-87-5	1,2-Dichloropropane			10	<u> </u>
75-27-4	Bromodichloromethane			10	Ū
10061-01-5	cis-1,3-Dichloropropene			10	TI
108-10-1	4-Methyl-2-Pentanone			10	Ū
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	
591-78-6	2-Hexanone	· · · · · · · · · · · · · · · · · · ·		10	Ū
124-48-1	Dibromochloromethane			10	
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)			3	- J
100-42-5	Styrene		-,	10	- U
75-25-2	Bromoform			10	Ü
98-82-8	Isopropylbenzene			10	U
79-34-5	1,1,2,2-Tetrachloroethane				Ü
541-73-1	1,3-Dichlorobenzene	 		10 10	U
106-46-7	1,4-Dichlorobenzene			10	Ū
95-50-1	1,2-Dichlorobenzene			10	<u>U</u>
96-12-8	1,2-Dibromo-3-chloropropa	ne		10	U
120-82-1	1,2,4-Trichlorobenzene			10	<u>U</u>
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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Tab Name MINIZINA	CORDORAMITON	Charles at		VHBLK!	5F	
Lab Name: MITKEM	CORPORATION	Contract:				_1
Lab Code: MITKEM	Case No.:	SAS	No.:	SDG No.: M	G021 <u>2</u>	
Matrix: (soil/wat	ter) <u>WATER</u>	L	ab Sample ID: \(\)	/HBLK5F		
Sample wt/vol:	<u>5.000</u> (g/mL) <u>ML</u>	_ · L	ab File ID: V_{-}^{0}	514961	<u> </u>	
Level: (low/med)	LOW	D	ate Received: _			
% Moisture: not o	dec	D	ate Analyzed: (02/26/08		
GC Column: DB-624	ID: <u>0.25</u> (mm)	D	ilution Factor:	: <u>1.0</u>		
Soil Extract Volu	ume:(uL)	S	oil Aliquot Vol	Lume:	(1	uL)
CAS NO. COME	POUND		CONCENTRATI (ug/L or ug			
75-71-8 Dich	nlorodifluoromethane			10	Ū	
74-87-3 Chlc	promethane			10	Ū	—
75-01-4 Viny				10	u	
74-83-9 Brom	nomethane	_		10	Ü	—
75-00-3 Chlc	proethane			10	Ü	
75-69-4 Tric	chlorofluoromethane			10	Ū	
75-35-4 1,1-	Dichloroethene	-		10	Ū	
76-13-1 1,1,	2-Trichloro-1,2,2-tri	fluoroeth	ane	10	Ū	
	one			10	Ū	
	on Disulfide		·	10	Ū	
	nyl Acetate			10	Ū	
	ylene Chloride			10	Ū	
	ns-1,2-Dichloroethene			10	ŭ	
	yl tert-Butyl Ether			10	Ū	
	Dichloroethane			10	Ū	
	1,2-Dichloroethene			10	Ū	
	itanone	·		10	Ū	
	proform			10	Ū	
	1-Trichloroethane			10	Ū	
110-82-7 Cycl				10	Ū	
	oon Tetrachloride		<u> </u>	10	U	
/1-43-/ RANZ	rene		1	10	TT	

107-06-2

1,2-Dichloroethane

1B VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

			VHBLK	58
Lab Name: M	ITKEM CORPORATION	Contract:		
Lab Code: M	ITKEM Case No.:	SAS No.:	SDG No.: M	G0212
Matrix: (so	il/water) <u>WATER</u>	Lab Sample I	D: VHBLK5F	
Sample wt/vo	ol: <u>5.000</u> (g/mL) <u>ML</u>			.
Level: (lo	w/med) <u>LOW</u>	Date Receive	·	
% Moisture:	not dec.	Date Analyze		
GC Column: I	DB-624 ID: <u>0.25</u> (mm)			
Soil Extract	Volume:(uL)		Volume:	(uL)
CAS NO.	COMPOUND		RATION UNITS: r ug/Kg) <u>UG/L</u>	, Q
79-01-6			10	Ū
108-87-2	Methylcyclohexane		10	Ū
78-87-5	1,2-Dichloropropane		10	Ū
75-27-4	Bromodichloromethane		10	Ū
10061-01-5	cis-1,3-Dichloropropene		10	Ū
108-10-1	4-Methyl-2-Pentanone		10	<u> </u>
108-88-3	Toluene		10	Ū
10061-02-6	trans-1,3-Dichloropropene		10	Ū
79-00-5	1,1,2-Trichloroethane		10	Ū
127-18-4	Tetrachloroethene		10	Ū
591-78-6	2-Hexanone		10	U
124-48-1	Dibromochloromethane		10	Ū
106-93-4	1,2-Dibromoethane		10	Ū
108-90-7	Chlorobenzene		10	Ū
100-41-4	Ethylbenzene		10	Ū
1330-20-7	Xylene (Total)	·	10	U
100-42-5	Styrene		10	Ū
75-25-2 98-82-8	Bromoform		10	U
<u>98-8∠-8</u>	Isopropylbenzene		10	Ū
	1,1,2,2-Tetrachloroethane		10	U
541-73-1 106-46-7	1,3-Dichlorobenzene		10	U
95-50-1	1,4-Dichlorobenzene		10	U
7 7 = 1 TO		l l	7 1	TT

1,2-Dibromo-3-chloropropane 1,2,4-Trichlorobenzene

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8A VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0212
EPA Sample No. (VSTD050##): VSTD0505F	Date Analyzed: 02/26/08
Lab File ID (Standard): V5I4951	Time Analyzed: 0911
Instrument ID: V5	Heated Purge: (Y/N) N
GC Column: DR-624 TD:0 25 (mm)	

		IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	========	========	======	=======	======	========	======
	12 HOUR STD	118147	4.92	614571	5.90	499433	8.99
	UPPER LIMIT	236294	5.42	1229142	6.40	998866	9.49
	LOWER LIMIT	59074	4.42	307286	5.40	249717	8.49
	=========	========	======	=======	======	========	======
	EPA SAMPLE						
	========	=======	======	========	======	========	======
01	VBLK5F	135770	4.92	667923	5.92	533799	8.99
02	V5FLCS	123488	4.92	613845	5.92	492133	8.99
03	FELF-EFF	140291	4.92	676939	5.91	554624	8.99
04	FELF-INF	122667	4.92	601342	5.91	478073	9.00
05	TRIP BLANK	128617	4.92	608915	5.91	502546	8.99
06	VHBLK5F	236132	4.92	1127270	5.91	907625	9.00
07				<u> </u>			
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22							

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

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

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

* Values outside of QC limits



* PCB Organics *

FELF-EFF

Lab Name: MITKEM LABORATORIES Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212 Matrix: (soil/water) WATER Lab Sample ID: G0212-01E Sample wt/vol: 2000 (q/ml) ML Lab File ID: E1G4894F

Contract:

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

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

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

Injection Volume: 1.0(uL) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

0.050 U 12674-11-2----Aroclor-1016 11104-28-2----Aroclor-1221 0.050 U 11141-16-5-----Aroclor-1232 0.050 U 53469-21-9-----Aroclor-1242 0.050 U 12672-29-6-----Aroclor-1248 0.050 U 11097-69-1-----Aroclor-1254 0.050 U 11096-82-5-----Aroclor-1260 0.050 U

FORM 1 PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLK1Q Lab Name: MITKEM LABORATORIES Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212 Lab Sample ID: MB-35000 Matrix: (soil/water) WATER Sample wt/vol: 2000 (g/ml) ML Lab File ID: E1G4891F Date Received: ____ % Moisture: decanted: (Y/N)___ Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/21/08 Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/24/08 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y CONCENTRATION UNITS: COMPOUND (ug/L or ug/Kg) UG/L CAS NO. Q 12674-11-2----Aroclor-1016 0.050 U 11104-28-2----Aroclor-1221 0.050 U 11141-16-5-----Aroclor-1232 0.050 U 53469-21-9----Aroclor-1242 0.050 U 12672-29-6-----Aroclor-1248 0.050 U 11097-69-1-----Aroclor-1254 0.050 U 11096-82-5-----Aroclor-1260 0.050 U

FORM I PCB

FORM 1 PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A1QLCS

Lab Name: MITKEM LABORATORIES Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG0212 Lab Sample ID: LCS-35000 Matrix: (soil/water) WATER Sample wt/vol: 2000 (g/ml) ML Lab File ID: E1G4892F % Moisture: ____ decanted: (Y/N)___ Date Received: Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/21/08 Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/24/08 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

	12674-11-2Aroclor-1016 11104-28-2Aroclor-1221 11141-16-5Aroclor-1232 53469-21-9Aroclor-1242 12672-29-6Aroclor-1248 11097-69-1Aroclor-1254 11096-82-5Aroclor-1260	0.060 0.050 0.050 0.050 0.050 0.050 0.11	ם ט ט
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FORM I PCB

FORM 1 PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A1QLCSD Lab Name: MITKEM LABORATORIES Contract: SAS No.: Lab Code: MITKEM Case No.: SDG No.: MG0212 Lab Sample ID: LCSD-35000 Matrix: (soil/water) WATER Sample wt/vol: 2000 (q/ml) ML Lab File ID: E1G4893F % Moisture: ____ decanted: (Y/N)___ Date Received: _____ Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/21/08 Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/24/08 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) Y CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L 0 12674-11-2----Aroclor-1016 0.078 11104-28-2----Aroclor-1221 0.050 T 11141-16-5----Aroclor-1232 0.050 U 53469-21-9-----Aroclor-1242 0.050 U 12672-29-6-----Aroclor-1248 0.050 U 11097-69-1-----Aroclor-1254 0.050 U 11096-82-5-----Aroclor-1260 0.13

FORM I PCB

FORM 2 WATER PCB SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MG0212

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

	CLIENT SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT
	SAMPLE NO.	*KEC #	4 7578	**************************************	**************************************	(±) ======	(2) =====	===
01	ABLK1Q	35	33	47	53			0
02	AlQLCS	27	28	49	56			o l
03	A1QLCSD	39	40	59	67			Ö
04	FELF-EFF	30	30	36	40			0
05								
06								
07								i1
08 09		<u> </u>					·	
10								
11								
12								
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17 18								
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22 23								
23								
24								
25								
26 27								l
28								
29								
30						. ———		
		·			'		· ———	· ——

ADVISORY QC LIMITS

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

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

FORM 3 WATER PCB LAB CONTROL SAMPLE

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MG0212

Matrix Spike - Sample No.: AlQLCS

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

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

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:			
	 		

ABLK1Q

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MG0212

Lab Sample ID: MB-35000

Lab File ID: E1G4891F

Matrix (soil/water) WATER

Extraction: (SepF/Cont/Sonc) SEPF

Sulfur Cleanup (Y/N) Y

Date Extracted: 02/21/08

Date Analyzed (1): 02/24/08

Date Analyzed (2): 02/24/08

Time Analyzed (1): 1335

Time Analyzed (2): 1335

Instrument ID (1): E1

Instrument ID (2): E1

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

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

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	SAMPLE NO.	SAMPLE ID		ANALIZED Z
01 02	A1QLCS A1QLCSD	LCS-35000 LCSD-35000	02/24/08 02/24/08	02/24/08 02/24/08
03	FELF-EFF	G0212-01E	02/24/08	02/24/08
04 05				
06				
07		·		
08 09				
10				
11 12				
13				i
14				
15 16				
17				
18				
19				
20 21				
22				
23				
24 25				
26				

COMMENTS:	

page 1 of 1

FORM IV PCB



* Metals *

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

Lab Name: Mitkem Laboratories

Contract:

99163.04

Lab Code: MITKEM

SAS No.:

FELF-EFF

SDG No.: MG0212

Matrix (soil/water): WATER

Lab Sample ID: G0212-01

Level (low/med): MED

Date Received: 02/19/2008

% Solids: 0.0

Case No.:

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

CAS No.	Analyte	Concentration	С		Q	М
7429-90-5	Aluminum	554				P
7440-36-0	Antimony	3.9	В			P
7440-38-2	Arsenic	2.8	U			P
7440-39-3	Barium	44.7	В			P
7440-41-7	Beryllium	0.063	В			P
7440-43-9	Cadmium	0.16	Ū			Р
7440-70-2	Calcium	45600			-	P
7440-47-3	Chromium	0.70	В	1		P
7440-48-4	Cobalt	0.97	В			Р
7440-50-8	Copper	3.6	В			Р
7439-89-6	Iron	2160				P
7439-92-1	Lead	1.4	Ū			Р
7439-95-4	Magnesium	11300				P
7439-96-5	Manganese	215			-	P
7439-97-6	Mercury	0.040	. U			CV
7440-02-01	Nickel	3.4	В			P
7440-09-7	Potassium	6140				P
7782-49-2	Selenium	6.8				Р
7440-22-4	Silver	3.3	В	•		P
7440-23-5	Sodium	9640			·	P
7440-28-0	Thallium	2.1	U			P
7440-62-2	Vanadium	1.4	В			Р
7440-66-6	Zinc	8.6	В			Р

	Color	Before	COLORLESS	Clarity	Before:	CLEAR		Texture:	
	Color	After:	COLORLESS	Clarity	After:	CLEAR		Artifacts	:
mme	nts:				,				
			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
									
	•	<u> </u>				<u> </u>			

EPA SAMPLE NO.

			INORGANIC ANA	LYSIS DATA S	HEET	FELF-INF
Lab	Name:	Mitkem Laboratories		Contract:	99163.04	
Lab	Code:	MITKEM Case No.	: -	SAS No.:		SDG No.: MG0212

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

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

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	197	В	-	P
7440-36-0	Antimony	4.0	В		P
7440-38-2	Arsenic	2.8	Ū		P
7440-39-3	Barium	62.5	В		P
7440-41-7	Beryllium	0.040	Ū		P
7440-43-9	Cadmium	0.53	В		P
7440-70-2	Calcium	87500			P
7440-47-3	Chromium	2.3	В	-	P
7440-48-4	Cobalt	3.9	В		P
7440-50-8	Copper	0.60	В	******	P
7439-89-6	Iron	21300			P
7439-92-1	Lead	1.4	ΰ	-	P
7439-95-4	Magnesium	22600			P
7439-96-5	Manganese	2430		~	P
7439-97-6	Mercury	0.040	Ū		CV
7440-02-0	Nickel	5.2	В	·	Р
7440-09-7	Potassium	3560	В	······································	P
7782-49-2	Selenium	8.4		-	P
7440-22-4	Silver	3.2	В	- 10-	P
7440-23-5	Sodium	43900			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	0.96	В		P
7440-66-62	Zinc	6.5	В		Р

	Color	Before	YELLOW	Clarity	Before:	CLOUDY		Texture:	
	Color	After:	COLORLESS	Clarity	After:	CLEAR		Artifacts:	
omme:	nts:						3		
	-					·	<u> </u>		
								-4	

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

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

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L MB-35027

FIMS1 080225C

	Initial									************	
	Calibration			Continuing Calibration						n	
·	Blank (ug/L)			Blank (ug/L)				Blank			
Analyte		С	1	C	2	C	3	С		C	М
Mercury	-0.106	В	-0.083	LВ	-0.108	В	-0.109	В	-0.108	В	

U.S. EPA - CLP

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BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

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

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L MB-35033

OPTIMA3 080225A

	Initial										
	Calibration	n	Co	ont	inuing Calib	Preparation	n,				
	Blank (ug/I	,)			Blank (ug/I	۲)			Blank		
Analyte		C	1	С	2	C	3	С		С	М
Potassium	58.2	В	38.3	В	33.6	Ū	35.9	В	33.560	Ū	
Sodium	14.1	Ū	14.1	Ū	26.9	В	16.5	В	14.090	U	

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BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

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

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L MB-35033

OPTIMA3 080225B

	Initial								
	Calibration		Contin	nuing Calibration				Preparation	İ
	Blank (ug/L)		E	lank (u	g/L)			Blank	
Analyte	C	1	С	2	C	3	C	С	М
Selenium	4.2 B	3	3.6 U	3	3.6 U			3.610 U	

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BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

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

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

MB-35033

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

OPTIMA3 080225D

				U	PTIMA3_08022	טט					
	Initial										Ī
	Calibratio	n	C	ont	tinuing Calib	ora	ation		Preparatio	n	
	Blank (ug/I	١)			Blank (ug/	۲)			Blank		
Analyte		С	1	C	2	C	3	C		C	M
Aluminum	6.2	U	6.2	Ū	6.2	Ū	6.2	Ū	6.597	В	
Antimony	2.1	В	2.5	В	3.2	В	3.6	В	2.619	В	
Arsenic	2.8	U	2.9	В	2.9	U	2.9	Ū	2.850	Ū	
Barium	0.8	В	0.8	В	0.5	В	0.4	В	3.763	В	
Beryllium	0.0	Ū	0.0	Ū	0.0	U	0.0	В	0.040	Ū	
Cadmium	0.2	ט	0.2	Ū	0.2	Ū	0.2	Ū	0.160	U	1
Calcium	43.8	Ū	43.8	U	43.8	U	43.8	Ü	43.790	Ū	
Chromium	0.2	U	0.1	Ū	0.1	U	0.1	U	0.150	Ū	
Cobalt	0.3	В	0.2	В	0.1	U	0.2	В	0.276	В	
Copper	3.6	В	2.8	В	1.5	В	2.3	В	5.057	В	
Iron	1.8	U	1.9	В	1.8	Ū	3.0	В	47.845	В	
Lead	1.4	U	1.4	Ū	1.4	U	1.4	Ū	1.390	U	
Magnesium	12.1	Ū	12.1	Ū	12.1	Ū	12.1	U	12.080	Ū	
Manganese	0.1	U	0.1	U	0.5	В	0.2	В	2.295	В	
Nickel	0.5	В	0.3	Ū	0.4	В	0.3	U	0.409	В	
Silver	1.2	В	0.9	В	0.6	В	0.6	U	2.344	В	
Thallium	2.3	В	2.1	U	2.1	Ü	2.1	U	2.080	Ü	
Vanadium	0.4	Ü	0.4	Ū	0.4	U	0.4	Ū	0.430	Ü	
Zinc	2.3	В	1.2	В	0.7	В	1.4	В	11.716	В	

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LABORATORY CONTROL SAMPLE

Lab Name:	Mitkem Labora	tories	Contract:	99163.04			
Lab Code:	MITKEM	Case No.:	SAS No.:		SDG No.:	MG0212	
Solid LCS	Source:				LCS(D) ID:		
Aqueous LO	CS Source:				LCS-35033		

					,			
	Aqu	eous (ug/I	1)		Sol	id (mg/	kg)	
Analyte	True	Found	%R	True	Found	C	Limits	%R
Aluminum	9100.0	8916.83	98.0					
Antimony	455.0	433.25	95.2					
Arsenic	455.0	1 1	101.3					
Barium	9100.0	9421.18	103.5					
Beryllium	227.0	242.29	106.7					
Cadmium	227.0	226.99	100.0					
Calcium	22700.0	22422.86	98.8					
Chromium	910.0	948.87	104.3					-
Cobalt	2270.0	2405.90	106.0					
Copper	1130.0	1151.00	101.9					
Iron	4550.0	4712.29	103.6					
Lead	455.0	454.84	100.0					
Magnesium	22700.0	23262.56	102.5					
Manganese	2270.0	2337.20	103.0					
Nickel	2270.0	2409.66	106.2			-		
Potassium	22700.0	23601.26	104.0					
Selenium	455.0	488.35	107.3					
Silver	1130.0	1102.24	97.5					
Sodium	22700.0	23555.54	103.8					
Thallium	455.0	436.83	96.0					
Vanadium	2270.0	2283.46	100.6					
Zinc	2270.0	2428.31	107.0				-	



* Wet Chemistry *

Date: 22-Feb-08

Client: Earth Tech

Client Sample ID: FELF-EFF

Lab ID: G0212-01

Project: Fort Edward Landfill

Collection Date: 02/18/08 10:35

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS		SM2540_TD	S	
Total Dissolved Solids	220	10 mg/L	1 02/20/2008 13:30	34986
TOTAL SUSPENDED SOLIDS		SM2540_TS	S	
Total Suspended Solids	ND	10 mg/L	1 02/20/2008 13:30	34987
PHENOLS by 4-Aminoantipyrine Method		SM5530_W		
Phenolics, Total Recoverable	ND	0.20 mg/L	1 02/20/2008 8:40	34980

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

Date: 22-Feb-08

Client: Earth Tech

Client Sample ID: FELF-INF

Lab ID: G0212-02

Project: Fort Edward Landfill

Collection Date: 02/18/08 10:55

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS		SM2540_TE		
Total Dissolved Solids	490	10 mg/L	1 02/20/2008 13:30	34986
TOTAL SUSPENDED SOLIDS Total Suspended Solids	31	SM2540_TS 10 mg/L	1 02/20/2008 13:30	34987

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

Earth Tech G0212

Work Order: CLIENT:

Project:

Fort Edward Landfill

Date: 22-Feb-08

ANALYTICAL QC SUMMARY REPORT

SM2540_TDS TestCode: Run ID: MANUAL_080220A Prep Date: 2/20/2008 TestCode: SM2540_TDS SampType: MBLK

%RPD RPDLimit Qual %RPD RPDLimit Run ID: MANUAL_080220A RPD Ref Val RPD Ref Val SeqNo: 765516 SeqNo: 765517 %REC LowLimit HighLimit %REC LowLimit HighLimit Analysis Date: 2/20/2008 Analysis Date: 2/20/2008 Prep Date: 2/20/2008 SPK Ref Val SPK Ref Val SPK value SPK value TestCode: SM2540_TDS Ра PQL Units: mg/L Units: mg/L Result Result Batch ID: 34986 Batch ID: 34986 SampType: LCS Client ID: LCS-34986 Sample ID: LCS-34986 Sample ID: MB-34986 MB-34986 otal Dissolved Solids Client ID: Analyte Analyte

0.96

888.0

Fotal Dissolved Solids

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

CLIENT: Work Order:	Earth Tech G0212						ANALY	TICAL (C SUMIN	ANALYTICAL QC SUMMARY REPORT	ORT
Project:	Fort Edward Landfill	Landfill					T	TestCode:	SM2540_TSS	TSS	
Sample ID: MB-34987 Client ID: MB-34987	987 987	SampType: MBLK Batch ID: 34987	TestCode: Units:	TestCode: SM2540_TSS Units: mg/L		Prep Date: 2/20/2008 Analysis Date: 2/20/2008	2/20/2008 2/20/2008	Run ID: SeqNo:	Run ID: MANUAL_080220B SeqNo: 765522	220B	
Analyte Total Suspended Solids	olids		Result	PQL 10	SPK value	SPK Ref Val	%REC LowLimit HighLimit		RPD Ref Val	%RPD RPDLimit	Qual
Sample ID: LCS-34987 Client ID: LCS-34987	4987 4987	SampType: LCS Batch ID: 34987	TestCode: Units:	TestCode: SM2540_TSS Units: mg/L		Prep Date: 2/20/2008 Analysis Date: 2/20/2008	2/20/2008 2/20/2008	Run ID: SeqNo:	Run ID: MANUAL_080220B SeqNo: 765521	220B	
Analyte Total Suspended Solids	spilos		Result 90.00	PQL 10	SPK value	SPK Ref Val	%REC LowLimit HighLimit 101 80 120		RPD Ref Val	%RPD RPDLimit Qual	Qual
Sample ID: G0212-02CDUP Client ID: FELF-INF	-02CDUP	SampType: DUP Batch ID: 34987	TestCode: Units:	TestCode: SM2540_TSS Units: mg/L	·	Prep Date: 2/20/2008 Analysis Date: 2/20/2008	2/20/2008 2/20/2008	Run ID: SeqNo:	Run ID: MANUAL_080220B SeqNo: 765520	220B	
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	ighLimit	RPD Ref Val	%RPD RPDLimit Qual	Qual
Total Suspended Solids	olids		32.00	10	0	0	0	0	31,00	3.17, 20	

J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit

Qualifiers:

ANALYTICAL QC SUMMARY REPORT

SM5530_W TestCode:

Fort Edward Landfill

Earth Tech G0212

Work Order: CLIENT:

Project:

	SampType: MBLK	TestCode: SM5530_W		Prep Date:		Run ID: SPEC2_080220B	
Client ID: MB-34980	Batch ID: 34980	Jnits: n		Analysis Date.	2/20/2008	eqNo: 765490	
Analyte		Result POL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	nit RPD Ref Val %RPD RPDLimit	it Qual
Phenolics, Total Recoverable		ND 0.20					
Sample ID: LCS-34980	SampType: LCS	TestCode: SM5530_W		Prep Date; 2/20/2008	2/20/2008	Run ID: SPEC2_080220B	
Client ID: LCS-34980	Batch ID: 34980	Units: mg/L		Analysis Date:	2/20/2008	SeqNo: 765489	
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	it RPD Ref Val %RPD RPDLimit	it Qual
Phenolics, Total Recoverable		0.2940 0.20	0.3000	0	98.0 80 120	0	
Sample ID: G0212-01BMS	SampType: MS	TestCode: SM5530_W		Prep Date: 2/20/2008	2/20/2008	Run ID: SPEC2_080220B	
Client ID: FELF-EFF	Batch ID: 34980	Units: mg/L		Analysis Date:	2/20/2008	SeqNo: 765488	
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	it RPD Ref Val %RPD RPDLimit	it Qual
Phenolics, Total Recoverable		0.9090 0.20	1.000	0	90.9 75 125	0	
Sample ID: G0212-01BDUP	SampType: DUP	TestCode: SM5530_W		Prep Date: 2/20/2008	2/20/2008	Run ID: SPEC2_080220B	-
Client ID: FELF-EFF	Batch ID: 34980	Units: mg/L		Analysis Date: 2/20/2008	2/20/2008	SeqNo: 765487	
Analyte		Result PQL	SPK value	SPK Ref Vai	%REC LowLimit HighLimit	nit RPD Ref Val %RPD RPDLimit	it Qual
Phenolics, Total Recoverable		ND 0.20	0	0	0 0 0	0 0 20	

Qualifiers:

BABBUA

Last Page of Data Report



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

April 9, 2008

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

RE: Client Project: Fort Edward Landfill, reference number: 99163.04

Lab Project #: G0360

Dear Mr. Choiniere:

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

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

We appreciate your business.

Sincerely,

Shirley S. Ng

Project Manager

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

Project Name: Fort Edward Landfill

SDG: G0360

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

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

Project Name: Fort Edward Landfill

SDG: <u>G0360</u>

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

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

Project Name: Fort Edward Landfill

SDG: G0360

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

Page 5

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

Project Name: Fort Edward Landfill

SDG: <u>G0360</u>

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

04/10/2008 13:35

Analytical Data Package for Earth Tech

Client Project: Fort Edward Landfill

SDG# MG0360

Mitkem Work Order ID: G0360

April 9, 2008

Prepared For:

Earth Tech

40 British American Boulevard

Latham, NY 12110

Attn: Mr. Stephen Choiniere

Prepared By:

Mitkem Laboratories

175 Metro Center Boulevard

Warwick, RI 02886 (401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Fort Edward Landfill project. Under this deliverable, analysis results are presented for three aqueous samples that were received on March 21, 2008. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID, along with.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category A deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. OLM 4.2 Volatile Analysis:

Samples were preserved with hydrochloric acid with pH<2.

Surrogate recovery: recoveries were within the QC limits.

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

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

3. ILM 4.1 Metals Analysis:

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

Samples were preserved with nitric acid with pH<2.

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

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

4. Wet Chemistry Analysis:

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

Duplicate analysis: duplicate analyses were performed on sample FELF-EFF for total dissolved solids and total suspended solids. Duplicate analyses were also 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

04/09/08

Sample Transmittal Documentation

Mitkem Laboratories	09/4pr/08 9:09	WorkOrder: G0360
Client ID: EARTH_NY	Case:	Report Level: ASP-A
Project: Fort Edward Landfill	SDG:	EDD:

PO: 99163.04

Comments: under contract D004445-18-19-20-21-MIT-01

Location:

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

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd Matrix	Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage
G0360-01A	FELF EFF	03/20/2008 8:40	03/21/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	U U NOA
G0360-01B	FELF EFF	03/20/2008 8:40	03/21/2008	Aqueous	SM5530_W		
G0360-01C	FELF EFF	03/20/2008 8:40	03/21/2008	Aqueous	Aqueous ILM4.1_HG_W	ILM	
G0360-01D	FELF EFF	03/20/2008 8:40	03/21/2008	Aqueous	ILM4.1_ICP_W SM2540_TDS	ILM	M1
					SM2540_TSS		
G0360-02A	FELF INF	03/20/2008 9:00	03/21/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	
G0360-02B	FELF INF	03/20/2008 9:00	03/21/2008	Aqueous	ILM4.1_HG_W	ILM	
					ILM4.1_ICP_W	ILM	X
G0360-03A	TRIP BLANK	03/13/2008 0:00	03/21/2008	Aqueous	OLM4.2_VOA_W	NYS ADD LCS	\(\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tint{\text{\tett{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\text{\texi}\text{\text{\text{\ti}}\tint{\text{\text{\text{\text{\texi}\tint{\tiint{\text{\texit}\titt{\text{\ti}\tinttit{\text{\ti}\text{\texit{\text{\tet

Client Rep: Shirley S Ng

	CHA	AIN OF CUSTODY	ODY	Special Handling: Standard TAT - 7 to 10 business days
LABORATORIES		RECORD		Rush TAT - Date Needed: All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY		Pageof		· Samples disposed of after 60 days unless otherwise instructed.
Report To: Egyth Tech	Invoice To:	Same	Project No.:	50. 59165
Fish America			Site Name: Fort	Eduard LF
Letham NY 12110				State: NY
Project Mgr.: Stephen Choiniere	P.O. No.:	RQN:	Sampler(s):	26
1=Na ₂ S2O ₃ 2=HCl 3=H ₂ SO ₄ 4=HNO ₃ 5=NaOH 7=CH ₃ OH 8= NaHSO ₄ 9= 10=	7=9	Containers:	A CONTROL OF THE PROPERTY OF T	QA Reporting Notes:
DW=Drinking Water GW=Groundwater WW=Wastewater O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air	stewater A=Air	sse	8	☐ Provide MA DEP MCP CAM Report☐ □ Provide CT DEP RCP Report☐ □ Provide CT DEP RCP Report☐ □ Provide CT DEP RCP Report☐ □ Provide CT DEP RCP Report☐ □ Provide CT DEP RCP Report☐ □ Provide CT DEP RCP Report☐ □ Provide CT DEP RCP Report☐ □ Provide CT DEP RCP Report☐ □ Provide RCP Report☐ □ Provide RCP RCP RCP RCP RCP RCP RCP RCP RCP RCP
X1=X2=X3=		Via ED re	s/ - LS	QA/QC Reporting Level
G=Grab C=Composite		VOA	1/8 1/4 1040	☐ Standard ☐ No QC
Lab Id: Sample Id: Date:	Time. Type	D 10 # O 10 # O 10 # O 10 # O 10 #	15 M 15 M 15 M	State specific reporting standards:
8 80/08 8 EFF 3/20/08 8	8:40 G GW	2 - 2	× × ×	
02 FELF INF 3/20/08 9	9:00 6 6W	2	×	
03 Trip Blank 3/13/08 -		2	*	•
☐ Fax results when available to ()		Keinquished by	Received by:	
□ E-mail to	3	the Dros		1 3/20/08 1:45
EDD Format		0	MONING CA	1 2/11/12 8:46
Condition upon receipt:				

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

MITKEM LABORATORIES

Sample Condition Form

Page <u></u> of <u></u>

Received By: VをG	Reviewed By:	MEN		ے:Date	801161	MITKE	M Worko	rder#: C	50360
Client Project: For 20	Landfill			Client:	Ear-				Soil Headspace
		Lab Samp	olo ID	HNO ₃	Preserva H ₂ SO ₄			VOA	or Air Bubbles
A) Constant Constant	J.		_		112304 4 ユ	ПСІ	NaOH	Matrix	<u>≥</u> 1/4"
1) Cooler Sealed (es)	NO	60360		43	~ ~		_	1	
		60360		70	<u> </u>			4	
2) Custody Seal(s)	Present / Absent	60360	03	*>	<u> </u>			14	
	Coolers / Bottles		V2637311	,					
	fintacty Broken		-	-			-		
3) Custody Seal Number(s)	NA	,			<u> </u>	,		i 	
		1			. <u> </u>				
4) Chain-of-Custody	Present Absent								
5) Cooler Temperature	ع.د	l,				*			
Coolant Condition	105								
6) Airbill(s)	Present / Absent							-	-
Airbill Number(s)	FEDEX				,2	X			
	864197182115								
					.6/				
				1	y				
					X				
7) Sample Bottles	Tintac)/Broken/Leaking			1					
, ,					- · · -			****	
8) Date Received	3/21/09							_	
, , , =						! <u></u>			
9) Time Received	8:40					VOAN	/latrix Ke	ν.	
, , , , , , , , , , , , , , , , , , , ,			;				Inpreserv	~	A = Air
Preservative Name/Lot No:			:				Inpreserv		H = HCI
1 10001 valivo Namo/Lot No.						M= Me	•	ca Aqu.	E = Encore
						N = Na			F = Freeze
		/			_	1 140			
	1		,						
See Sample Cond	ition Notification/Correct	tive Action Fo	rm ye	es 🔞					
						Rad O	K yes/ no	2	



OLM 4.2/
* Volatiles *

1A.

VOLATILE ORGANICS ANALYSIS DATA SHEET

FELF	EFF

Lab Name: Mitkem Labor	atories	Contract:	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.: MG0360
Matrix: (soil/water) W	ATER	Lab Sample ID: G03	360-01A
Sample wt/vol:	5 (G/ML) ML	Lab File ID: V5I5	654.D
Level: (low/med) LOW	·	Date Received: 03/	/21/2008
% Moisture: not dec.		Date Analyzed: 03/	/21/2008
GC Column: DB-624	ID: 0.25 (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(μL)	Soil Aliquot Volu	me: (µL)

CONCENTRATION UNITS:

		CONCENTRATION UNITS:	
CAS NO. COMPOUND		(µg/L or µg/Kg) UG/L	Q
75-71-8 Dichlorodifly	ıoromethane	10	Ū
74-87-3 Chloromethane	9	. 10	U
75-01-4 Vinyl chloric	de	10	U
74-83-9 Bromomethane		10	U
75-00-3 Chloroethane		10	U
75-69-4 Trichlorofluc	oromethane	10	Ū
75-35-4 1,1-Dichloro	ethene	10	Ū
76-13-1 1,1,2-Trichlo	oro-1,2,2-trifluoroethane	10	U
67-64-1 Acetone		10	U
75-15-0 Carbon disul:	Eide	10	U
79-20-9 Methyl acetat	ce	10	Ü
75-09-2 Methylene ch	loride	10	Ū
156-60-5 trans-1,2-Dia	chloroethene	10.	Ū
1634-04-4 Methyl tert-	outyl ether	10	Ū
75-34-3 1,1-Dichloroe	ethane	10	Ū
156-59-2 cis-1,2-Dich	Loroethene	10	Ū
78-93-3 2-Butanone		10	Ū
67-66-3 Chloroform		10	Ū
71-55-6 1,1,1-Trichle	proethane	10	Ū
110-82-7 Cyclohexane		10	U
56-23-5 Carbon tetrac	chloride	10	Ü
71-43-2 Benzene		10	Ū
107-06-2 1,2-Dichloroe	ethane	10	U
79-01-6 Trichloroethe	ene	10	Ū
108-87-2 Methylcyclohe	exane	10	U
78-87-5 1,2-Dichloro	propane	10	U
75-27-4 Bromodichloro	omethane	10	Ű
10061-01-5 cis-1,3-Dich	Loropropene	10	U
108-10-1 4-Methyl-2-pe	entanone	10	ט
108-88-3 Toluene		10	Ū
10061-02-6 trans-1,3-Dic	chloropropene	10	Ū

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NΟ
		110

FELF	EFF		

Lab Name: Mitkem Laboratories	Contract:				
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0360				
Matrix: (soil/water) WATER	Lab Sample ID: G0360-01A				
Sample wt/vol: 5 (G/ML) ML	Lab File ID: V5I5654.D				
Level: (low/med) LOW	Date Received: 03/21/2008				
% Moisture: not dec.	Date Analyzed: 03/21/2008				
GC Column: DB-624 ID: 0.25 (mm)					
Soil Extract Volume: (µL)					
	CONCENTRATION UNITS:				
CAS NO. COMPOUND	(μg/L or μg/Kg) UG/L Q				
79-00-5 1,1,2-Trichloroethane	10 U				
127-18-4 Tetrachloroethene	10 U				
591-78-6 2-Hexanone	10 U				
124-48-1 Dibromochloromethane	10 U				
106-93-4 1,2-Dibromoethane	10 U				
108-90-7 Chlorobenzene	10 U				
100-41-4 Ethylbenzene	10 U				
1330-20-7 Xylene (Total)	10 U				
100-42-5 Styrene	10 U				
75-25-2 Bromoform	10 U				
98-82-8 Isopropylbenzene	10 U				
79-34-5 1,1,2,2-Tetrachloroethane	10 U				
541-73-11,3-Dichlorobenzene	10 U				
106-46-71,4-Dichlorobenzene	10 U				
95-50-1 1,2-Dichlorobenzene	10 U				
96-12-8 1,2-Dibromo-3-chloropropane	10 U.				
120-82-1 1,2,4-Trichlorobenzene	10 U				

1F VOLATILE ORGANICS ANALYSIS DATA SHEET

EIA .	DAME LIE	110.	
ק דקיק	नन्त्र		
EETE	C.F.F		

Lab Name: Mitkem Labora	atories		Contract:				
Lab Code: MITKEM	Case No.:		SAS No.:		SDG No.:	MG0360)
Matrix: (soil/water) WA	TER		Lab Sample II	G0360-01.	 A		
Sample wt/vol:	5 (G/ML) I	ML	Lab File ID:	V5I5654.D			
Level: (low/med) LOW			Date Received	d: 03/21/20	08		
% Moisture: not dec.			Date Analyzed	d: 03/21/20	08	-	
GC Column: DB-624	ID:	0.25 (mm)	Dilution Fact	or:			1.0
Soil Extract Volume:		(µL)	Soil Aliquot	Volume:			0 (µL
Number TICs found:		0					
				CONCENTR	ATION UNITS	5: U	G/L
CAS NO. COMPOUND)		RT	ESTIMATE	D CONCENTRA	ATION	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO
DITT DITTILL NO

FELF	INF	

Lab Name: Mitkem Lab	oratories	Contract:	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.: MG0360
Matrix: (soil/water)	WATER	Lab Sāmple ID: G03	60-02A
Sample wt/vol:	5 (G/ML) ML	Lab File ID: V5I5	656.D
Level: (low/med) LOW		Date Received: 03/	21/2008
% Moisture: not dec.		Date Analyzed: 03/	21/2008
GC Column: DB-624	ID: 0.25 (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µL)	Soil Aliquot Volur	ne: (μL)

CAC NO	COMPOUND	CONCENTRATION UNITS:	0
	BDichlorodifluoromethane	(μg/L or μg/Kg) UG/L	Q T U
	Chloromethane	10	Ū
	Vinyl chloride	67	┷
	Bromomethane	10	U
	3 Chloroethane	10	Ū
	Trichlorofluoromethane	. 10	Ŭ
	1,1-Dichloroethene	10	U
	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
	Acetone	10	Ū
	Carbon disulfide	10	Ū
	Methyl acetate	10	Ū
	Methylene chloride	10	Ū
	trans-1,2-Dichloroethene	10	Ū
	Methyl tert-butyl ether	10	. U
75-34-3	3 1,1-Dichloroethane	10	Ū
	cis-1,2-Dichloroethene	140	
78-93-3	3 2-Butanone	10	Ü
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	7 Cyclohexane	10	Ū
56-23-5	Carbon tetrachloride	10	Ū
71-43-2	Benzene	3.8	J
107-06-2	1,2-Dichloroethane	10	Ü
79-01-6	Trichloroethene	10	Ü
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	Ū
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-pentanone	10	Ū
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	TT .

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.	
FELE	INF		

Lab Name: Mitkem Laboratories	Contract:				
Lab Code: MITKEM Case No.:	SAS No.:	SDG No.: MG0	360		
Matrix: (soil/water) WATER	Lab Sample ID: G0360-02A	Lab Sample ID: G0360-02A			
Sample wt/vol: 5 (G/ML) ML					
Level: (low/med) LOW	Date Received: 03/21/200	8			
					
% Moisture: not dec.	Date Analyzed: 03/21/200	8			
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor:			1.00	
Soil Extract Volume: (µL) Soil Aliquot Volume:			(µL)	
	CONCENTRATIO	ON UNITS:			
CAS NO. COMPOUND	(µg/L or µg,	· · · · · · · · · · · · · · · · · · ·	Q		
79-00-5 1,1,2-Trichloroethane		10	U.	1	
127-18-4 Tetrachloroethene		10	U	1	
591-78-6 2-Hexanone		10	U	1	
124-48-1 Dibromochloromethane		10	U	1	
106-93-4 1,2-Dibromoethane	·	10	U	1	
108-90-7 Chlorobenzene		2.7	Ĵ	1	
100-41-4 Ethylbenzene		10	Ū	1	
1330-20-7 Xylene (Total)		5.1	J]	
100-42-5 Styrene		10	Ū	1	
75-25-2 Bromoform		10	Ū	1	
98-82-8 Isopropylbenzene		10	U	1	
79-34-5 1,1,2,2-Tetrachloroethane		10	U	1	
541-73-1 1,3-Dichlorobenzene		10	U	1	
106-46-7 1,4-Dichlorobenzene		10	U]	
95-50-1 1,2-Dichlorobenzene		10	Ū		
96-12-8 1,2-Dibromo-3-chloropropane		10	Ū	1	

120-82-1 1,2,4-Trichlorobenzene

1F VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE	NO.
FELF INF	

Lab Name: Mitkem Labor	ratories		Contra	ct:	-		-
Lab Code: MITKEM	Case No.:		SAS No	.:	(SDG No.: MG03	60
Matrix: (soil/water) W	ATER		Lab Sa	mple ID	: G0360-02A		· · · · · · · · · · · · · · · · · · ·
Sample wt/vol:	5.(G/ML)	ML	Lab Fi	le ID:	V5I5656.D		
Level: (low/med) LOW			Date R	eceived	: 03/21/2008		
% Moisture: not dec.			Date A	nalyzed	: 03/21/2008		
GC Column: DB-624	ID:	0.25 (mm)	Diluti	on Facto	or:		1.00
Soil Extract Volume:		(µL)	Soil A	liquot '	Volume:		0 (μL)
Number TICs found:		0					
					CONCENTRAT	ION UNITS:	UG/L
CAS NO. COMPOUN	D	- U		RT	ESTIMATED	CONCENTRATION	N Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP	BLANK		

Lab Name: Mitkem Labor	catorios	Contract:		
Lab Name: MICKem Labor	acories	Contract:		
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.: MG0360	
Matrix: (soil/water) W	JATER	Lab Sample ID: G0360	-03A	
Sample wt/vol:	5 (G/ML) ML	Lab File ID: V5I565	5.D	_
Level: (low/med) LOW		Date Received: 03/21	/2008	-
% Moisture: not dec.		Date Analyzed: 03/21	/2008	
GC Column: DB-624	ID: 0.25 (mm)	Dilution Factor:	-1	1.00
Soil Extract Volume:	(µL)	Soil Aliquot Volume	:	(µL)
		CONCENT	RATION UNITS:	
CAS NO. COMPOUND		(μg/L or	r μg/Kg) UG/L Q)

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/L	Q
	B Dichlorodifluoromethane	. 10	U
	3 Chloromethane	10	Ū
	4 Vinyl chloride	10	U
	9 Bromomethane	10	U
	3 Chloroethane	. 10 .	U
75-69-	4 Trichlorofluoromethane	10	U
75-35-4	4 1,1-Dichloroethene	10	Ū
76-13-:	1,1,2-Trichloro-1,2,2-trifluoroethane	10	Ū
67-64-3	l Acetone	10	U
75-15-0	Carbon disulfide	10	U
79-20-	Methyl acetate	10	U
75-09-2	Methylene chloride	. 10	Ū
156-60-	trans-1,2-Dichloroethene	10	U
1634-04-	Methyl tert-butyl ether	10	U
75-34-3	31,1-Dichloroethane	10	Ū
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	3 2-Butanone	10	Ū
67-66-3	Chloroform	. 10	Ū
71-55-6	61,1,1-Trichloroethane	10	Ū
110-82-	7 Cyclohexane	10	Ū
56-23-5	Carbon tetrachloride	10	Ū
71-43-2	Benzene	10	Ū
107-06-2	1,2-Dichloroethane	10	U
79-01-0	Trichloroethene	. 10	Ü
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	10	Ü
10061-01-5	cis-1,3-Dichloropropene	10	Ū
108-10-1	4-Methyl-2-pentanone	10	Ū
108-88-3	3 Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO
-		LVO

TRIP BLANK

Lab Name: Mitkem Laboratories	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0360
Matrix: (soil/water) WATER	Lab Sample ID: G0360-03A
Sample wt/vol: 5 (G/ML) ML	Lab File ID: V5I5655.D
Level: (low/med) LOW	Date Received: 03/21/2008
% Moisture: not dec.	Date Analyzed: 03/21/2008
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.00
Soil Extract Volume: (µL)	Soil Aliquot Volume: (µL)
	CONCENTRATION UNITS:
CAS NO. COMPOUND	(µg/L or µg/Kg) UG/L Q
79-00-5 1,1,2-Trichloroethane	10 U
127-18-4 Tetrachloroethene	10 U
591-78-6 2-Hexanone	10 U
124-48-1 Dibromochloromethane	10 U
106-93-41,2-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
541-73-11,3-Dichlorobenzene	10 U
106-46-7 1,4-Dichlorobenzene	10 U
95-50-11,2-Dichlorobenzene	10 U
96-12-81,2-Dibromo-3-chloropropane	10 U
120-82-1 1,2,4-Trichlorobenzene	10 U

VOLATILE ORGANICS ANALYSIS DATA SHEET

LPA	ũ	DAMPLE	NO.
TRIE	>	BLANK	

Lab Name: Mickem Laboratories			Contract:				
Lab Code: MITKEN	Case No.:		SAS No.:	S	SDG No.: MG036	0	
Matrix: (soil/w	ater) WATER		Lab Sample ID	: G0360-03A			
Sample wt/vol:	5 (G/ML)	ML .	Lab File ID:	V5I5655.D			
Level: (low/med) LOW		Date Received	: 03/21/2008			
% Moisture: not	dec.		Date Analyzed	: 03/21/2008			
GC Column: DB-6	24 ID:	0.25 (mm)	Dilution Facto	or:		1.0	
Soil Extract Vo	lume:	(µL)	Soil Aliquot	Volume:		0 (µL	
Number TICs found	l:	0		2			
				CONCENTRAT	ION UNITS:	JG/L	
CAS NO.	COMPOUND		RT	ESTIMATED	CONCENTRATION	Q	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.	
VR5	LCS		

Lab Name: Mitkem Laboratories	Contract	t:		
Lab Code: MITKEM Case No.:	SAS No.:	:	SDG No.: MG	0360
Matrix: (soil/water) WATER	 Lab Samp	ple ID: LCS-3540	0	
Sample wt/vol: 5 (G/ML) ML	 Lab File	e ID: V5I5653.D		
Level: (low/med) LOW	——. Date Red	ceived:		
% Moisture: not dec.	—— Date Ana	alyzed: 03/21/20	 N8	
		n Factor:		
				1.
Soil Extract Volume: (µ	L) Soil Ala	iquot Volume:		(μ
		CONCENTRAT	ION UNITS:	
CAS NO. COMPOUND		(μg/L or μ	g/Kg) UG/L	Q
75-71-8 Dichlorodifluoromethane			10	U
74-87-3 Chloromethane			10	Ü
75-01-4 Vinyl chloride		=-	10	U
74-83-9 Bromomethane			10.	U
75-00-3 Chloroethane			10	Ü
75-69-4 Trichlorofluoromethane			10	Ü
75-35-41,1-Dichloroethene			53	
76-13-1 1,1,2-Trichloro-1,2,2-trifluoroetha	ane		10	U
67-64-1 Acetone			10	Ŭ
75-15-0 Carbon disulfide			10	U
79-20-9 Methyl acetate			10	Ū
75-09-2 Methylene chloride			10	Ū
156-60-5 trans-1,2-Dichloroethene			10	U
1634-04-4 Methyl tert-butyl ether			. 10	. П
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	Ü
71-55-6 1,1,1-Trichloroethane			10	Ü
110-82-7 Cyclohexane			10	U
56-23-5 Carbon tetrachloride		<u> </u>	10	Ŭ.
71-43-2 Benzene			55	11
107-06-2 1,2-Dichloroethane 79-01-6 Trichloroethene			. 10 56	U
108-87-2 Methylcyclohexane			10	U
78-87-5 1,2-Dichloropropane			10	U
75-27-4 Bromodichloromethane			10	U
, o z i aldromogratiatorome chane			T 0	

FORM I VOA-1

10061-01-5 cis-1,3-Dichloropropene

10061-02-6 trans-1,3-Dichloropropene

108-10-1 4-Methyl-2-pentanone

108-88-3 Toluene

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.	
VR5I	CS		
j			

Lab Name: Mitkem Laboratories	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0360
Matrix: (soil/water) WATER	Lab Sample ID: LCS-35400
Sample wt/vol: 5 (G/ML) ML	Lab File ID: V5I5653.D
Level: (low/med) LOW	Date Received:
% Moisture: not dec.	Date Analyzed: 03/21/2008
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.
Soil Extract Volume: (µL)	Soil Aliquot Volume: (µI
	CONCENTRATION UNITS:
CAS NO. COMPOUND	(µg/L or µg/Kg) UG/L Q
79-00-5 1,1,2-Trichloroethane	10 U
127-18-4 Tetrachloroethene	10 U
591-78-62-Hexanone	10 U
124-48-1 Dibromochloromethane	10 U
106-93-41,2-Dibromoethane	10 U
108-90-7 Chlorobenzene	57
100-41-4 Ethylbenzene	10 U
1330-20-7 Xylene (Total)	10 · U
100-42-5 Styrene	10 U
75-25-2 Bromoform	10 U
98-82-8 Isopropylbenzene	10 U
79-34-511.1.2.2-Tetrachloroethane	10

541-73-1 1,3-Dichlorobenzene

106-46-7 1,4-Dichlorobenzene

95-50-11,2-Dichlorobenzene

120-82-1 1, 2, 4-Trichlorobenzene

96-12-8 1,2-Dibromo-3-chloropropane

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.	
VBLK	(R5		

Lab Name: Mitkem Laboratories	Contract:				<u> </u>
Lab Code: MITKEM Case No.:	SAS No.:		SDG No.: M	G0360	
Matrix: (soil/water) WATER	Lab Sample	ID: MB-35400			
Sample wt/vol: 5 (G/ML) ML	— Lab File ID	: V5I5652.D			
Level: (low/med) LOW	— Date Receiv	ed:			
% Moisture: not dec.	— Date Analyz	ed: 03/21/200)8		
GC Column: DB-624 ID: 0.25 (mm					1.00
Soil Extract Volume: (µL				·	(µL)
		CONCENTRATI			
CAS NO. COMPOUND		(µg/L or µg		Q	1
75-71-8 Dichlorodifluoromethane			10	Ū	
74-87-3 Chloromethane			1.0	Ū	
75-01-4 Vinyl chloride			10	Ū	
74-83-9 Bromomethane			10	Ū	
75-00-3 Chloroethane			10	U	
75-69-4 Trichlorofluoromethane			10	Ū	
75-35-4 1,1-Dichloroethene			10	Ū	
76-13-1 1,1,2-Trichloro-1,2,2-trifluoroetha	ne		10	Ū	
67-64-1 Acetone		·	10	Ū	
75-15-0 Carbon disulfide			10	Ü	1
79-20-9 Methyl acetate			10	Ū	ĺ
75-09-2 Methylene chloride			10	Ū	
156-60-5 trans-1,2-Dichloroethene			10	Ū	1
1634-04-4 Methyl tert-butyl ether			10	Ū	1
75-34-3 1,1-Dichloroethane			10	Ū	
156-59-2 cis-1,2-Dichloroethene			10	Ū	
78-93-3 2-Butanone			10	Ü	
67-66-3 Chloroform			10	Ū	
71-55-6 1,1,1-Trichloroethane			10	Ū	
110-82-7 Cyclohexane			10	U	
56-23-5 Carbon tetrachloride			10	Ū	
71-43-2 Benzene	<u> </u>		10	Ū	
107-06-2 1,2-Dichloroethane			10	Ū	
79-01-6 Trichloroethene			10	Ū	
108-87-2 Methylcyclohexane			10	Ū	
78-87-5 1,2-Dichloropropane			10	Ū	
75-27-4 Bromodichloromethane		 	10	Ū	
10061-01-5 cis-1,3-Dichloropropene		 	10	Ū	
108-10-14-Methyl-2-pentanone		-	10	Ū	
108-88-3 Toluene		 	10	U	
10061-02-6 trans-1,3-Dichloropropene			10	Ū	
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FORM I VOA-1

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

LPA	SAMPLE	NO.		
VBLK	TR 5			
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Lab Name: Mitkem Laboratories	Contract:	_	
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MG0360		
Matrix: (soil/water) WATER	Lab Sample ID: MB-35400		
Sample wt/vol: 5 (G/ML) ML	Lab File ID: V5I5652.D		
Level: (low/med) LOW	Date Received:		
% Moisture: not dec.	Date Analyzed: 03/21/2008		
GC Column: DB-624 ID: 0.25 (mm		. (
	Soil Aliquot Volume: ()	μL	
	<u></u>		
	CONCENTRATION UNITS:		
CAS NO. COMPOUND	(μ g/L or μ g/Kg) UG/L Q		
79-00-5 1,1,2-Trichloroethane	. 10 U		
127-18-4 Tetrachloroethene	10 U		
591-78-62-Hexanone	. 10 U		
124-48-1 Dibromochloromethane	. 10 U		
106-93-41,2-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		
79-34-51,1,2,2-Tetrachloroethane	10 U		
541-73-11,3-Dichlorobenzene	10 U		
106-46-71,4-Dichlorobenzene	10 U		
95-50-11,2-Dichlorobenzene	10 U		
96-12-8 1,2-Dibromo-3-chloropropane	10 U		
120-82-11,2,4-Trichlorobenzene	. 10 U		

1F VOLATILE ORGANICS ANALYSIS DATA SHEET

LPA	SAMPLE	NO.	
VBLE	CR5		
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l			

Lab Name: Mitkem Laboratories			Contract:		
Lab Code: MITKEM C	Lab Code: MITKEM Case No.:			SDG No.: MG0360)
Matrix: (soil/water) WAT	ER		Lab Sample ID: MB-35	400	
Sample wt/vol: 5 (G/ML) ML			Lab File ID: V5I565	2.D	-
Level: (low/med) LOW			Date Received:		
% Moisture: not dec.			Date Analyzed: 03/21	/2008	
GC Column: DB-624	ID:	0.25 (mm)	Dilution Factor:		1.00
Soil Extract Volume:		(µL)	Soil Aliquot Volume	:	0 (μL)
Number TICs found:		0			
			CONCE	NTRATION UNITS: U	G/L
CAS NO. COMPOUND			RT ESTIM	ATED CONCENTRATION	Q

		1A			EPA SAMPLE	NO.
VOLATILE	ORGANICS	ANALYSIS	DATA	SHEET	VHBLKR5	

Lab Name: Mitkem Laboratories			Contract:			
Lab Code: MITKEM	Case No.:	SAS No.: SDG No.: MG0360				
Matrix: (soil/water) WA	TER	Lab Sample ID: VHBLKR5				
Sample wt/vol: 5 (G/ML) ML		Lab File ID: V5I5666.D				
Level: (low/med) LOW			Date Received: 03/21/2008			
% Moisture: not dec.		<u> </u>	Date Analyzed: 03/21/2008			
GC Column: DB-624	ID: 0.2	5 (mm)	Dilution Factor:	1.00		
Soil Extract Volume:		_(μL)	Soil Aliquot Volume:	(µL)		
			CONCENTRATION UNITS:			
CAS NO. COMPOUND			(μg/L or μg/Kg) UG/L Q			

10 U 75-71-8 Dichlorodifluoromethane 74-87-3 Chloromethane 10 Ū 75-01-4 Vinyl chloride 10 U 10 U 74-83-9 Bromomethane 10 U 75-00-3 Chloroethane 10 75-69-4 Trichlorofluoromethane U 10 U 75-35-4 1,1-Dichloroethene 76-13-11,1,2-Trichloro-1,2,2-trifluoroethane 10 U 10 U 67-64-1 Acetone 75-15-0 Carbon disulfide 10 U 10 Ü 79-20-9 Methyl acetate 75-09-2 Methylene chloride 10 U 10 U 156-60-5 trans-1,2-Dichloroethene 1634-04-4 Methyl tert-butyl ether 10 U 10 U 75-34-3 1,1-Dichloroethane 10 Ū 156-59-2 cis-1,2-Dichloroethene 78-93-3 2-Butanone 10 U 10 U 67-66-3 Chloroform 71-55-6 1,1,1-Trichloroethane 10 U 10 110-82-7 Cyclohexane 10 Ü 56-23-5 Carbon tetrachloride 71-43-2 Benzene 10 U 107-06-21,2-Dichloroethane 10 U 79-01-6 Trichloroethene 10 Ü 108-87-2 Methylcyclohexane 10 U 10 U 78-87-5 1,2-Dichloropropane 75-27-4 Bromodichloromethane 10 U 10 Ū 10061-01-5 cis-1,3-Dichloropropene 108-10-1 4-Methyl-2-pentanone 10 U 10 U 108-88-3 Toluene 10 Ū 10061-02-6 trans-1,3-Dichloropropene

FORM I VOA-1

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EFA	SAMPLE	140.	
VHBI	.KR5		Ť,
VIIDI			

Lab Name: Mitkem Lab	oratories	Contract:			
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.: MG	0360	
Matrix: (soil/water)	WATER	Lab Sample ID: V	HBLKR5		
Sample wt/vol:	5 (G/ML) ML	Lab File ID: V5	I5666.D		-
Level: (low/med) LOW		Date Received: 0	3/21/2008		
% Moisture: not dec.	,	Date Analyzed: 0	3/21/2008		
GC Column: DB-624	ID: 0.25 (mm)	Dilution Factor:	;		1.00
Soil Extract Volume:	(µL)	Soil Aliquot Vol	Lume:		(μL)
		CONC	CENTRATION UNITS:		
CAS NO. COMPOUNI		(µg/	/L or µg/Kg) UG/L	Q	
79-00-5 1,1,2-Tr	chloroethane		10	Ü	
127-18-4 Tetrachlo	proethene		10	Ū	
	· · · · · · · · · · · · · · · · · · ·				┥

		1 3 3 3	_
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	Ü
591-78-6	2-Hexanone	10	ט
124-48-1	Dibromochloromethane	10	Ū
106-93-4	1,2-Dibromoethane	10	Ū
108-90-7	Chlorobenzene	. 10	Ū
100-41-4	Ethylbenzene	10	Ū
1330-20-7	Xylene (Total)	10	Ū
100-42-5	Styrene	10	Ū
75-25-2	Bromoform	10	Ū
98-82-8	Isopropylbenzene	10	Ü
79-34-5	1,1,2,2-Tetrachloroethane	10	Ü
541-73-1	1,3-Dichlorobenzene	10	Ū
106-46-7	1,4-Dichlorobenzene	10	Ū
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	10	Ū
120-82-1	1,2,4-Trichlorobenzene	10	Ū

1F VOLATILE ORGANICS ANALYSIS DATA SHEET

DEA	DAMETIE	110.	
VHBI	KR5		
VIIDI	11(1()		

Lab Name: Mitkem Laboratorie	S	Contract:			
Lab Code: MITKEM Case	No.:	SAS No.:	SDG No.: MGO	360	
Matrix: (soil/water) WATER		Lab Sample ID: VHBLK	R5		
Sample wt/vol: 5	(G/ML) ML	Lab File ID: V5I5666.D			
Level: (low/med) LOW		Date Received: 03/21	/2008		
% Moisture: not dec.		Date Analyzed: 03/21	/2008		
GC Column: DB-624	ID: 0.25 (mm)	Dilution Factor:		1.0	
Soil Extract Volume:	(µL)	Soil Aliquot Volume	:	0 (µL	
Number TICs found:	0				
		CONCE	NTRATION UNITS:	UG/L	
CAS NO. COMPOUND		RT ESTIM	ATED CONCENTRATION	N Q	

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab	Name:	me: Mitkem Laboratories		Contract:		•	
Lab	Code:	MITKEM	Case No.:	SAS No.:		SDG No.:	MG0360

EPA	SMC1	SMC2	SMC3	TOT
SAMPLE NO.	TOL#	BFB#	DCE #	OUT
VBLKR5	103	101	96	0
)2 VR5LCS	97	99	97	0.
)3 FELF EFF	100	102	97	0
)4 TRIP BLANK	100	98	100	. 0
)5 FELF INF	99	99	. 97	0
06 VHBLKR5	102	99	98	0

QC Limits

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

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

FORM II VOA-1

page 1 of 1

3A

WATER VOLATILE LABORATORY CONTROL SAMPLE/DUPLICATE RECOVERY

Lab	Name:	Mitker	m Laboratories	Contract:			
Lab	Code:	MITKEM	Case No.:	SAS No.:	SDG No.:	MG0360	
Matı	cix Spi	.ke - EPA	Sample No.:	VR5LCS			

	SPIKE	BLANK	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	9	LIMITS
COMPOUND	(µg/L)	(µg/L)	(µg/L)	REC #	REC.
1,1-Dichloroethene	50	0	53	106	61-145
Benzene	50	0	55	110	76-127
Trichloroethene	50	0	56	112	71-120
Toluene	50	0	55	110	76-125
Chlorobenzene	50	0	57	114	75-130

 $\ensuremath{\text{\#}}$ Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:	

VOLATILE METHOD BLANK SUMMARY

VBLKR5

Lab Name: Mitkem Laboratories

Contract:

Lab Code: MITKEM Case No.:

SAS No.: SDG No.: MG0360

Lab File ID: V5I5652.D

Lab Sample ID: MB-35400

Date Analyzed: 03/21/08

Time Analyzed: 16:39

GC Column: $\underline{DB-624}$ ID: $\underline{0.25}$ (mm) Heated Purge: (Y/N) \underline{N}

Instrument ID:

<u>v5</u>

THIS METHOD BLANK APPLIES TO THE FOLLOWING:

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	VR5LCS	LCS-35400	V5I5653.D	17:05
02	FELF EFF	G0360-01A	V515654.D	17:31
03	TRIP BLANK	G0360-03A	V5I5655.D	17:58
04	FELF INF	G0360-02A	V5I5656.D	18:25
-05	VHBLKR5	VHBLKR5	V5I5666.D	22:51

COMMENTS:			

page $\underline{1}$ of $\underline{1}$



* Metals *

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name:	Mitkem Labor	atories	Contract:	99163.04			
Lab Code:	MITKEM	Case No.:	SAS No.:		SDG :	No.:	MG0360
SOW No.:	ILM04.1	_					
		EPA Sample No. FELF EFF FELF INF		Lab Sample <u>G0360-01</u> <u>G0360-02</u>	ID		
Were ICP i	nterelement c	orrections applied?	Y	es/No	YES		
	round correct	ions applied? ata generated before	Y	es/No	YES		
_		ckground corrections?	Y	es/No	NO		
Comments:							
of the cordit the condit package ar authorized	ntract, both t tions detailed nd in the comp	ta package is in compliance technically and for complete above. Release of the outer-readable data submit ratory Manager or the Manager	teness, fo data conta ted on dis	r other than ined in this kette has be	n : hardo :en	copy da	ca
Signature:	: _dowlin		Name:	CAROLINA	BA	poura_	
Date:	d and desired	3/08	Title:				

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ILM04.1

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EPA SAMPLE NO.

	INORGANIC	ANALYSIS	DATA	SHEET	FELF	EFF
3		Cont	ract:	99163.04	į.	

Lab Name: Mitkem Laboratories Contract: 99163.04

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

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

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

% Solids: 0.0

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

CAS No.	Analyte	Concentration	С	Q	M
7429-90-5	Aluminum	1810			Р
7440-36-0	Antimony	1.8	Ū		Р
7440-38-2	Arsenic	2.8	Ū		Р
7440-39-3	Barium	38.4	В		P
7440-41-7	Beryllium	0.073	В		P
7440-43-9	Cadmium	0.16	Ū		P
7440-70-2	Calcium	30600			Р
7440-47-3	Chromium	2.9	В	-	P
7440-48-4	Cobalt	1.4	В		P
7440-50-8	Copper	10.0	В		P
7439-89-6	Iron	2500			P
7439-92-1	Lead	1.8	В		Р
7439-95-4	Magnesium	7750		-	Р
7439-96-5	Manganese	202			Р
7439-97-6	Mercury	0.040	U		CV
7440-02-0	Nickel	3.2	В		P
7440-09-7	Potassium	3720	В		Р
7782-49-2	Selenium	3.6	U		P
7440-22-4	Silver	5.7	В		P
7440-23-5	Sodium	6100			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	3.3	В		P
7440-66-6	Zinc	16.2	В		P

	Color	Before	COLORLESS	Clarity E	Before:	CLEAR	 Texture:	
	Color	After:	COLORLESS	Clarity A	After:	CLEAR	Artifacts:	
Commer	nts:						 . ———	
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EPA SAMPLE NO.

		INORGANIC ANALYSIS DAT	A SHEET	FELF INF
Lab Name:	Mitkem Laboratories	Contract	99163.04	

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

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

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

% Solids: 0.0

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

CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	L	6.2	U		P
7440-36-0	Antimony	1.8	U		P
7440-38-2	Arsenic	8.1	В		P
7440-39-3	Barium	134	В		P.
7440-41-7	Beryllium	0.040	U		P
7440-43-9	Cadmium	0.16	U		P
7440-70-2	Calcium	104000			P
7440-47-3	Chromium	0.22	В		P
7440-48-4	Cobalt	5.1	В		P
7440-50-8	Copper	4.4	В		P
7439-89-6	Iron	46300			P
7439-92-1	Lead	1.4	Ū		P
7439-95-4	Magnesium	29300			P
7439-96-5	Manganese	2160			P
7439-97-6	Mercury	0.040	Ū		CV
7440-02-0	Nickel	6.8	В		Р
7440-09-7	Potassium	12900			P
7782-49-2	Selenium	9.8			P
7440-22-4	Silver	4.7	В		Р
7440-23-5	Sodium	81400			P
7440-28-0	Thallium	2.1	Ü		Р
7440-62-2	Vanadium	0.43	U		P
7440-66-6	Zinc	6.2	В		Р
	·	· · · · · · · · · · · · · · · · · · ·			

	Color	Before	COLORLESS	Clarity Before	: CLEAR	Texture:
	Color	After:	COLORLESS	Clarity After:	CLEAR	Artifacts:
Commer	nts:					
						
						

BLANKS

Lab Name: Mitkem Laboratories Contract: 99163.04

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

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

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L MB-35515

FIMS1_080331A

	Initial										
	Calibration			Contin	uing Calil	brati	on		Preparation	n	,
	Blank (ug/L)			В	lank (ug/	L)			Blank		
Analyte			1	C	2	С	3	C		C.	М
Mercury	0.040	J	0.0	40 U	0.040	U			0.040	U	

BLANKS

Lab Name: Mitkem Laboratories

Contract:

99163.04

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.:

MG0360

Method Blank ID:

Preparation Blank Matrix (soil/water): WATER

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

MB-35511

OPTIMA3_080331A

	Initial									
	Calibration	n	Co	ont	inuing Calib	ra	tion		Preparation	
	Blank (ug/L)			Blank (ug/I	۱)			Blank	
Analyte		C	1	С	2	С	3	С	С	М
Potassium	33.6	U	33.6	U	33.6	Ū	33.6	U	33.560 ប	
Sodium	14.1	U	14.1	Ū	17.5	В	14.1	U	14.090 U	

3

BLANKS

Contract: 99163.04 Lab Name: Mitkem Laboratories

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MG0360

Preparation Blank Matrix (soil/water): WATER

Method Blank ID:

MB-35511

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

OPTIMA3 080331B

				O1	TIMAS_UOUSS.						
	Initial										
	Calibration	n	Co	Continuing Calibration				Preparation	n		
	Blank (ug/L	,)			Blank (ug/L)			Blank		
Analyte		С	1	С	2	С	3	С		С	М
Aluminum	6.2	Ü	11.0	В	6.2	U	6.2	U	10.881	В	
Antimony	1.8	U	1.8	U	1.8	U	2.0	В	1.780	U	
Arsenic	2.8	Ū	2.9	U	2.9	U	2.9	U	2.850	U	
Barium	0.5	В	0.9	В	1.5	В	0.4	В	3.910	В	
Beryllium	0.0	U	0.0	U	0.0	В	. 0.0	U	0.040	U	
Cadmium	0.2	U	0.2	Ü	0.2	U	0.2	U	0.160	U	
Calcium	43.8	U	43.8	Ü	43.8	Ū	43.8	U	43.790	U	
Chromium	0.2	U	0.2	В	0.1	Ü	0.1	U	0.430	В	
Cobalt	0.1	U	0.2	0.2 B 0.2 B 0.1 U 3.0 B 1.9 B 2.2 B		0.156	В				
Copper	5.2	В	3.0			В	5.325	В			
Iron	1.8	U	1.8	В	1.8	U	1.8	Ŭ	45.875	В	
Lead	1.4	U	1.4	U	1.4	Ü	1.4	U	1.390	U	
Magnesium	12.1	U	13.9	В	12.1	U	12.1	U	19.745	В	
Manganese	0.1	U	0.2	В	0.5	В	0.1	U	2.956	В	
Nickel	0.3	Ū	0.3	U	0.4	В	0.3	U.	0.328	В	
Selenium	3.6	Ū	3.6	U	3.6	U	3.6	Ü	3.610	U	
Silver	0.6	Ū	0.6	U	0.6	U	0.6	Ü	5.605	В	
Thallium	2.1	Ū	2.1	Ü	2.1	U	2.1	U	2.080	U	
Vanadium	0.4	Ū	0.4	U	0.4	U	0.6	В	0.430	U	
Zinc	1.9	В	2.1	В	1.3	В	1.3	В	6.985	В	

7

LABORATORY CONTROL SAMPLE

Lab Name:	Mitkem Lab	oratories	Contract:	99163.04		
Lab Code:	MITKEM	Case No.:	SAS No.:		SDG No.:	MG0360
Solid LCS	Source: _				LCS(D) ID:	
Aqueous Lo	CS Source:				LCS-35511	

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



* Wet Chemistry *

Mitkem Laboratories

Date: 27-Mar-08

Client: Earth Tech

Client Sample ID: FELF EFF

Lab ID: G0360-01

Project: Fort Edward Landfill

Collection Date: 03/20/08 8:40

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL DISSOLVED SOLIDS		SM2540_T[os	
Total Dissolved Solids	170	10 mg/L	1 03/25/2008 16:00	35439
TOTAL SUSPENDED SOLIDS		SM2540_TS	SS	
Total Suspended Solids	ND	10 mg/L	1 03/25/2008 16:00	35440
PHENOLS by 4-Aminoantipyrine Method		SM5530 W	•	
Phenolics, Total Recoverable	ND	0.20 mg/L	1 03/25/2008 12:10	35443

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

ANALYTICAL QC SUMMARY REPORT

Earth Tech Work Order: CLIENT:

Analyte

G0360 Project:

Qual **%RPD RPDLimit** SM2540_TDS Run ID: MANUAL_080325A RPD Ref Val SeqNo: 777152 TestCode: %REC LowLimit HighLimit 3/25/2008 Analysis Date: 3/25/2008 Prep Date: SPK Ref Val SPK value TestCode: SM2540_TDS ם Units: mg/L Result ND SampType: MBLK Batch ID: 35439 Fort Edward Landfill Sample ID: MB-35439 MB-35439 Total Dissolved Solids Client ID:

Qual %RPD RPDLimit Run ID: MANUAL_080325A Run ID: MANUAL_080325A RPD Ref Val SeqNo: 777155 SeqNo: 777153 SPK Ref Val %REC LowLimit HighLimit 120 Analysis Date: 3/25/2008 Prep Date: 3/25/2008 Analysis Date: 3/25/2008 Prep Date: 3/25/2008 SPK value TestCode: SM2540_TDS TestCode: SM2540_TDS PQL Units: mg/L Units: mg/L Result 850.0 Batch ID: 35439 Batch ID: 35439 SampType: DUP SampType: LCS Sample ID: G0360-01DDUP Client ID: LCS-35439 Sample ID: LCS-35439 FELF EFF Fotal Dissolved Solids Client ID: Analyte

Qual

%RPD RPDLimit

RPD Ref Val

%REC LowLimit HighLimit

SPK Ref Val

SPK value

10

170.0

Total Dissolved Solids

Analyte

PQL

Result

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit

Qualifiers:

B - Analyte detected in the associated Method Blank

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SM2540_TSS

TestCode:

Earth Tech G0360 Work Order: CLIENT:

Fort Edward Landfill

Project:

Sample ID: MB-35440	SampType: MBLK Batch ID: 35440	TestCode: SM25	TestCode: SM2540_TSS		Prep Date: 3/25/2008	3/25/2008	Run ID: MANUAL_080325B	JAL_08032	5B	
Analyte		Result	PQL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit	5	ef Val %	RPD Ref Val %RPD RPDLimit Qual	Qual
Total Suspended Solids		ND	10							
Sample ID: LCS-35440	SampType: LCS	TestCode: 8	TestCode: SM2540_TSS		Prep Date: 3/25/2008	3/25/2008	Run ID: MANUAL_080325B	JAL_08032	5B	
Client ID: LCS-35440	Batch ID: 35440	Units: mg/L	ng/L		Analysis Date: 3/25/2008	3/25/2008	SeqNo: 777199	6		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit		efVal %	RPD Ref Val %RPD RPDLimit Qual	Qual
Total Suspended Solids		39.00	10	45.80	0	85.2 80	120 0			
Sample ID: G0360-01DDUP	SampType: DUP	TestCode: 8	TestCode: SM2540_TSS		Prep Date: 3/25/2008	3/25/2008	Run ID: MANUAL_080325B	JAL_08032	5B	
Client ID: FELF EFF	Batch ID: 35440	Units: mg/L	ng/L		Analysis Date:	3/25/2008	SeqNo: 777201	_		
Analyte		Result	PQL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit		efVal %	RPD Ref Val %RPD RPDLimit Qual	Qual
Total Suspended Solids		ND	10	0	0	0 0	0 0		20	

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit

Qualifiers:

B - Analyte detected in the associated Method Blank

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SM5530_W TestCode:

Fort Edward Landfill

Earth Tech G0360

Work Order: CLIENT:

Project:

					,				
Sample ID: MB-35443	SampType: MBLK	TestCode	TestCode: SM5530_W		Prep Date:	3/25/2008	Run ID: SPEC2_080325B	25B	
Client ID: MB-35443	Batch ID: 35443	Units	Units: mg/L		Analysis Date:	3/25/2008	SeqNo: 776911		
Analyte		Result	POL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit Qual	Qual
Phenolics, Total Recoverable		ND	0.20						
Sample ID: LCS-35443	SampType: LCS	TestCode	TestCode: SM5530_W		Prep Date: 3/25/2008	3/25/2008	Run ID: SPEC2_080325B	25B	
Client ID: LCS-35443	Batch ID: 35443	Units	Units: mg/L		Analysis Date:	3/25/2008	SeqNo: 776912		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	mit RPD Ref Val	%RPD RPDLimit	Qual
Phenolics, Total Recoverable		0.2450	0.20	0.3000	0	81.7 80 120	0 0		
Sample ID: G0360-01BDUP	SampType: DUP	TestCode	TestCode: SM5530_W		Prep Date: 3/25/2008	3/25/2008	Run ID: SPEC2_080325B	25B	
Client ID: FELF EFF	Batch ID: 35443	Units	Units: mg/L		Analysis Date: 3/25/2008	3/25/2008	SeqNo: 776914		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	mit RPD Ref Val	%RPD RPDLimit	Qual
Phenolics, Total Recoverable		ND	0.20	0	0	0 0	0	0 20	
Sample ID: G0360-01BMS	SampType: MS	TestCode	TestCode: SM5530_W		Prep Date: 3/25/2008	3/25/2008	Run ID: SPEC2_080325B	25B	:
Client ID: FELF EFF	Batch ID: 35443	Units	Units: mg/L		Analysis Date:	3/25/2008	SeqNo: 776915		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	mit RPD Ref Val	%RPD RPDLimit	Qual
Phenolics, Total Recoverable		0.9020	0.20	1.000	0	90.2 75 12	125 0		

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits ND - Not Detected at the Reporting Limit

Qualifiers:

B - Analyte detected in the associated Method Blank

Last Page of Data Report