



Letter of Transmittal

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To: David Chiusano
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233-7020

Date: 4/8/05
Job No.: 35388
Subject: Site #8-49-002
North Franklin St.
Watkins Glen, Schulyer, NY
Work Authorization # D003825.093

We are sending you Attached Under Separate Cover the following items:

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Drawings (Prints) | <input type="checkbox"/> Proposal Request | <input type="checkbox"/> Copy of Letter |
| <input type="checkbox"/> Product Data | <input type="checkbox"/> Project Manual | <input type="checkbox"/> Change Order | <input type="checkbox"/> See Below |
| <input type="checkbox"/> Samples | <input type="checkbox"/> Tracings | <input type="checkbox"/> Technical Specifications | |

COPIES	PR #	DESCRIPTION
2		Active Venting System Operation and Maintenance, Groundwater
		Sampling Event Letter Report

These are transmitted for the following disposition:

- | | | |
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| <input type="checkbox"/> For Your Approval | <input checked="" type="checkbox"/> For Review and Comment | <input type="checkbox"/> Conform As Is |
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Remarks:

Copy to: File 35388 (C-1)/R-1

Seth M. Chisholm
Signed



ACTIVE VENTING SYSTEM OPERATION AND MAINTENANCE

GROUNDWATER SAMPLING EVENT LETTER REPORT

WORK ASSIGNMENT D003825-09.3

**NORTH FRANKLIN STREET SITE
WATKINS GLEN (V)**

**SITE NO. 8-49-002
SCHUYLER (C), NY**

Prepared for:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 Broadway, Albany, New York

Denise M. Sheehan, Acting Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION

**URS Corporation
77 Goodell Street
Buffalo, New York 14203**

April 2005

**GROUNDWATER SAMPLING EVENT
LETTER REPORT
NORTH FRANKLIN STREET SITE
SITE #8-49-002
VILLAGE OF WATKINS GLEN, NEW YORK**

FINAL

Prepared For:

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
WORK ASSIGNMENT D003825-09.3**

Prepared By:

**URS CORPORATION
77 GOODELL STREET
BUFFALO, NEW YORK 14203**

April 5, 2005

Mr. David J. Chiusano, Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
12th Floor
Albany, New York 12233-7013

**RE: NYSDEC Standby Contract
Active Venting System Operation and Maintenance # D003825-09.3
Groundwater Sampling Event
North Franklin Street Site, Site No. 8-49-002
Summary of Groundwater Sampling Activities: Letter Report**

Dear Mr. Chiusano:

URS Corporation (URS) has completed the groundwater-sampling event at the above-referenced site. This work was performed in accordance with the New York State Department of Environmental Conservation (NYSDEC) Project Management Work Plan (PMWP)/Budget Estimate (NYSDEC, July 2003).

The sampling events consisted of collecting depth to water and depth to bottom data from the wells to be sampled, and collecting representative samples of the groundwater present in each well. The groundwater sampling activities were performed by URS personnel on October 21 and 22, 2004 and December 29, 2004.

Groundwater Sampling Activities

A total of eleven monitoring wells were sampled on October 21 and 22, 2004 and December 29, 2004. Ten monitoring wells were sampled on October 21 and 22, 2004 (MW-01, MW-03, MW-04, MW-05D, MW-07S, MW-08S, MW-09s, MW-16S, MW-19S and MW-20S). Monitoring well MW-12S was not sampled during the October event due to access problems, but was later sampled during a bi-monthly operations and maintenance visit to the site on December 29, 2004. The well locations are shown on Figure 1. Prior to sampling, each well was purged a minimum of three well volumes using a dedicated/ disposable high-density polyethylene (HDPE) bailer. Water quality parameters (i.e., pH, conductivity, dissolved oxygen, etc.) were collected after each volume was purged from a well. A representative sample of groundwater was collected using a dedicated/ disposable HDPE bailer after a minimum of three well volumes had been purged, and the water quality parameters had stabilized for three consecutive readings. Well purge logs and field notes may be found in Appendix A. The groundwater samples from the monitoring wells were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs).

Groundwater samples collected for laboratory analysis were placed in laboratory-supplied sample containers. All samples were labeled with a unique sample identification number and maintained at approximately 4°C in designated ice chests. The samples were delivered to Mitkem Corporation (Mitkem)

in Warwick, Rhode Island, for analysis within the allowable holding times. A chain-of-custody record form was maintained and accompanied the samples during transport.

The purge water generated during the sampling event was containerized in U.S. Department of Transportation (DOT) approved 55-gallon 1A2 steel drums, which were staged onsite.

Analyses and Data Usability

The groundwater samples were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) via EPA Method 8260B. The data packages were prepared by the laboratory in accordance with the NYSDEC's Category B Deliverables requirements. The deliverables were reviewed by a URS chemist for compliance with the referenced method and United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review, EPA-540-R-99-008, October 1999. A Data Usability Summary Report (DUSR) was prepared by a URS chemist following the guidelines provided in NYSDEC Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated June 1999. The DUSR may be found in Appendix B.

Summary of Groundwater Analytical Results

- Table 1 compares the validated groundwater sampling results against applicable NYSDEC groundwater criteria [TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. 1998, Revised April 2000, Class GA].
- The primary contaminants detected in the groundwater were chlorinated VOCs, particularly tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (1,2-DCE), and vinyl chloride (VC). The location and concentration of compounds exceeding groundwater criteria are shown on Figure 2. The wells with the most compounds exceeding groundwater criteria were MW-03 and MW-05D, which are located just north of the site building. In MW-03, these compounds were detected at concentrations of 310 ug/L (VC), 98 ug/L (TCE), 50 ug/L (PCE) and 5,000 ug/L (1,2-DCE). In MW-05D, these compounds were detected at concentrations of 1,100 ug/L (TCE), 2,900 ug/L (PCE) and 480 ug/L (1,2-DCE). The total concentration of chlorinated VOCs in the remaining wells sampled was much lower, typically two to three orders of magnitude lower.
- Benzene, ethylbenzene and xylenes were detected at concentrations exceeding groundwater criteria in MW-08S. This well, which is located on the east side of the former bus garage, has historically been impacted by these compounds.
- Monitoring wells to the south of the site (MW-16S and MW-19S) typically showed no compounds exceeding groundwater criteria, with the only exception being PCE detected in MW-19S, at a concentration of 6 ug/l, slightly exceeding its groundwater quality criteria of 5 ug/l.
- Monitoring wells to the north of the site (MW-01, MW-04, MW-07S, MW-09S and MW-20S) showed slight exceedances of groundwater criteria. The exceedances for groundwater quality criteria in these wells are as follows:
 - MW-01: PCE at 15 ug/L and 1,2-DCE at 30 ug/L;
 - MW-04: TCE at 10 ug/L, PCE at 17 ug/L, 1,2-DCE at 12 ug/L and Methyl tert-Butyl Ether

- (MTBE) at 20 ug/L;
- MW-07S: 1,2-DCE at 7 ug/L; and,
 - MW-20S: TCE at 20 ug/L, PCE at 73 ug/L and 1,2-DCE at 170 ug/L.

No TCL VOCs were detected in the samples collected from MW-09S, MW-12S and MW-16S.

Figures 3 shows isoconcentration contours for Total VOCs detected in the monitoring wells sampled. The northern extent of the Total VOCs plume appears to terminate between MW-01 and MW-12, and its southern extent terminating at MW-16S. The eastern and western extents of the Total VOCs plume are undefined.

Figure 4 shows isoconcentration contours for Total Chlorinated VOCs detected in the monitoring wells sampled. The northern, southern and western extents of the Total Chlorinated VOCs plume are similar to the Total VOCs plume. However, the eastern extent of the Total Chlorinated VOCs plume terminates at MW-08S and MW-09S. This is due in large part to the fact that the VOCs detected in MW-08S are not chlorinated VOCs, but petroleum related VOCs. Figure 4 also shows an isolated chlorinated VOC groundwater exceedance at MW-19S, representing the above-mentioned 6 ug/l PCE detection.

IDW Disposal

On December 29, 2004, the investigation-derived waste (IDW), consisting of two (2) drums of purge water, was removed off-site by Frank's Vacuum Truck Service, Inc. (NYSDEC #9A-332/ EPA ID #NYD982792814), for disposal at the Chemical Waste Management facility in Model City, New York (EPA ID #NYD049836679). The IDW shipment and disposal was performed in accordance with applicable regulations/guidelines. Copies of the waste manifests are included in Appendix C. A photo log of the IDW removal is included in Appendix D.

Attachments:

Tables

Table 1: Summary of Detected Groundwater Analytical Results

Figures

- Figure 1: Groundwater Sample Locations
- Figure 2: VOC Detections Exceeding Class GA Groundwater Standards
- Figure 3: Total VOC Isoconcentration Contours
- Figure 4: Total Chlorinated VOC Isoconcentration Contours

Appendices

- Appendix A: Well Purge Logs and Field Notes
- Appendix B: Data Usability Summary Report
- Appendix C: IDW Manifests
- Appendix D: IDW Disposal Photo Log

Mr. David J. Chiusano, Project Manager
April 5, 2005
Continued – page 4

Should you have any questions or comments, please do not hesitate to contact me at 716-856-5636.

Sincerely,

URS Corporation

Signature of Charles Dusel Jr.

Charles E. Dusel, Jr.
Sr. Project Manager

Attachments

cc: File: 05.35388 (C-1) (11173258)

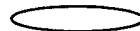
TABLES

TABLE 1
SUMMARY OF DETECTED GROUNDWATER ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			MW-01	MW-03	MW-04	MW-05D	MW-07S
Sample ID			MW-01	MW-03	MW-04	MW-05D	MW-07S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/22/04	10/21/04	10/21/04	10/21/04	10/21/04
Parameter	Units	Criteria*					
Volatiles							
Vinyl Chloride	UG/L	2	10 U	310 J	10 U	200 U	10 U
Trichloroethene	UG/L	5	4 J	98 J	10	1,100	10 U
Benzene	UG/L	1	10 U	400 U	10 U	200 U	10 U
Tetrachloroethene	UG/L	5	15	50 J	17	2,900	10 U
Ethylbenzene	UG/L	5	10 U	400 U	10 U	200 U	10 U
Xylene (Total)	UG/L	5	10 U	400 U	10 U	200 U	10 U
cis-1,2-Dichloroethene	UG/L	5	30	5,000	12	480	7 J
Methyl tert-Butyl Ether	UG/L	10	10 U	400 U	20	200 U	5 J
Methylcyclohexane	UG/L	-	10 U	400 U	10 U	200 U	10 U
Cyclohexane	UG/L	-	10 U	400 U	10 U	200 U	2 J
Isopropylbenzene	UG/L	-	10 U	400 U	10 U	200 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.Revised April 2000, Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

J - The analyte was positively identified, the quantitation is an estimation.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 1
SUMMARY OF DETECTED GROUNDWATER ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID			MW-08S	MW-09S	MW-12S	MW-16S	MW-19S
Sample ID			MW-08S	MW-09S	MW-12S	MW-16S	MW-19S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			10/22/04	10/22/04	12/29/04	10/22/04	10/22/04
Parameter	Units	Criteria*					
Volatiles							
Vinyl Chloride	UG/L	2	10 U				
Trichloroethene	UG/L	5	10 U				
Benzene	UG/L	1	5 J	10 U	10 U	10 U	10 U
Tetrachloroethene	UG/L	5	10 U	10 U	10 U	10 U	6 J
Ethylbenzene	UG/L	5	49	10 U	10 U	10 U	10 U
Xylene (Total)	UG/L	5	67	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	UG/L	5	10 U				
Methyl tert-Butyl Ether	UG/L	10	10 U				
Methylcyclohexane	UG/L	-	76	10 U	10 U	10 U	10 U
Cyclohexane	UG/L	-	68	10 U	10 U	10 U	10 U
Isopropylbenzene	UG/L	-	8 J	10 U	10 U	10 U	10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Revised April 2000, Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

J - The analyte was positively identified, the quantitation is an estimation.

Only Detected Results Reported.

Detection Limits shown are MDL

TABLE 1
SUMMARY OF DETECTED GROUNDWATER ANALYTICAL RESULTS
NORTH FRANKLIN ST. SITE

Location ID	MW-20S	
Sample ID	MW-20S	
Matrix	Groundwater	
Depth Interval (ft)	-	
Date Sampled	10/22/04	
Parameter	Units	Criteria*
Volatiles		
Vinyl Chloride	UG/L	2 1 J
Trichloroethene	UG/L	5 20
Benzene	UG/L	1 10 U
Tetrachloroethene	UG/L	5 73
Ethylbenzene	UG/L	5 10 U
Xylene (Total)	UG/L	5 10 U
cis-1,2-Dichloroethene	UG/L	5 170
Methyl tert-Butyl Ether	UG/L	10 2 J
Methylcyclohexane	UG/L	- 10 U
Cyclohexane	UG/L	- 10 U
Isopropylbenzene	UG/L	- 10 U

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Revised April 2000, Class GA.

Flags assigned during chemistry validation are shown.

() Concentration Exceeds Criteria

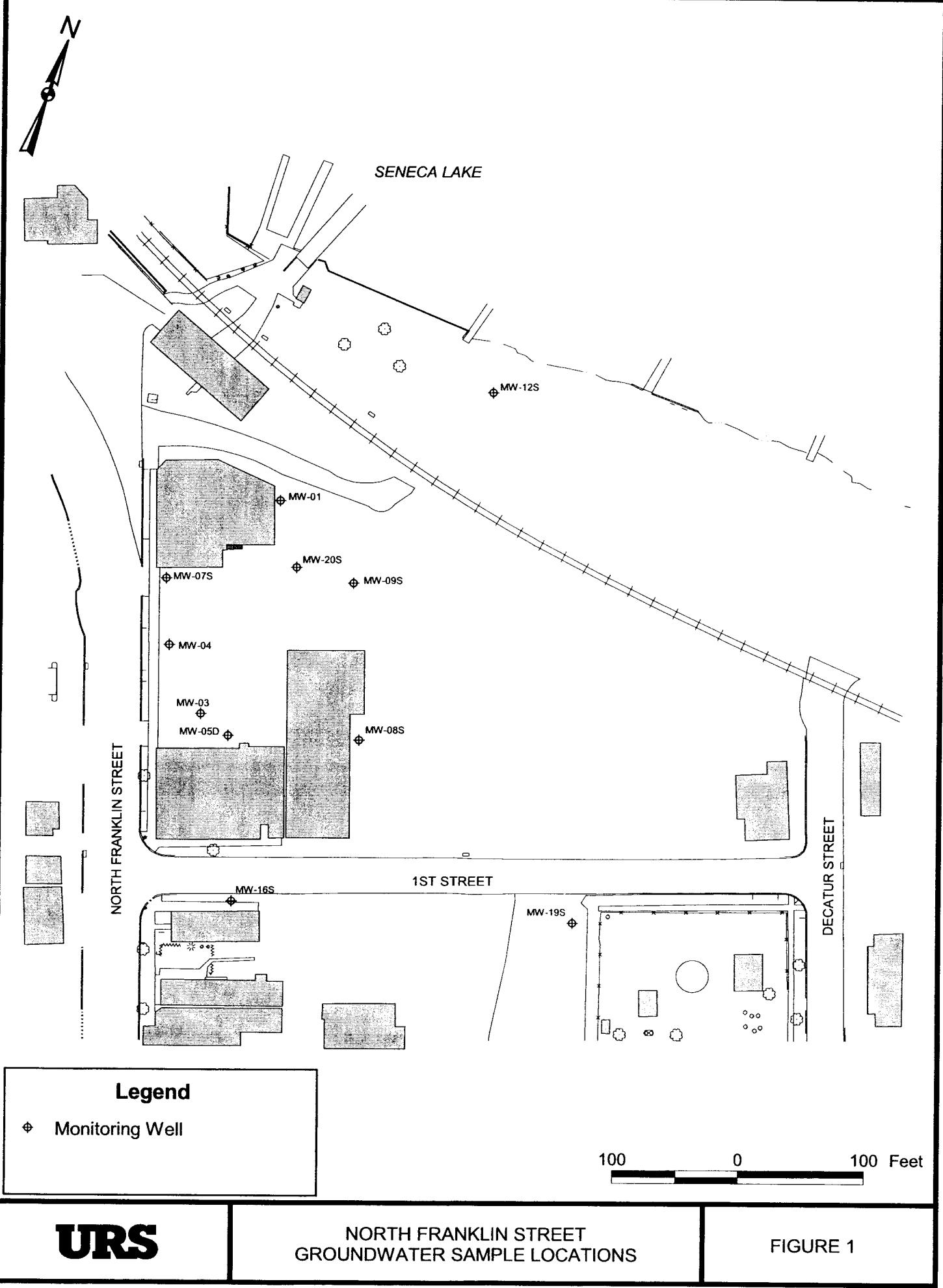
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

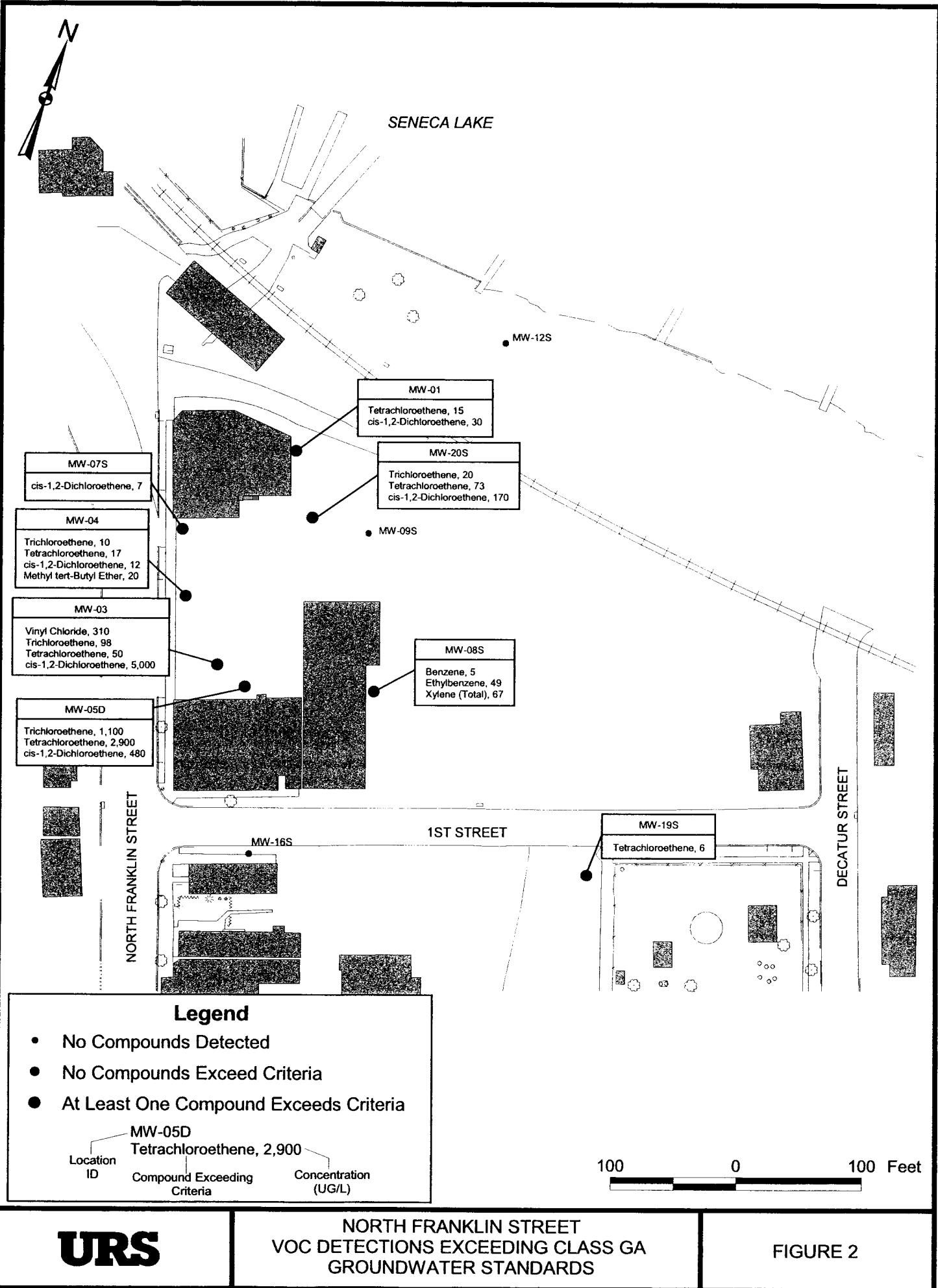
J - The analyte was positively identified, the quantitation is an estimation.

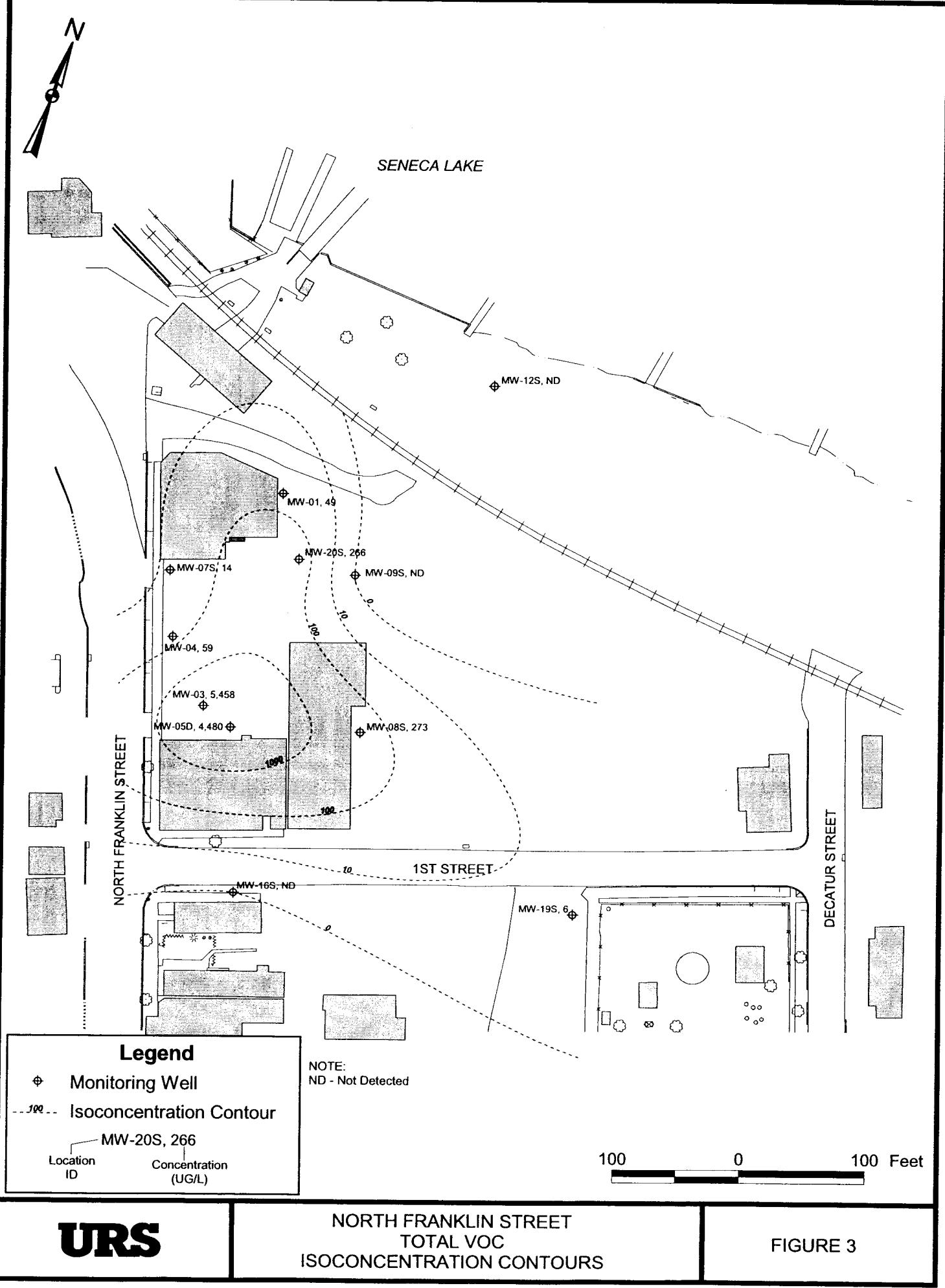
Only Detected Results Reported.

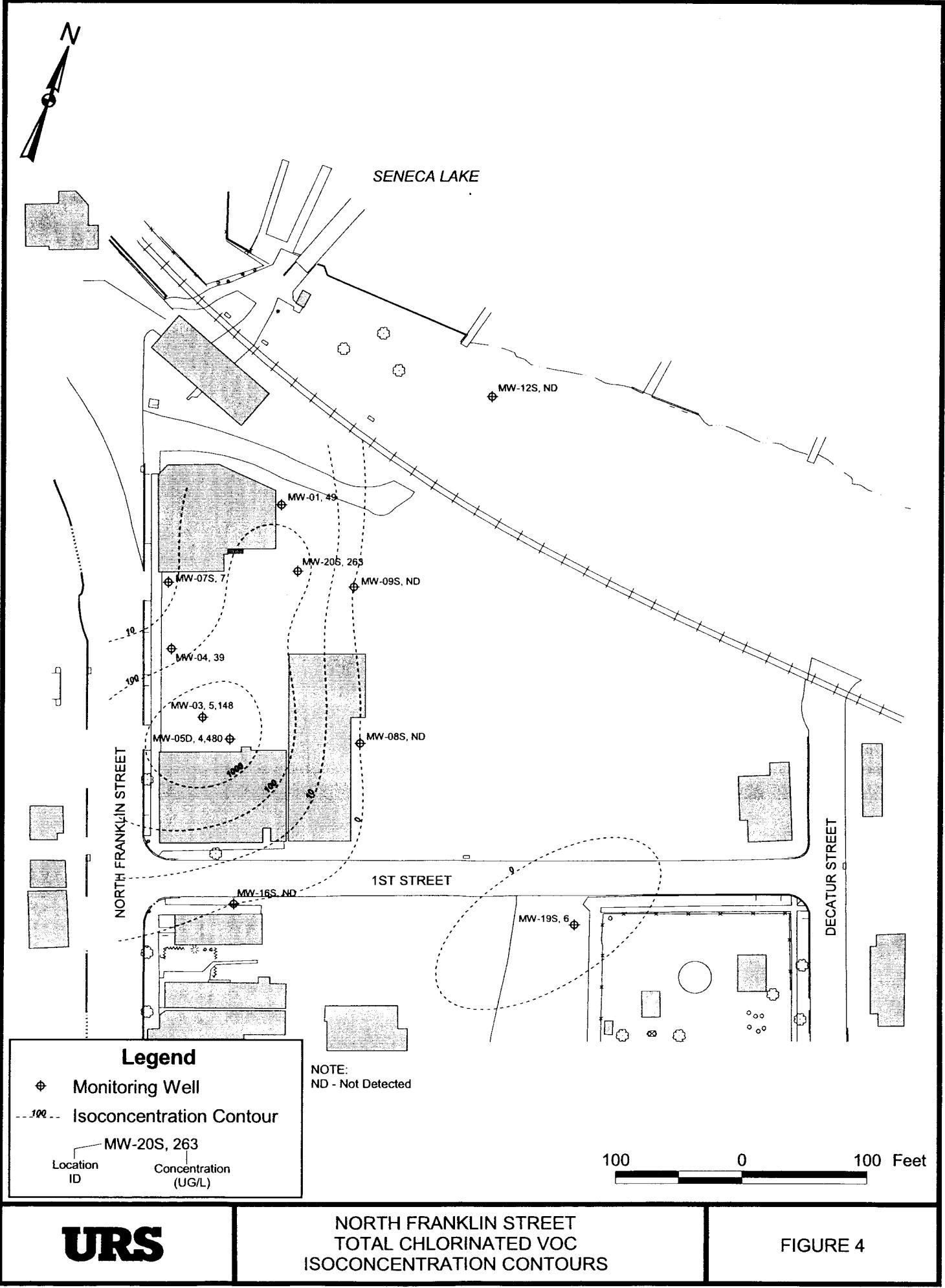
Detection Limits shown are MDL

FIGURES









APPENDIX A

WELL PURGE LOGS AND FIELD NOTES

WELL PURGING AND SAMPLING LOG

URS

PROJECT TITLE:	NYSDEC - 20 N. Franklin St., Watkins Glen, NY	WELL NO.:	MW-01
PROJECT NO.:	11173258.61000	TIMES: START PURGE-	8:33
STAFF:	Kevin J. McGovern	END PURGE-	8:48
DATE (S):	10/22/04	SAMPLE:	8:55
PURGING METHOD:	Disposable HDPE bailer and poly twine		
SAMPLING METHOD:	Disposable HDPE bailer and poly twine		

SCREENED INTERVAL OF WELL FROM CONSTRUCTION LOG (depths below top of riser) = approximately _____

1. WELL DEPTH- BELOW TOP OF RISER (BTOR) (FEET)	=	11.90
2. WATER LEVEL- BELOW TOP OF RISER (FEET)	=	5.45
3. VOLUME OF WATER IN WELL (#2 X 0.17) (GAL.)	=	1.10 WELL I.D. VOL. (GAL/FT) 2" 0.17
4. TOTAL VOLUME OF WATER TO BE REMOVED (#3 X 3) (GAL.)	=	3.3
5. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	4.3

PARAMETERS	WELL VOLUMES PURGED (TOTAL GALLONS PURGED)						SAMPLE	INSTRUMENT I.D./DESCRIPTION
	BAILER							
	0 (init.)	1 (1)	2 (2)	3 (3)	4 (4)	5 ()	6 ()	
pH	6.14	5.82	5.83	5.83	5.84			5.84 Horiba U-10 Water Quality Checker
COND. (ms/cm)	1.06	1.83	1.77	1.74	1.75			1.76 Horiba U-10 Water Quality Checker
DO (mg/l)	2.84	1.47	1.50	1.55	1.52			1.55 Horiba U-10 Water Quality Checker
TEMPERATURE (°C)	14.4	14.9	14.6	14.9	14.9			14.9 Horiba U-10 Water Quality Checker
TURBIDITY (NTU)	63	100	187	85	61			50 LaMotte 2020 Turbidity Meter
WATER LEVEL (BTOR-feet)	NA	NA	NA	NA	NA			NA Solinst
TIME	8:34	8:37	8:40	8:44	8:48			8:55 Watch
COMMENTS:	- Sample parameters: VOCs (EPA 8270B TCL) - QA/QC: None							

WELL PURGING AND SAMPLING LOG

URS

PROJECT TITLE:	NYSDEC - 20 N. Franklin St., Watkins Glen, NY						WELL NO.:	MW-03
PROJECT NO.:	11173258.61000						TIMES. START PURGE-	14:45
STAFF:	Kevin J. McGovern						END PURGE-	15.01
DATE (S):	10/21/04						SAMPLE-	15.05
PURGING METHOD:	Disposable HDPE bailer and poly twine							
SAMPLING METHOD:	Disposable HDPE bailer and poly twine							
SCREENED INTERVAL OF WELL FROM CONSTRUCTION LOG (depths below top of riser) =							approximately _____	
1. WELL DEPTH- BELOW TOP OF RISER (BTOR) (FEET)	= 12.75							
2. WATER LEVEL- BELOW TOP OF RISER (FEET)	= 5.92							
3. VOLUME OF WATER IN WELL (#2 X 0.17) (GAL.)	= 1.16						WELL I.D.	VOL. (GAL/FT)
4. TOTAL VOLUME OF WATER TO BE REMOVED (#3 X 3) (GAL.)	= 3.5						2"	0.17
5. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	= 5.0							
PARAMETERS	WELL VOLUMES PURGED (TOTAL GALLONS PURGED)						SAMPLE	INSTRUMENT I.D./DESCRIPTION
	BAILER							
0 (init.)	1 (1)	2 (2)	3 (3)	4 (4)	5 ()	6 ()		
pH	6.26	6.05	6.00	6.01	6.01		6.01	Horiba U-10 Water Quality Checker
COND. (ms/cm)	1.35	1.36	1.58	1.58	1.59		1.58	Horiba U-10 Water Quality Checker
DO (mg/l)	2.54	1.19	0.97	1.06	1.05		1.04	Horiba U-10 Water Quality Checker
TEMPERATURE (°C)	16.1	16.4	16.4	16.4	16.4		16.4	Horiba U-10 Water Quality Checker
TURBIDITY (NTU)	93	956	>999	>999	>999		>999	LaMotte 2020 Turbidity Meter
WATER LEVEL (BTOR-feet)	NA	NA	NA	NA	NA		NA	Solinst
TIME	14:46	14:50	14:54	14:58	15:01		15:07	Watch
COMMENTS:	- Sample parameters: VOCs (EPA 8270B TCL) Gray purgewater with slight odor - QA/QC: None							

WELL PURGING AND SAMPLING LOG

URS

PROJECT TITLE:	NYSDEC - 20 N. Franklin St., Watkins Glen, NY	WELL NO.:	MW-04
PROJECT NO.:	11173258.61000	TIMES: START PURGE- 15:20	
STAFF:	Kevin J. McGovern	END PURGE- 15:44	
DATE (S):	10/21/04	SAMPLE: 15:50	
PURGING METHOD:	Disposable HDPE bailer and poly twine		
SAMPLING METHOD:	Disposable HDPE bailer and poly twine		

SCREENED INTERVAL OF WELL FROM CONSTRUCTION LOG (depths below top of riser) = approximately _____

1. WELL DEPTH- BELOW TOP OF RISER (BTOR) (FEET)	=	11.60
2. WATER LEVEL- BELOW TOP OF RISER (FEET)	=	4.71
3. VOLUME OF WATER IN WELL (#2 X 0.17) (GAL.)	=	1.17 WELL I.D. VOL. (GAL/FT) 2" 0.17
4. TOTAL VOLUME OF WATER TO BE REMOVED (#3 X 3) (GAL.)	=	3.5
5. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	4.0

PARAMETERS	WELL VOLUMES PURGED (TOTAL GALLONS PURGED)						SAMPLE	INSTRUMENT I.D./DESCRIPTION		
	BAILER									
	0 (init.)	1 (1)	2 (2)	3 (3)	4 (4)	5 ()				
pH	6.43	6.14	6.08	6.10	6.15		6.12	Horiba U-10 Water Quality Checker		
COND. (ms/cm)	1.31	1.55	1.84	1.93	1.97		1.99	Horiba U-10 Water Quality Checker		
DO (mg/l)	1.33	1.44	1.45	1.49	1.50		1.48	Horiba U-10 Water Quality Checker		
TEMPERATURE (°C)	16.0	15.7	14.7	14.2	14.8		14.6	Horiba U-10 Water Quality Checker		
TURBIDITY (NTU)	98	494	473	>999	>999		>999	LaMotte 2020 Turbidity Meter		
WATER LEVEL (BTOR-feet)	NA	NA	NA	NA	NA		NA	Solinst		
TIME	15:23	15:28	15:32	15:38	15:44		15:50	Watch		
COMMENTS:	- Sample parameters: VOCs (EPA 8270B TCL) Gray purgewater, sandpack in purgewater - QA/QC: None									

WELL PURGING AND SAMPLING LOG

URS

PROJECT TITLE: NYSDEC - 20 N. Franklin St., Watkins Glen, NY WELL NO.: MW-05D

PROJECT NO.: 11173258.61000 TIMES: START PURGE- 13:26

STAFF: Kevin J. McGovern END PURGE- 14:17

DATE (S): 10/21/04 SAMPLE: 14:25

PURGING METHOD: Disposable HDPE bailer and poly twine

SAMPLING METHOD: Disposable HDPE bailer and poly twine

SCREENED INTERVAL OF WELL FROM CONSTRUCTION LOG (depths below top of riser) = approximately

1. WELL DEPTH- BELOW TOP OF RISER (BTOR) (FEET)	=	29.95		
2. WATER LEVEL- BELOW TOP OF RISER (FEET)	=	5.92		
3. VOLUME OF WATER IN WELL (#2 X 0.17) (GAL.)	=	4.09	WELL I.D.	VOL. (GAL/FT)
4. TOTAL VOLUME OF WATER TO BE REMOVED (#3 X 3) (GAL.)	=	12.3	2"	0.17
5. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	13.0		

PARAMETERS	WELL VOLUMES PURGED (TOTAL GALLONS PURGED)						SAMPLE	INSTRUMENT I.D./DESCRIPTION
	BAILER							
	0 (init.)	1 (3)	2 (6)	3 (9)	4 (12)	5 ()	6 ()	
pH	6.42	6.36	6.50	6.47	6.47			6.48 Horiba U-10 Water Quality Checker
COND. (ms/cm)	5.84	8.83	8.87	8.61	8.65			8.62 Horiba U-10 Water Quality Checker
DO (mg/l)	2.19	2.35	2.01	1.98	2.09			1.99 Horiba U-10 Water Quality Checker
TEMPERATURE (°C)	15.3	13.8	13.7	13.6	13.6			13.6 Horiba U-10 Water Quality Checker
TURBIDITY (NTU)	32	31	54	55	29			35 LaMotte 2020 Turbidity Meter
WATER LEVEL (BTOR-feet)	NA	NA	NA	NA	NA			NA Solinst
TIME	13:23	13:30	13:52	13:59	14:17			14:27 Watch
COMMENTS:	- Sample parameters: VOCs (EPA 8270B TCL) - QA/QC: MD/MSD							

WELL PURGING AND SAMPLING LOG

URS

PROJECT TITLE: NYSDEC - 20 N. Franklin St., Watkins Glen, NY WELL NO.: MW-07S

PROJECT NO.: 11173258.61000 TIMES: START PURGE- 16:09

STAFF: Kevin J. McGovern END PURGE- 16:30

DATE (S): 10/21/04 SAMPLE- 16:40

PURGING METHOD: Disposable HDPE bailer and poly twine

SAMPLING METHOD: Disposable HDPE bailer and poly twine

SCREENED INTERVAL OF WELL FROM CONSTRUCTION LOG (depths below top of riser) = approximately

1. WELL DEPTH- BELOW TOP OF RISER (BTOR) (FEET)	=	16.10		
2. WATER LEVEL- BELOW TOP OF RISER (FEET)	=	5.00		
3. VOLUME OF WATER IN WELL (#2 X 0.17) (GAL.)	=	1.89	WELL I.D.	VOL. (GAL/FT)
4. TOTAL VOLUME OF WATER TO BE REMOVED (#3 X 3) (GAL.)	=	5.7	2"	0.17
5. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	6.5		

PARAMETERS	WELL VOLUMES PURGED (TOTAL GALLONS PURGED)							SAMPLE	INSTRUMENT I.D./DESCRIPTION		
	BAILER										
	0 (init.)	1 (1.5)	2 (3)	3 (4.5)	4 (6)	5 ()	6 ()				
pH	6.59	6.32	6.34	6.35	6.36			6.35	Horiba U-10 Water Quality Checker		
COND. (ms/cm)	2.84	3.07	2.97	3.04	2.94			3.01	Horiba U-10 Water Quality Checker		
DO (mg/l)	2.53	1.09	1.04	1.02	0.90			0.91	Horiba U-10 Water Quality Checker		
TEMPERATURE (°C)	16.4	16.2	15.9	15.3	15.9			15.8	Horiba U-10 Water Quality Checker		
TURBIDITY (NTU)	71	213	366	436	402			430	LaMotte 2020 Turbidity Meter		
WATER LEVEL (BTOR-feet)	NA	NA	NA	NA	NA			NA	Solinst		
TIME	16:11	16:16	16:21	16:26	16:30			16:40	Watch		

- Sample parameters: VOCs (EPA 8270B TCL)

- QA/QC: None

WELL PURGING AND SAMPLING LOG

URS

PROJECT TITLE:	NYSDEC - 20 N. Franklin St., Watkins Glen, NY	WELL NO.:	MW-08S
PROJECT NO.:	11173258.61000	TIMES: START PURGE- 10:07	
STAFF:	Kevin J. McGovern	END PURGE- 10:22	
DATE (S):	10/22/04	SAMPLE: 10:30	
PURGING METHOD:	Disposable HDPE bailer and poly twine		
SAMPLING METHOD:	Disposable HDPE bailer and poly twine		

SCREENED INTERVAL OF WELL FROM CONSTRUCTION LOG (depths below top of riser) = approximately _____

1. WELL DEPTH- BELOW TOP OF RISER (BTOR) (FEET)	=	13.60
2. WATER LEVEL- BELOW TOP OF RISER (FEET)	=	7.78
3. VOLUME OF WATER IN WELL (#2 X 0.17) (GAL.)	=	0.99 WELL I.D. VOL. (GAL/FT) 2" 0.17
4. TOTAL VOLUME OF WATER TO BE REMOVED (#3 X 3) (GAL.)	=	3.0
5. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	4.0

PARAMETERS	WELL VOLUMES PURGED (TOTAL GALLONS PURGED)						SAMPLE	INSTRUMENT I.D./DESCRIPTION
	BAILER							
	0 (init.)	1 (1)	2 (2)	3 (3)	4 (4)	5 ()	6 ()	
pH	6.15	5.79	5.78	5.77	5.74			5.75 Horiba U-10 Water Quality Checker
COND. (ms/cm)	1.15	1.51	1.72	1.70	1.72			1.71 Horiba U-10 Water Quality Checker
DO (mg/l)	3.30	1.00	1.06	1.10	1.02			1.03 Horiba U-10 Water Quality Checker
TEMPERATURE (°C)	14.1	13.6	13.4	14.1	14.3			14.5 Horiba U-10 Water Quality Checker
TURBIDITY (NTU)	340	253	279	335	328			331 LaMotte 2020 Turbidity Meter
WATER LEVEL (BTOR-feet)	NA	NA	NA	NA	NA			NA Solinst
TIME	10:09	10:13	10:16	10:19	10:22			10:30 Watch
COMMENTS:	- Sample parameters: VOCs (EPA 8270B TCL) Red Purgewater, Odor Present - QA/QC: None							

WELL PURGING AND SAMPLING LOG

URS

PROJECT TITLE: NYSDEC - 20 N. Franklin St., Watkins Glen, NY WELL NO.: MW-09S

PROJECT NO.: 11173258.61000 TIMES: START PURGE- 7:55

STAFF: Kevin J. McGovern END PURGE- 8:11

DATE (S): 10/22/04 SAMPLE: 8:15

PURGING METHOD: Disposable HDPE bailer and poly twine

SAMPLING METHOD: Disposable HDPE bailer and poly twine

SCREENED INTERVAL OF WELL FROM CONSTRUCTION LOG (depths below top of riser) = approximately _____

1. WELL DEPTH- BELOW TOP OF RISER (BTOR) (FEET)	=	13.90		
2. WATER LEVEL- BELOW TOP OF RISER (FEET)	=	6.11		
3. VOLUME OF WATER IN WELL (#2 X 0.17) (GAL.)	=	1.32	WELL I.D.	VOL. (GAL/FT)
4. TOTAL VOLUME OF WATER TO BE REMOVED (#3 X 3) (GAL.)	=	4.0	2"	0.17
5. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	5.0		

PARAMETERS	WELL VOLUMES PURGED (TOTAL GALLONS PURGED)							SAMPLE	INSTRUMENT I.D./DESCRIPTION	
	BAILER									
	0 (init.)	1 (1)	2 (2)	3 (3)	4 (4)	5 ()	6 ()			
pH	5.57	5.73	5.79	5.81	5.83			5.85	Horiba U-10 Water Quality Checker	
COND. (ms/cm)	2.01	1.99	1.97	1.97	1.96			1.97	Horiba U-10 Water Quality Checker	
DO (mg/l)	1.15	0.75	1.10	0.99	1.12			1.01	Horiba U-10 Water Quality Checker	
TEMPERATURE (°C)	14.1	14.4	13.9	13.8	13.9			13.9	Horiba U-10 Water Quality Checker	
TURBIDITY (NTU)	407	509	972	>999	>999			>999	LaMotte 2020 Turbidity Meter	
WATER LEVEL (BTOR-feet)	NA	NA	NA	NA	NA			NA	Solinst	
TIME	7:56	8:00	8:04	8:08	8:11			8:15	Watch	
COMMENTS:	- Sample parameters: VOCs (EPA 8270B TCL) - QA/QC: None Rust Colored Purgewater									

WELL PURGING AND SAMPLING LOG

URS

PROJECT TITLE:	NYSDEC - 20 N. Franklin St., Watkins Glen, NY	WELL NO.:	MW-12S
PROJECT NO.:	11173258.61000	TIMES: START PURGE- 7:28	
STAFF:	Kevin J. McGovern	END PURGE- 7:39	
DATE (S):	12/29/04	SAMPLE- 7:45	
PURGING METHOD:	Disposable HDPE bailer and poly twine		
SAMPLING METHOD:	Disposable HDPE bailer and poly twine		

SCREENED INTERVAL OF WELL FROM CONSTRUCTION LOG (depths below top of riser) = approximately _____

1. WELL DEPTH- BELOW TOP OF RISER (BTOR) (FEET)	=	10.80
2. WATER LEVEL- BELOW TOP OF RISER (FEET)	=	5.90
3. VOLUME OF WATER IN WELL (#2 X 0.17) (GAL.)	=	0.83 WELL I.D. VOL. (GAL/FT) 2" 0.17
4. TOTAL VOLUME OF WATER TO BE REMOVED (#3 X 3) (GAL.)	=	2.5
5. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	2.8

PARAMETERS	WELL VOLUMES PURGED (TOTAL GALLONS PURGED)							SAMPLE	INSTRUMENT I.D./DESCRIPTION		
	BAILER										
	0 (init.)	1 (0.5)	2 (1.0)	3 (1.75)	4 (2.5)	5 ()	6 ()				
pH	6.71	6.78	6.91	6.92	6.89			6.93	Horiba U-10 Water Quality Checker		
COND. (ms/cm)	1.52	1.52	1.52	1.53	1.53			1.53	Horiba U-10 Water Quality Checker		
DO (mg/l)	2.72	1.51	1.59	1.38	1.39			1.38	Horiba U-10 Water Quality Checker		
TEMPERATURE (°C)	9.1	9.5	8.6	8.8	9.1			10.2	Horiba U-10 Water Quality Checker		
TURBIDITY (NTU)	>999	>999	>999	>999	>999			>999	LaMotte 2020 Turbidity Meter		
WATER LEVEL (BTOR-feet)	NA	NA	NA	NA	NA			NA	Solinst		
TIME	7:28	7:31	7:34	7:36	7:39			7:45	Watch		
COMMENTS:	- Sample parameters: VOCs (EPA 8270B TCL) - QA/QC: None										
Brown Purgewater											

WELL PURGING AND SAMPLING LOG

URS

PROJECT TITLE: NYSDEC - 20 N. Franklin St., Watkins Glen, NY WELL NO.: MW-16S

PROJECT NO.: 11173258.61000 TIMES: START PURGE- 11:29

STAFF: Kevin J. McGovern END PURGE- 11:42

DATE (S): 10/22/04 SAMPLE: 11:50

PURGING METHOD: Disposable HDPE bailer and poly twine

SAMPLING METHOD: Disposable HDPE bailer and poly twine

SCREENED INTERVAL OF WELL FROM CONSTRUCTION LOG (depths below top of riser) = approximately _____

1. WELL DEPTH- BELOW TOP OF RISER (BTOR) (FEET)	=	14.10		
2. WATER LEVEL- BELOW TOP OF RISER (FEET)	=	6.31		
3. VOLUME OF WATER IN WELL (#2 X 0.17) (GAL.)	=	1.32	WELL I.D.	VOL. (GAL/FT)
4. TOTAL VOLUME OF WATER TO BE REMOVED (#3 X 3) (GAL.)	=	4.0	2"	0.17
5. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	4.5		

PARAMETERS	WELL VOLUMES PURGED (TOTAL GALLONS PURGED)						SAMPLE	INSTRUMENT I.D./DESCRIPTION		
	BAILER									
	0 (init.)	1 (1)	2 (2)	3 (3)	4 (4)	5 ()				
pH	6.02	5.92	5.95	5.96	5.98		5.97	Horiba U-10 Water Quality Checker		
COND. (ms/cm)	2.46	2.49	2.15	2.15	2.13		2.14	Horiba U-10 Water Quality Checker		
DO (mg/l)	1.45	0.95	1.12	1.13	1.15		1.14	Horiba U-10 Water Quality Checker		
TEMPERATURE (°C)	15.0	15.4	15.4	15.5	15.5		15.6	Horiba U-10 Water Quality Checker		
TURBIDITY (NTU)	173	>999	>999	>999	>999		>999	LaMotte 2020 Turbidity Meter		
WATER LEVEL (BTOR-feet)	NA	NA	NA	NA	NA		NA	Solinst		
TIME	11:30	11:33	11:36	11:39	11:42		11:50	Watch		
COMMENTS:	- Sample parameters: VOCs (EPA 8270B TCL) - QA/QC: None Rust Colored Purgewater									

WELL PURGING AND SAMPLING LOG

URS

PROJECT TITLE: NYSDEC - 20 N. Franklin St., Watkins Glen, NY WELL NO.: MW-19S

PROJECT NO.: 11173258.61000 TIMES: START PURGE- 10:43

STAFF: Kevin J. McGovern END PURGE- 10:57

DATE (S): 10/22/04 SAMPLE- 11:05

PURGING METHOD: Disposable HDPE bailer and poly twine

SAMPLING METHOD: Disposable HDPE bailer and poly twine

SCREENED INTERVAL OF WELL FROM CONSTRUCTION LOG (depths below top of riser) = approximately _____

1. WELL DEPTH- BELOW TOP OF RISER (BTOR) (FEET)	=	13.89		
2. WATER LEVEL- BELOW TOP OF RISER (FEET)	=	5.93		
3. VOLUME OF WATER IN WELL (#2 X 0.17) (GAL.)	=	1.35	WELL I.D.	VOL. (GAL/FT)
4. TOTAL VOLUME OF WATER TO BE REMOVED (#3 X 3) (GAL.)	=	4.1	2"	0.17
5. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	4.5		

PARAMETERS	WELL VOLUMES PURGED (TOTAL GALLONS PURGED)							SAMPLE	INSTRUMENT I.D./DESCRIPTION	
	BAILER									
	0 (init.)	1 (1)	2 (2)	3 (3)	4 (4)	5 ()	6 ()			
pH	6.35	5.97	5.87	5.83	5.82			5.80	Horiba U-10 Water Quality Checker	
COND. (ms/cm)	1.16	1.17	1.18	1.18	1.18			1.18	Horiba U-10 Water Quality Checker	
DO (mg/l)	0.95	0.90	1.20	1.21	1.18			1.18	Horiba U-10 Water Quality Checker	
TEMPERATURE (°C)	14.8	13.9	14.1	14.7	15.0			15.5	Horiba U-10 Water Quality Checker	
TURBIDITY (NTU)	229	>999	>999	>999	>999			>999	LaMotte 2020 Turbidity Meter	
WATER LEVEL (BTOR-feet)	NA	NA	NA	NA	NA			NA	Solinst	
TIME	10:44	10:47	10:51	10:54	10:57			11:05	Watch	

- Sample parameters: VOCs (EPA 8270B TCL)

- QA/QC: None

WELL PURGING AND SAMPLING LOG

URS

PROJECT TITLE: NYSDEC - 20 N. Franklin St., Watkins Glen, NY WELL NO.: MW-20S

PROJECT NO.: 11173258.61000 TIMES: START PURGE- 9:12

STAFF: Kevin J. McGovern END PURGE- 9:29

DATE (S): 10/22/04 SAMPLE- 9:35

PURGING METHOD: Disposable HDPE bailer and poly twine

SAMPLING METHOD: Disposable HDPE bailer and poly twine

SCREENED INTERVAL OF WELL FROM CONSTRUCTION LOG (depths below top of riser) = approximately _____

1. WELL DEPTH- BELOW TOP OF RISER (BTOR) (FEET)	=	17.40		
2. WATER LEVEL- BELOW TOP OF RISER (FEET)	=	5.62		
3. VOLUME OF WATER IN WELL (#2 X 0.17) (GAL.)	=	2.00	WELL I.D.	VOL. (GAL/FT)
4. TOTAL VOLUME OF WATER TO BE REMOVED (#3 X 3) (GAL.)	=	6.0	2"	0.17
5. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	6.5		

PARAMETERS	WELL VOLUMES PURGED (TOTAL GALLONS PURGED)						SAMPLE	INSTRUMENT I.D./DESCRIPTION		
	BAILER									
	0 (init.)	1 (1.5)	2 (3)	3 (4.5)	4 (6)	5 ()				
pH	6.50	5.75	5.71	5.70	5.70		5.71	Horiba U-10 Water Quality Checker		
COND. (ms/cm)	0.33	1.20	1.40	1.45	1.45		1.45	Horiba U-10 Water Quality Checker		
DO (mg/l)	2.16	1.10	1.09	1.09	1.11		1.09	Horiba U-10 Water Quality Checker		
TEMPERATURE (°C)	16.2	15.7	15.5	15.5	15.5		15.5	Horiba U-10 Water Quality Checker		
TURBIDITY (NTU)	97	889	717	527	532		525	LaMotte 2020 Turbidity Meter		
WATER LEVEL (BTOR-feet)	NA	NA	NA	NA	NA		NA	Solinst		
TIME	9:12	9:17	9:21	9:25	9:29		9:35	Watch		
COMMENTS:	- Sample parameters: VOCs (EPA 8270B TCL) Brown Colored Purgewater - QA/QC: None									

URS

CONSULTANTS, INC

77 Goodell Street

DATE 10/21/04

Buffalo, New York 14203
(716) 856-5636

DAY	S	M	T	W	TH	F	S
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DAILY CONSTRUCTION REPORT

PROJECT: NYSDEC N Franklin

OWNER: NYSDEC

CONTRACT No.

CONTRACTOR

URS JOB No. 11173258

URS PROJECT MANAGER: Peter Ausix

WEATHER	Bright Sun	Clear	<u>Overcast</u>	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	<u>Still</u>	Moder	High	Report No.	
HUMIDITY	Dry	Moder		<u>Humid</u>	

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks

VISITORS

Time	Representing	Representing	Remarks

EQUIPMENT AT THE SITE T51 VELOCIMETER 8340, Handi U-10, carton 2020,
SWINST.

CONSTRUCTION ACTIVITIES

09:10 - KTM ON SITE, BOOM UNLOADING FINEY DRAWS
09:20 - SAM SCAFF ON SITE (CONCRETE), STARTED AIR COMPRESSOR SEE LOGS, SAM SCAFF HAD NO ISSUE w/ TREATMENT SYSTEM OTHER THAN ELECTRIC WIRE
10:10 - CROCKED SOIL GAS SYSTEM, OPERATING PROPERLY, EXPULSING SOIL GAS @ 940CF/MIN, LANDLORD HAD NO ISSUE w/ SVG SYSTEM OPERATION
10:30 - FINISHED SAMPLING SOIL GAS, BOOM TO SAM NEW
11:10 - " SAMADING MWS, MWS 03 & 055 ACTUALLY SVG MWS GROUTED. CONTRACTORS AREMAKING SIDEWALK AT PIGEON PUT NEW CEMENT AROUND MWS, HOWEVER, CAN'T ALCOHOL WASH VIA HAND TOOLS / LUNCH
12:30 - AT SITE PREPARED FOR MW SAMPLING
13:14 - BOGAN MW SAMPLING
13:34 - FINISHED SURFACE SAMPLING, RESUMED MW SAMPLING
16:45 - FINISHED SAMPLING MWS, 050, 03, 04 & 075. CANCEL OFFICE

SHEET 1 OF 7

X - designates info on
backside of page

BY _____ TITLE _____
REVIEWED BY: _____ PROJECT MANAGER

DAILY CONSTRUCTION REPORT (cont'd)

REPORT No. _____

PROJECT: NYS OGC N. Franklin
CONTRACT No.
URS JOB No. 1473258

DATE 10/21/04

CONSTRUCTION ACTIVITIES (cont'd)

16.55 - BOSAN CLEANUP
17.20 - FMS5460 CLEANUP LEFT SITE, WILL RETURN ON 10/22 @ 07:45

SHEET 2 OF 3

BY _____ TITLE _____
REVIEWED BY: _____ PROJECT MANAGER _____

DAILY CONSTRUCTION REPORT (cont'd)

REPORT No. _____

PROJECT: NYSIG N Franklin

CONTRACT No. _____

URS JOB No. 11173258DATE 10/21/04

CONSTRUCTION ACTIVITIES (cont'd)

WELL ID	DTW (ft)	DEB (ft)	Comments	Min Sand Vol
MW-0*	5.45	11.90	HARD	3.3 GAC
MW-03	5.80	12.75	HARD	3.5 GAC
MW-04	4.71	11.60	SUF 1	3.5
MW-05				
MW-05D	5.92	22.95	HARD	12.3
MW-06				
MW-07S	5.00	16.10	HARD	5.7
MW-08S	13.10	12.72	"	22.70
MW-09S	6.10	13.90	HARD	4.0
MW-10S	6.30	14.10	"	4.0
MW-19S	5.92	13.80	SUF	4.0
MW-20S	5.60	17.40	SOFT	6.0

SHEET 3 OF 3BY _____ TITLE _____
REVIEWED BY _____ PROJECT MANAGER

URS

CONSULTANTS, INC

77 Goodell Street

DATE 10/22/04

Buffalo, New York 14203
(716) 856-5636

DAY	S	M	T	W	TH	F	S
-----	---	---	---	---	----	---	---

DAILY CONSTRUCTION REPORT

PROJECT: NYSDEC NFS

OWNER: NYSDEC

CONTRACT No.

CONTRACTOR

URS JOB No. 11173256

URS PROJECT MANAGER: Frank Duxo

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
	To 32	32-50	50-70	70-85	85 and up
TEMP	Still	Moder	High	Report No.	
	Dry	Moder		Humid	

AVERAGE FIELD FORCE

Name of Contractor	Non-manual	Manual	Remarks
VISITORS			
Time	Representing	Representing	Remarks

EQUIPMENT AT THE SITE 11MMA 11-10, TOWER CRANE #240, SIGHT, LAMPIC 2020

CONSTRUCTION ACTIVITIES

07:30 - KICK OFF SITE. PREPARATION MW SAMPLING
 11:50 - FINISHED SAMPLING ALL MW, CARGO OFFICE
 11:55 - BOAT CIGAR-UP. 2 DRUMS OF PUNGENTATION GONE
 DRUM #1: MW-015, 03, 04, 075, 01, 095 + 205
 DRUM #2: MW-085, 195 + 165
 12:40 - FINISHED CIGAR-UP - LEFT SITE

SHEET 1 OF 1

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BY _____ TITLE _____
REVIEWED BY: _____ PROJECT MANAGER

URS

CORPORATION, INC

77 Goodell Street

DATE 14/29/04

**Buffalo, New York 14203
(716) 856-5636**

DAY S M T W TH F S

DAILY CONSTRUCTION REPORT

PROJECT: *N-5022 WEST*

OWNER -

CONTRACT No.

CONTRACTOR

CONTRACTOR
HRS. 168 M.

URS JOB NO. 77771258 8/27/00
MATERIALS

URS PROJECT MANAGER: Carrie Giese

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
TEMP	To 32	32-50	50-70	70-85	85 and up
WIND	Still	Moder	High	Report No.	
HUMIDITY	Dry	Moder	Humid		

AVERAGE FIELD FORCE			
Name of Contractor	Non-manual	Manual	Remarks
Frank's Vacuum		X	

VISITORS			
Time	Representing	Representing	Remarks

EQUIPMENT AT THE SITE ~~Hearne U-10, LAMM 2020, SIGHTS, TSI VERSICHECK 8340, -~~
~~Hand Tools~~

CONSTRUCTION ACTIVITIES

06:50 KTM ON-SITE BEGAN SAMPLING MON-125, DEBRIS IN CREEK RUMBO & SORNOA COE

OT-48 - Francesco Sampling plot 125, Mean summer Gossypio, Vassouras, IN
Seasonal variation in spring stage

08:15- REEFSH (FARROW's Uge) on site, Truck #66 / Train # 123-13

0819 - Lassiter Davis w/ HAZ WASTE (DOING DOYD)
22194-7 - General 100-60 Environmental Management - MC CITY

09104 - PHASE I LOADS FROM VACUUM OFF-SITE
09-08- SVR SYSTEM FOR OPERATING POWER EXCHANGING GAS TO X-90-6

Buizinge Aranomas

12-23 FIN-SKED 2019-04-01 00:00:00 OFF:LG

1210 KOMM OFF-SITE 1

SHEET / OF /

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BY *A. J. M.*

~~REVIEWED BY~~

TITLE *Cosmo*

PROJECT MANAGER

APPENDIX B

DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

**GROUNDWATER MONITORING
NORTH FRANKLIN STREET SITE
WATKINS GLEN, NY**

Analyses Performed by:

**MITKEM CORPORATION
WARWICK, RI 02886**

Prepared by:

**URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203**

JANUARY 2005

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III. DATA DELIVERABLE COMPLETENESS	2
IV. PRESERVATION/HOLDING TIMES/SAMPLE RECEIPT	2
V. NON-CONFORMANCES	2
VI. SAMPLE RESULTS AND REPORTING	3
VII. SUMMARY	3

TABLES

(Following Text)

- Table 1 Summary of Data Qualifications
Table 2 Validated Groundwater Sample Results
Table 3 Validated Field QC Sample Results

APPENDICES

- Appendix A – Support Documentation
Appendix B – Validated Sample Reporting Forms

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated June 1999. The results from laboratory analyses of samples collected during the groundwater monitoring program at the North Franklin Street Site are discussed in this DUSR.

II. ANALYTICAL METHODOLOGIES

The groundwater data being evaluated is from the October 21-22, 2004 and December 29, 2004 sampling of eleven groundwater samples, one matrix spike/matrix spike duplicate (MS/MSD) pair, and two trip blanks. The analytical laboratory that performed the analyses is Mitkem Corporation (Warwick, RI). The samples were analyzed for target compound list (TCL) Volatile Organic Compounds (VOCs) following United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) Statement of Work (SOW) OLMO4.3.

Data validation was performed following the guidelines in the reference method and USEPA *Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review*, EPA-540-R-99-008, October 1999.

Qualifications applied to the data include "J/UJ" (estimated concentration/estimated quantitation limit) and "U" (not detected). Definitions of USEPA data qualifiers are presented at the end of this text. A summary of data qualifications is presented on Table 1. The validated analytical results are presented on Tables 2 and 3. Documentation supporting the qualification of data is presented in Appendix A. Copies of the validated laboratory results (i.e., sample reporting forms) are presented in Appendix B. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

NYSDEC Category B deliverable data packages were provided by the laboratory.

IV. PRESERVATION/HOLDING TIMES/SAMPLE RECEIPT

All samples were received by the laboratory intact, properly preserved and under proper chain-of-custody, and all were analyzed within the required holding times.

V. NON-CONFORMANCES

- Blanks

Methylene chloride was detected in one or more of the VOC method blanks/trip blanks. The results for methylene chloride in the samples listed on Table 1 were qualified "U" because the concentration detected in the associated samples were less than ten times the concentration detected in the method blanks.

Documentation supporting the qualification of data (i.e., Form 4, method blank Form 1) is presented in Appendix A.

- Continuing Calibration Standard

The percent difference between the average relative response factor (RRF) in the initial calibration and the RRF in one or more of the continuing calibration (CCAL) standards exceeded the QC limit for acetone, 4-methyl-2-pentanone, 2-hexanone, and/or 2-butanone. The results for these compounds in the samples listed on Table 1 were qualified "UJ."

Documentation supporting the qualification of data (i.e., Form 5, Form 7) is presented in Appendix A.

VI. SAMPLE RESULTS AND REPORTING

All quantitation/reporting limits were reported in accordance with method requirements and were adjusted for sample size and dilution factors.

Sample MW-03W was analyzed at a dilution of forty and sample MW-05D was analyzed at a dilution of twenty due to the elevated levels of target compounds present. The detection limits reported for the non-detect compounds are the lowest possible at the dilutions utilized.

VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified "UJ" are considered conditionally usable. All other sample results are usable as reported.

Prepared By: Ann Marie Kropovitch, Chemist *AMK* Date: 1/20/05

Reviewed By: George Kisluk, Senior Chemist *GK* Date: 1/20/05

DEFINITIONS OF USEPA DATA QUALIFIERS

- U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
- J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
- UJ – The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
- R – The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.

TABLE 1
SUMMARY OF DATA QUALIFICATIONS

SAMPLE ID	FRACTION	ANALTICAL DEVIATION	QUALIFICATION
MW-01, MW-03, MW-04, MW-05D, MW-07S, MW- 16S, MW-19S	Volatile Organic Compounds (VOCs)	Sample concentration of methylene chloride less than ten times associated blank concentration.	Qualify sample result “U” at the contract required quantitation limit (CRQL).
MW-01, MW-04, MW-07S, MW-08S, MW-09S, MW- 16S, MW-19S, TB	VOCs	CCAL %D > 25% for acetone.	Qualify non-detects “UJ.”
MW-03, MW-05D	VOCs	CCAL %D > 25% for acetone, 4-methyl-2- pentanone, and 2-hexanone.	Qualify non-detects “UJ.”
MW-20S	VOCs	CCAL %D > 25% for 2- butanone.	Qualify non-detects “UJ.”

TABLE 2
VALIDATED GROUNDWATER SAMPLE RESULTS
NORTH FRANKLIN ST. SITE

Location ID		MW-01	MW-03	MW-04	MW-05D	MW-07S
Sample ID		MW-01	MW-03	MW-04	MW-05D	MW-07S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		10/22/04	10/21/04	10/21/04	10/21/04	10/21/04
Parameter	Units					
Volatiles						
Chloromethane	UG/L	10 U	400 U	10 U	200 U	10 U
Bromomethane	UG/L	10 U	400 U	10 U	200 U	10 U
Vinyl Chloride	UG/L	10 U	310 J	10 U	200 U	10 U
Chloroethane	UG/L	10 U	400 U	10 U	200 U	10 U
Methylene Chloride	UG/L	10 U	400 U	10 U	200 U	10 U
Acetone	UG/L	10 UJ	400 UJ	10 UJ	200 UJ	10 UJ
Carbon Disulfide	UG/L	10 U	400 U	10 U	200 U	10 U
1,1-Dichloroethene	UG/L	10 U	400 U	10 U	200 U	10 U
1,1-Dichloroethane	UG/L	10 U	400 U	10 U	200 U	10 U
2-Butanone	UG/L	10 U	400 U	10 U	200 U	10 U
Chloroform	UG/L	10 U	400 U	10 U	200 U	10 U
1,2-Dichloroethane	UG/L	10 U	400 U	10 U	200 U	10 U
1,1,1-Trichloroethane	UG/L	10 U	400 U	10 U	200 U	10 U
Carbon Tetrachloride	UG/L	10 U	400 U	10 U	200 U	10 U
Bromodichloromethane	UG/L	10 U	400 U	10 U	200 U	10 U
1,2-Dichloropropane	UG/L	10 U	400 U	10 U	200 U	10 U
cis-1,3-Dichloropropene	UG/L	10 U	400 U	10 U	200 U	10 U
Trichloroethene	UG/L	4 J	98 J	10	1100	10 U
Trichlorofluoromethane	UG/L	10 U	400 U	10 U	200 U	10 U
Benzene	UG/L	10 U	400 U	10 U	200 U	10 U
Dibromochloromethane	UG/L	10 U	400 U	10 U	200 U	10 U
trans-1,3-Dichloropropene	UG/L	10 U	400 U	10 U	200 U	10 U
1,1,2-Trichloroethane	UG/L	10 U	400 U	10 U	200 U	10 U
Bromoform	UG/L	10 U	400 U	10 U	200 U	10 U

Flags assigned during chemistry validation are shown.

Made by Anne K. V. 18/05
Check by DKL 11/05

TABLE 2
VALIDATED GROUNDWATER SAMPLE RESULTS
NORTH FRANKLIN ST. SITE

Location ID		MW-01	MW-03	MW-04	MW-05D	MW-07S
Sample ID		MW-01	MW-03	MW-04	MW-05D	MW-07S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		10/22/04	10/21/04	10/21/04	10/21/04	10/21/04
Parameter	Units					
Volatiles						
4-Methyl-2-Pentanone	UG/L	10 U	400 UJ	10 U	200 UJ	10 U
2-Hexanone	UG/L	10 U	400 UJ	10 U	200 UJ	10 U
Tetrachloroethene	UG/L	15	50 J	17	2900	10 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	400 U	10 U	200 U	10 U
Toluene	UG/L	10 U	400 U	10 U	200 U	10 U
Chlorobenzene	UG/L	10 U	400 U	10 U	200 U	10 U
Ethylbenzene	UG/L	10 U	400 U	10 U	200 U	10 U
Styrene	UG/L	10 U	400 U	10 U	200 U	10 U
Xylene (Total)	UG/L	10 U	400 U	10 U	200 U	10 U
Methyl Acetate	UG/L	10 U	400 U	10 U	200 U	10 U
cis-1,2-Dichloroethene	UG/L	30	5000	12	480	7 J
trans-1,2-Dichloroethene	UG/L	10 U	400 U	10 U	200 U	10 U
1,2-Dichlorobenzene	UG/L	10 U	400 U	10 U	200 U	10 U
1,3-Dichlorobenzene	UG/L	10 U	400 U	10 U	200 U	10 U
1,4-Dichlorobenzene	UG/L	10 U	400 U	10 U	200 U	10 U
1,2,4-Trichlorobenzene	UG/L	10 U	400 U	10 U	200 U	10 U
1,2-Dibromo-3-chloropropane	UG/L	10 U	400 U	10 U	200 U	10 U
Methyl tert-Butyl Ether	UG/L	10 U	400 U	20	200 U	5 J
Methylcyclohexane	UG/L	10 U	400 U	10 U	200 U	10 U
Cyclohexane	UG/L	10 U	400 U	10 U	200 U	2 J
Ethylene Dibromide	UG/L	10 U	400 U	10 U	200 U	10 U
Isopropylbenzene	UG/L	10 U	400 U	10 U	200 U	10 U
Freon 113	UG/L	10 U	400 U	10 U	200 U	10 U
Freon 12	UG/L	10 U	400 U	10 U	200 U	10 U

Flags assigned during chemistry validation are shown:

Made by Ank 1/18/05
Check by Bob 1/14/07

TABLE 2
VALIDATED GROUNDWATER SAMPLE RESULTS
NORTH FRANKLIN ST. SITE

Location ID	MW-08S	MW-09S	MW-12S	MW-16S	MW-19S
Sample ID	MW-08S	MW-09S	MW-12S	MW-16S	MW-19S
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)	-	-	-	-	-
Date Sampled	10/22/04	10/22/04	12/29/04	10/22/04	10/22/04
Parameter	Units				
Volatiles					
Chloromethane	UG/L	10 U	10 U	10 U	10 U
Bromomethane	UG/L	10 U	10 U	10 U	10 U
Vinyl Chloride	UG/L	10 U	10 U	10 U	10 U
Chloroethane	UG/L	10 U	10 U	10 U	10 U
Methylene Chloride	UG/L	10 U	10 U	10 U	10 U
Acetone	UG/L	10 UJ	10 UJ	10 U	10 UJ
Carbon Disulfide	UG/L	10 U	10 U	10 U	10 U
1,1-Dichloroethene	UG/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	UG/L	10 U	10 U	10 U	10 U
2-Butanone	UG/L	10 U	10 U	10 U	10 U
Chloroform	UG/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane	UG/L	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	UG/L	10 U	10 U	10 U	10 U
Carbon Tetrachloride	UG/L	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/L	10 U	10 U	10 U	10 U
1,2-Dichloropropane	UG/L	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U
Trichloroethene	UG/L	10 U	10 U	10 U	10 U
Trichlorofluoromethane	UG/L	10 U	10 U	10 U	10 U
Benzene	UG/L	5 J	10 U	10 U	10 U
Dibromochloromethane	UG/L	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	UG/L	10 U	10 U	10 U	10 U
Bromoform	UG/L	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

Made by Anne J. H. 10/18/05
Check by Pat 11/10/05

TABLE 2
VALIDATED GROUNDWATER SAMPLE RESULTS
NORTH FRANKLIN ST. SITE

Location ID		MW-08S	MW-09S	MW-12S	MW-16S	MW-19S
Sample ID		MW-08S	MW-09S	MW-12S	MW-16S	MW-19S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		10/22/04	10/22/04	12/29/04	10/22/04	10/22/04
Parameter	Units					
Volatiles						
4-Methyl-2-Pentanone	UG/L	10 U				
2-Hexanone	UG/L	10 U				
Tetrachloroethene	UG/L	10 U	10 U	10 U	10 U	6 J
1,1,2,2-Tetrachloroethane	UG/L	10 U				
Toluene	UG/L	10 U				
Chlorobenzene	UG/L	10 U				
Ethylbenzene	UG/L	49	10 U	10 U	10 U	10 U
Styrene	UG/L	10 U				
Xylene (Total)	UG/L	67	10 U	10 U	10 U	10 U
Methyl Acetate	UG/L	10 U				
cis-1,2-Dichloroethene	UG/L	10 U				
trans-1,2-Dichloroethene	UG/L	10 U				
1,2-Dichlorobenzene	UG/L	10 U				
1,3-Dichlorobenzene	UG/L	10 U				
1,4-Dichlorobenzene	UG/L	10 U				
1,2,4-Trichlorobenzene	UG/L	10 U				
1,2-Dibromo-3-chloropropane	UG/L	10 U				
Methyl tert-Butyl Ether	UG/L	10 U				
Methylcyclohexane	UG/L	76	10 U	10 U	10 U	10 U
Cyclohexane	UG/L	68	10 U	10 U	10 U	10 U
Ethylene Dibromide	UG/L	10 U				
Isopropylbenzene	UG/L	8 J	10 U	10 U	10 U	10 U
Freon 113	UG/L	10 U				
Freon 12	UG/L	10 U				

Flags assigned during chemistry validation are shown.

Made by Amk 1/18/05
Check by dm 1/18/05

TABLE 2
VALIDATED GROUNDWATER SAMPLE RESULTS
NORTH FRANKLIN ST. SITE

Location ID	MW-20S	
Sample ID	MW-20S	
Matrix	Groundwater	
Depth Interval (ft)	-	
Date Sampled	10/22/04	
Parameter	Units	
Volatiles		
Chloromethane	UG/L	10 U
Bromomethane	UG/L	10 U
Vinyl Chloride	UG/L	1 J
Chloroethane	UG/L	10 U
Methylene Chloride	UG/L	10 U
Acetone	UG/L	10 U
Carbon Disulfide	UG/L	10 U
1,1-Dichloroethene	UG/L	10 U
1,1-Dichloroethane	UG/L	10 U
2-Butanone	UG/L	10 UJ
Chloroform	UG/L	10 U
1,2-Dichloroethane	UG/L	10 U
1,1,1-Trichloroethane	UG/L	10 U
Carbon Tetrachloride	UG/L	10 U
Bromodichloromethane	UG/L	10 U
1,2-Dichloropropane	UG/L	10 U
cis-1,3-Dichloropropene	UG/L	10 U
Trichloroethene	UG/L	20
Trichlorofluoromethane	UG/L	10 U
Benzene	UG/L	10 U
Dibromochloromethane	UG/L	10 U
trans-1,3-Dichloropropene	UG/L	10 U
1,1,2-Trichloroethane	UG/L	10 U
Bromoform	UG/L	10 U

Flags assigned during chemistry validation are shown.

Made by Damik 10/22/04
Check by GD 10/22/04

TABLE 2
VALIDATED GROUNDWATER SAMPLE RESULTS
NORTH FRANKLIN ST. SITE

Location ID	MW-20S	
Sample ID	MW-20S	
Matrix	Groundwater	
Depth Interval (ft)	-	
Date Sampled	10/22/04	
Parameter	Units	
Volatiles		
4-Methyl-2-Pentanone	UG/L	10 U
2-Hexanone	UG/L	10 U
Tetrachloroethene	UG/L	73
1,1,2,2-Tetrachloroethane	UG/L	10 U
Toluene	UG/L	10 U
Chlorobenzene	UG/L	10 U
Ethybenzene	UG/L	10 U
Styrene	UG/L	10 U
Xylene (Total)	UG/L	10 U
Methyl Acetate	UG/L	10 U
cis-1,2-Dichloroethene	UG/L	170
trans-1,2-Dichloroethene	UG/L	10 U
1,2-Dichlorobenzene	UG/L	10 U
1,3-Dichlorobenzene	UG/L	10 U
1,4-Dichlorobenzene	UG/L	10 U
1,2,4-Trichlorobenzene	UG/L	10 U
1,2-Dibromo-3-chloropropane	UG/L	10 U
Methyl tert-Butyl Ether	UG/L	2 J
Methylcyclohexane	UG/L	10 U
Cyclohexane	UG/L	10 U
Ethylene Dibromide	UG/L	10 U
Isopropylbenzene	UG/L	10 U
Freon 113	UG/L	10 U
Freon 12	UG/L	10 U

Flags assigned during chemistry validation are shown.

Made by AMK 1/8/05

Check by SL 1/20/05

TABLE 3
VALIDATED FIELD QC SAMPLE RESULTS
NORTH FRANKLIN ST. SITE

Location ID		FIELDQC	FIELDQC
Sample ID		TB	TB
Matrix		Quality Control	Quality Control
Depth Interval (ft)		-	-
Date Sampled		10/22/04	12/29/04
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)
Volatiles			
Chloromethane	UG/L	10 U	10 U
Bromomethane	UG/L	10 U	10 U
Vinyl Chloride	UG/L	10 U	10 U
Chloroethane	UG/L	10 U	10 U
Methylene Chloride	UG/L	2 J	2 J
Acetone	UG/L	10 UJ	10 U
Carbon Disulfide	UG/L	10 U	10 U
1,1-Dichloroethene	UG/L	10 U	10 U
1,1-Dichloroethane	UG/L	10 U	10 U
2-Butanone	UG/L	10 U	10 U
Chloroform	UG/L	1 J	1 J
1,2-Dichloroethane	UG/L	10 U	10 U
1,1,1-Trichloroethane	UG/L	10 U	10 U
Carbon Tetrachloride	UG/L	10 U	10 U
Bromodichloromethane	UG/L	10 U	10 U
1,2-Dichloropropane	UG/L	10 U	10 U
cis-1,3-Dichloropropene	UG/L	10 U	10 U
Trichloroethene	UG/L	10 U	10 U
Trichlorofluoromethane	UG/L	10 U	10 U
Benzene	UG/L	10 U	10 U
Dibromochloromethane	UG/L	10 U	10 U
trans-1,3-Dichloropropene	UG/L	10 U	10 U
1,1,2-Trichloroethane	UG/L	10 U	10 U
Bromoform	UG/L	10 U	10 U

Flags assigned during chemistry validation are shown.

Made by AMK 1/18/05
Check by ben 1/18/05

TABLE 3
VALIDATED FIELD QC SAMPLE RESULTS
NORTH FRANKLIN ST. SITE

Location ID		FIELDQC	FIELDQC
Sample ID		TB	TB
Matrix		Quality Control	Quality Control
Depth Interval (ft)		-	-
Date Sampled		10/22/04	12/29/04
Parameter	Units	Trip Blank (1-1)	Trip Blank (1-1)
Volatiles			
4-Methyl-2-Pentanone	UG/L	10 U	10 U
2-Hexanone	UG/L	10 U	10 U
Tetrachloroethene	UG/L	10 U	10 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U
Toluene	UG/L	10 U	10 U
Chlorobenzene	UG/L	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U
Styrene	UG/L	10 U	10 U
Xylene (Total)	UG/L	10 U	10 U
Methyl Acetate	UG/L	10 U	10 U
cis-1,2-Dichloroethene	UG/L	10 U	10 U
trans-1,2-Dichloroethene	UG/L	10 U	10 U
1,2-Dichlorobenzene	UG/L	10 U	10 U
1,3-Dichlorobenzene	UG/L	10 U	10 U
1,4-Dichlorobenzene	UG/L	10 U	10 U
1,2,4-Trichlorobenzene	UG/L	10 U	1 J
1,2-Dibromo-3-chloropropane	UG/L	10 U	10 U
Methyl tert-Butyl Ether	UG/L	10 U	10 U
Methylcyclohexane	UG/L	10 U	10 U
Cyclohexane	UG/L	10 U	10 U
Ethylene Dibromide	UG/L	10 U	10 U
Isopropylbenzene	UG/L	10 U	10 U
Freon 113	UG/L	10 U	10 U
Freon 12	UG/L	10 U	10 U

Flags assigned during chemistry validation are shown.

Made by DMC/18/05
Check by DMC/18/05

APPENDIX A

SUPPORT DOCUMENTATION

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to URS Greiner's North Franklin Street project. Under this deliverable, analysis results are presented for eleven aqueous samples that were received on October 23, 2004. Analyses were performed per specifications in the project's contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing sample client ID with laboratory sample ID.

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

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. Volatile Analysis:

Trap used for instrument V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

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

The aqueous samples were acid preserved to pH <2.

Alkanes were determined as part of TICs. The alkanes are reported in the Alkane Narrative Report following the SDG narrative.

Surrogate recovery: recoveries were within the QC limits.

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

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample MW-05D. Spike recoveries and replicate RPDs were within the QC limits. Please note that the matrix spike and matrix spike duplicate were analyzed at 40x dilution.

Sample analysis: due to high concentration of target analytes, the following samples were analyzed at dilution: MW-05D (20x) and MW-03 (40x). No other unusual observation was made for 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.



Agnes Ng
CLP Project Manager
11/16/04

CHAIN OF CUSTODY RECORD

PROJECT NO. 11173258.55000

SITE NAME NYSDEC N. Franklin St.

SAMPLERS (PRINT/SIGNATURE)

Kerry T. McGowan / *[Signature]*

DELIVERY SERVICE: FedEx AIRBILL NO.: 7919 6049 5873

AIRBILL NO.: 7919 6049 5873

DATE: 10/21/04 TIME: 14:25 COMP/GRAB: GRASS SAMPLE ID: MW-05D

TOTAL NO. OF CONTAINERS: 2

MATRIX: VIALS

40 mL WWR

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to URS Greiner's North Franklin Street project. Under this deliverable, analysis results are presented for two aqueous samples that were received on December 30, 2004. Analyses were performed per specifications in the project's contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing sample client ID with laboratory sample ID.

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

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. Volatile Analysis:

Trap used for instrument V1: 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.

The aqueous samples were acid preserved to 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.

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.



Agnes Ng
CLP Project Manager
01/07/05

CHAIN OF CUSTODY RECORD

CHAIN OF CUSTODY RECORD									
PROJECT NO. 11/13 258-55300		SAMPLES (PRINT/SIGNATURE) Keweenaw Co., MI		SITE NAME NYSDEC N. Franklin St.					
TESTS		TESTS		TESTS		TESTS			
DELIVERY SERVICE: FedEx		AIRBILL NO.: 7921 6928 1244		TOTAL NO. OF CONTAINERS: 1		REMARKS: <i>Wells W/ HCl</i>			
LOCATION IDENTIFIER: MW-125		DATE: 12/13/04 TIME: 07:45		COMP/GRAB: GRASS		SAMPLE ID: MW-125		MATRIX: WG	
TB# - TRIP BLANK		- - -		- - -		- - -		- - -	
REINQUISITION BY (SIGNATURE): <i>Jeff Wink</i>		DATE: 12/14/04 TIME: 16:00		RECEIVED BY (SIGNATURE): <i>John</i>		DATE: 12/14/04 TIME: 16:00		SPECIAL INSTRUCTIONS: <i>Send Enviro-S</i>	
REINQUISITION BY (SIGNATURE): <i>John</i>		DATE: 12/14/04 TIME: 16:00		RECEIVED FOR LAB BY (SIGNATURE): <i>John</i>		DATE: 12/14/04 TIME: 16:00		DATE: 12/14/04 TIME: 16:00	
Distribution: Original accompanies shipment, copy to coordinator field files									

Distribution: Original accompaniment score to conductor/fid filos

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6F

Lab Name: MITKEM CORPORATION
 Lab Code: MITKEM Case No.: _____
 Lab File ID: V6D3952
 Date Analyzed: 10/26/04
 GC Column: DB-624 ID: 0.25 (mm)
 Instrument ID: V6

Contract: _____

SAS No.: _____ SDG No.: C1343

Lab Sample ID: MB-15461

Time Analyzed: 1615

Heated Purge: (Y/N) N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 V6FLCS	LCS-15461	V6D3953	1644
02 MW-04	C1343-03A	V6D3954	1710
03 MW-08S	C1343-06A	V6D3955	1737
04 MW-07S	C1343-04A	V6D3956	1804
05 MW-01	C1343-05A	V6D3957	1831
06 MW-09S	C1343-07A	V6D3958	1858
07 MW-16S	C1343-08A	V6D3959	1925
08 MW-19S	C1343-09A	V6D3960	1952
09 TB	C1343-11A	V6D3961	2019
10 MW-05DMS	C1343-01AMS	V6D3965	2206
11 MW-05DMSD	C1343-01AMSD	V6D3966	2233
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COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

VBLK6FLab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: MB-15461Sample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3952Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon113	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	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6G

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1343

Lab File ID: V6D3972

Lab Sample ID: MB-15462

Date Analyzed: 10/27/04

Time Analyzed: 0946

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

Heated Purge: (Y/N) N

Instrument ID: V6

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 <u>MW-05D</u>	<u>C1343-01A</u>	<u>V6D3974</u>	<u>1107</u>
02 <u>MW-03</u>	<u>C1343-02A</u>	<u>V6D3975</u>	<u>1134</u>
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COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

VBLK6G

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: MB-15462Sample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3972Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 10/27/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon113	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	2	J
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: C1343
 Lab File ID: V6D3950 BFB Injection Date: 10/26/04
 Instrument ID: V6 BFB Injection Time: 1522
 GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.0
75	30.0 - 66.0% of mass 95	59.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.6
173	Less than 2.0% of mass 174	0.9 (1.1)1
174	50.0 - 120.0% of mass 95	80.3
175	4.0 - 9.0% of mass 174	5.4 (6.7)1
176	93.0 - 101.0% of mass 174	78.4 (97.6)1
177	5.0 - 9.0% of mass 176	6.0 (7.6)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01 VSTD0506F	VSTD0506F	V6D3951	10/26/04	1544
02 VBLK6F	MB-15461	V6D3952	10/26/04	1615
03 V6FLCS	LCS-15461	V6D3953	10/26/04	1644
04 MW-04	C1343-03A	V6D3954	10/26/04	1710
05 MW-08S	C1343-06A	V6D3955	10/26/04	1737
06 MW-07S	C1343-04A	V6D3956	10/26/04	1804
07 MW-01	C1343-05A	V6D3957	10/26/04	1831
08 MW-09S	C1343-07A	V6D3958	10/26/04	1858
09 MW-16S	C1343-08A	V6D3959	10/26/04	1925
10 MW-19S	C1343-09A	V6D3960	10/26/04	1952
11 TB	C1343-11A	V6D3961	10/26/04	2019
12 MW-05DMS	C1343-01AMS	V6D3965	10/26/04	2206
13 MW-05DMSD	C1343-01AMSD	V6D3966	10/26/04	2233
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7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: C1343
 Instrument ID: V6 Calibration Date: 10/26/04 Time: 1544
 Lab File ID: V6D3951 Init. Calib. Date(s): 10/18/04 10/18/04
 EPA Sample No. (VSTD050##): VSTD0506F Init. Calib. Times: 1535 1722
 Heated Purge: (Y/N) N
 GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	%D
Dichlorodifluoromethane	3.258	3.069		-5.8	
Chloromethane	1.825	1.766		-3.2	
Vinyl Chloride	2.024	2.063	0.100	1.9	25.0
Bromomethane	1.742	1.574	0.100	-9.6	25.0
Chloroethane	1.238	1.146		-7.4	
Trichlorofluoromethane	5.062	4.827		-4.6	
1,1-Dichloroethene	1.665	1.711	0.100	2.8	25.0
Freon113	2.107	2.139		1.5	
Acetone	0.806	0.566		-29.8	
Carbon Disulfide	6.296	5.988		-4.9	
Methyl Acetate	1.004	0.939		-6.5	
Methylene Chloride	1.820	2.037		11.9	
trans-1,2-Dichloroethene	2.232	2.006		-10.1	
Methyl tert-Butyl Ether	6.526	6.156		-5.7	
1,1-Dichloroethane	4.709	4.170	0.200	-11.4	25.0
cis-1,2-Dichloroethene	2.096	1.926		-8.1	
2-Butanone	0.838	0.679		-19.0	
Chloroform	5.056	4.807	0.200	-4.9	25.0
1,1,1-Trichloroethane	0.945	0.886	0.100	-6.2	25.0
Cyclohexane	0.638	0.559		-12.4	
Carbon Tetrachloride	0.882	0.843	0.100	-4.4	25.0
Benzene	1.660	1.461	0.500	-12.0	25.0
1,2-Dichloroethane	4.518	4.354	0.100	-3.6	25.0
Trichloroethene	0.381	0.339	0.300	-11.0	25.0
Methylcyclohexane	0.633	0.564		-10.9	

All other compounds must meet a minimum RRF of 0.010.

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: C1343

Lab File ID: V6D3970 BFB Injection Date: 10/27/04

Instrument ID: V6 BFB Injection Time: 0835

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

<u>m/e</u>	<u>ION ABUNDANCE CRITERIA</u>	<u>% RELATIVE ABUNDANCE</u>
50	8.0 - 40.0% of mass 95	19.3
75	30.0 - 66.0% of mass 95	59.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.0
173	Less than 2.0% of mass 174	0.5 (0.6)1
174	50.0 - 120.0% of mass 95	86.3
175	4.0 - 9.0% of mass 174	6.1 (7.1)1
176	93.0 - 101.0% of mass 174	84.4 (97.8)1
177	5.0 - 9.0% of mass 176	5.2 (6.2)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01 VSTD0506G	VSTD0506G	V6D3971	10/27/04	0858
02 VBLK6G	MB-15462	V6D3972	10/27/04	0946
03 MW-05D	C1343-01A	V6D3974	10/27/04	1107
04 MW-03	C1343-02A	V6D3975	10/27/04	1134
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7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1343

Instrument ID: V6

Calibration Date: 10/27/04 Time: 0858

Lab File ID: V6D3971

Init. Calib. Date(s): 10/18/04 10/18/04

EPA Sample No. (VSTD050##): VSTD0506G Init. Calib. Times: 1535 1722

Heated Purge: (Y/N) N

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

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.258	2.753		-15.5	
Chloromethane	1.825	1.644		-9.9	
Vinyl Chloride	2.024	1.838	0.100	-9.2	25.0
Bromomethane	1.742	1.475	0.100	-15.3	25.0
Chloroethane	1.238	1.030		-16.8	
Trichlorofluoromethane	5.062	4.476		-11.6	
1,1-Dichloroethene	1.665	1.580	0.100	-5.1	25.0
Freon113	2.107	1.990		-5.6	
Acetone	0.806	0.575		(-28.7)	
Carbon Disulfide	6.296	5.525		-12.2	
Methyl Acetate	1.004	0.903		-10.1	
Methylene Chloride	1.820	1.781		-2.1	
trans-1,2-Dichloroethene	2.232	1.864		-16.5	
Methyl tert-Butyl Ether	6.526	5.451		-16.5	
1,1-Dichloroethane	4.709	3.949	0.200	-16.1	25.0
cis-1,2-Dichloroethene	2.096	1.829		-12.7	
2-Butanone	0.838	0.664		-20.8	
Chloroform	5.056	4.559	0.200	-9.8	25.0
1,1,1-Trichloroethane	0.945	0.848	0.100	-10.3	25.0
Cyclohexane	0.638	0.508		-20.4	
Carbon Tetrachloride	0.882	0.807	0.100	-8.5	25.0
Benzene	1.660	1.396	0.500	-15.9	25.0
1,2-Dichloroethane	4.518	4.166	0.100	-7.8	25.0
Trichloroethene	0.381	0.332	0.300	-12.9	25.0
Methylcyclohexane	0.633	0.527		-16.7	

All other compounds must meet a minimum RRF of 0.010.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1343

Instrument ID: V6

Calibration Date: 10/27/04 Time: 0858

Lab File ID: V6D3971

Init. Calib. Date(s): 10/18/04 10/18/04

EPA Sample No. (VSTD050##): VSTD0506G Init. Calib. Times: 1535 1722

Heated Purge: (Y/N) N

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

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
1, 2-Dichloropropane	0.447	0.357		-20.1	
Bromodichloromethane	0.699	0.625	0.200	-10.6	25.0
cis-1, 3-Dichloropropene	0.650	0.568	0.200	-12.6	25.0
4-Methyl-2-Pentanone	0.318	0.236		(-25.8)	
Toluene	1.843	1.552	0.400	-15.8	25.0
trans-1, 3-Dichloropropene	0.703	0.636	0.100	-9.5	25.0
1, 1, 2-Trichloroethane	0.358	0.318	0.100	-11.2	25.0
Tetrachloroethene	0.381	0.339	0.200	-11.0	25.0
2-Hexanone	0.205	0.149		(-27.3)	
Dibromochloromethane	0.482	0.450	0.100	-6.6	25.0
1, 2-Dibromoethane	0.426	0.362		-15.0	
Chlorobenzene	1.145	0.966	0.500	-15.6	25.0
Ethylbenzene	0.602	0.515	0.100	-14.5	25.0
Xylene (Total)	2.243	2.018	0.300	-10.0	25.0
Styrene	1.056	0.937	0.300	-11.3	25.0
Bromoform	0.364	0.338	0.100	-7.1	25.0
Isopropylbenzene	1.982	1.792		-9.6	
1, 1, 2, 2-Tetrachloroethane	0.506	0.418	0.300	-17.4	25.0
1, 3-Dichlorobenzene	0.831	0.763	0.600	-8.2	25.0
1, 4-Dichlorobenzene	0.887	0.813	0.500	-8.3	25.0
1, 2-Dichlorobenzene	0.800	0.726	0.400	-9.3	25.0
1, 2-Dibromo-3-chloropropane	0.111	0.093		-16.2	
1, 2, 4-Trichlorobenzene	0.479	0.424	0.200	-11.5	25.0
Toluene-d8	1.515	1.575		4.0	
Bromofluorobenzene	0.623	0.675	0.200	8.3	25.0
1, 2-Dichloroethane-d4	3.632	3.891		7.1	

All other compounds must meet a minimum RRF of 0.010.

5A
 VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: C1343
 Lab File ID: V6D4030 BFB Injection Date: 11/01/04
 Instrument ID: V6 BFB Injection Time: 0938
 GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.8
75	30.0 - 66.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	50.0 - 120.0% of mass 95	78.4
175	4.0 - 9.0% of mass 174	5.6 (7.2)1
176	93.0 - 101.0% of mass 174	77.0 (98.3)1
177	5.0 - 9.0% of mass 176	5.1 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01 VSTD0506K	VSTD0506K	V6D4031	11/01/04	1044
02 VBLK6K	MB-15514	V6D4032	11/01/04	1141
03 MW-20S	C1343-10A	V6D4033	11/01/04	1221
04 VHBLK6K	VHBLK6K	V6D4034	11/01/04	1251
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7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1343

Instrument ID: V6

Calibration Date: 11/01/04 Time: 1044

Lab File ID: V6D4031

Init. Calib. Date(s): 10/18/04 10/18/04

EPA Sample No. (VSTD050##): VSTD0506K Init. Calib. Times: 1535 1722

Heated Purge: (Y/N) N

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

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	3.258	2.861		-12.2	
Chloromethane	1.825	1.753		-3.9	
Vinyl Chloride	2.024	2.012	0.100	-0.6	25.0
Bromomethane	1.742	1.624	0.100	-6.8	25.0
Chloroethane	1.238	1.171		-5.4	
Trichlorofluoromethane	5.062	4.810		-5.0	
1,1-Dichloroethene	1.665	1.738	0.100	4.4	25.0
Freon113	2.107	2.202		4.5	
Acetone	0.806	0.631		-21.7	
Carbon Disulfide	6.296	6.225		-1.1	
Methyl Acetate	1.004	0.954		-5.0	
Methylene Chloride	1.820	1.756		-3.5	
trans-1,2-Dichloroethene	2.232	2.007		-10.1	
Methyl tert-Butyl Ether	6.526	5.621		-13.9	
1,1-Dichloroethane	4.709	4.126	0.200	-12.4	25.0
cis-1,2-Dichloroethene	2.096	1.847		-11.9	
2-Butanone	0.838	0.602		(-28.2)	
Chloroform	5.056	4.837	0.200	-4.3	25.0
1,1,1-Trichloroethane	0.945	0.981	0.100	3.8	25.0
Cyclohexane	0.638	0.563		-11.8	
Carbon Tetrachloride	0.882	0.930	0.100	5.4	25.0
Benzene	1.660	1.497	0.500	-9.8	25.0
1,2-Dichloroethane	4.518	4.355	0.100	-3.6	25.0
Trichloroethene	0.381	0.359	0.300	-5.8	25.0
Methylcyclohexane	0.633	0.587		-7.3	

All other compounds must meet a minimum RRF of 0.010.

APPENDIX B

VALIDATED SAMPLE REPORTING FORMS

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-05ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3957Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon113	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 ²	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	30	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

*check
11/16/04*

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

MW-01

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-05ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3957Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

<u>79-01-6</u>	<u>Trichloroethene</u>	<u>4</u>	<u>J</u>
<u>108-87-2</u>	<u>Methylcyclohexane</u>	<u>10</u>	<u>U</u>
<u>78-87-5</u>	<u>1,2-Dichloropropane</u>	<u>10</u>	<u>U</u>
<u>75-27-4</u>	<u>Bromodichloromethane</u>	<u>10</u>	<u>U</u>
<u>10061-01-5</u>	<u>cis-1,3-Dichloropropene</u>	<u>10</u>	<u>U</u>
<u>108-10-1</u>	<u>4-Methyl-2-Pentanone</u>	<u>10</u>	<u>U</u>
<u>108-88-3</u>	<u>Toluene</u>	<u>10</u>	<u>U</u>
<u>10061-02-6</u>	<u>trans-1,3-Dichloropropene</u>	<u>10</u>	<u>U</u>
<u>79-00-5</u>	<u>1,1,2-Trichloroethane</u>	<u>10</u>	<u>U</u>
<u>127-18-4</u>	<u>Tetrachloroethene</u>	<u>15</u>	
<u>591-78-6</u>	<u>2-Hexanone</u>	<u>10</u>	<u>U</u>
<u>124-48-1</u>	<u>Dibromochloromethane</u>	<u>10</u>	<u>U</u>
<u>106-93-4</u>	<u>1,2-Dibromoethane</u>	<u>10</u>	<u>U</u>
<u>108-90-7</u>	<u>Chlorobenzene</u>	<u>10</u>	<u>U</u>
<u>100-41-4</u>	<u>Ethylbenzene</u>	<u>10</u>	<u>U</u>
<u>1330-20-7</u>	<u>Xylene (Total)</u>	<u>10</u>	<u>U</u>
<u>100-42-5</u>	<u>Styrene</u>	<u>10</u>	<u>U</u>
<u>75-25-2</u>	<u>Bromoform</u>	<u>10</u>	<u>U</u>
<u>98-82-8</u>	<u>Isopropylbenzene</u>	<u>10</u>	<u>U</u>
<u>79-34-5</u>	<u>1,1,2,2-Tetrachloroethane</u>	<u>10</u>	<u>U</u>
<u>541-73-1</u>	<u>1,3-Dichlorobenzene</u>	<u>10</u>	<u>U</u>
<u>106-46-7</u>	<u>1,4-Dichlorobenzene</u>	<u>10</u>	<u>U</u>
<u>95-50-1</u>	<u>1,2-Dichlorobenzene</u>	<u>10</u>	<u>U</u>
<u>96-12-8</u>	<u>1,2-Dibromo-3-chloropropane</u>	<u>10</u>	<u>U</u>
<u>120-82-1</u>	<u>1,2,4-Trichlorobenzene</u>	<u>10</u>	<u>U</u>

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1343

Matrix: (soil/water) WATER

Lab Sample ID: C1343-02A

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

Lab File ID: V6D3975

Level: (low/med) LOW

Date Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/27/04

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

Dilution Factor: 40.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

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

<u>75-71-8</u>	<u>Dichlorodifluoromethane</u>	<u>400</u>	<u>U</u>
<u>74-87-3</u>	<u>Chloromethane</u>	<u>400</u>	<u>U</u>
<u>75-01-4</u>	<u>Vinyl Chloride</u>	<u>310</u>	<u>J</u>
<u>74-83-9</u>	<u>Bromomethane</u>	<u>400</u>	<u>U</u>
<u>75-00-3</u>	<u>Chloroethane</u>	<u>400</u>	<u>U</u>
<u>75-69-4</u>	<u>Trichlorofluoromethane</u>	<u>400</u>	<u>U</u>
<u>75-35-4</u>	<u>1,1-Dichloroethene</u>	<u>400</u>	<u>U</u>
<u>76-13-1</u>	<u>Freon113</u>	<u>400</u>	<u>U</u>
<u>67-64-1</u>	<u>Acetone</u>	<u>400</u>	<u>U</u>
<u>75-15-0</u>	<u>Carbon Disulfide</u>	<u>400</u>	<u>U</u>
<u>79-20-9</u>	<u>Methyl Acetate</u>	<u>400</u>	<u>U</u>
<u>75-09-2</u>	<u>Methylene Chloride</u>	<u>400</u>	<u>U</u>
<u>156-60-5</u>	<u>trans-1,2-Dichloroethene</u>	<u>400</u>	<u>U</u>
<u>1634-04-4</u>	<u>Methyl tert-Butyl Ether</u>	<u>400</u>	<u>U</u>
<u>75-34-3</u>	<u>1,1-Dichloroethane</u>	<u>400</u>	<u>U</u>
<u>156-59-2</u>	<u>cis-1,2-Dichloroethene</u>	<u>5000</u>	
<u>78-93-3</u>	<u>2-Butanone</u>	<u>400</u>	<u>U</u>
<u>67-66-3</u>	<u>Chloroform</u>	<u>400</u>	<u>U</u>
<u>71-55-6</u>	<u>1,1,1-Trichloroethane</u>	<u>400</u>	<u>U</u>
<u>110-82-7</u>	<u>Cyclohexane</u>	<u>400</u>	<u>U</u>
<u>56-23-5</u>	<u>Carbon Tetrachloride</u>	<u>400</u>	<u>U</u>
<u>71-43-2</u>	<u>Benzene</u>	<u>400</u>	<u>U</u>
<u>107-06-2</u>	<u>1,2-Dichloroethane</u>	<u>400</u>	<u>U</u>

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11/29/04

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1343

Matrix: (soil/water) WATER

Lab Sample ID: C1343-02A

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

Lab File ID: V6D3975

Level: (low/med) LOW

Date Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/27/04

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

Dilution Factor: 40.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

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

<u>79-01-6</u>	<u>Trichloroethene</u>	<u>98</u>	<u>J</u>
<u>108-87-2</u>	<u>Methylcyclohexane</u>	<u>400</u>	<u>U</u>
<u>78-87-5</u>	<u>1,2-Dichloropropane</u>	<u>400</u>	<u>U</u>
<u>75-27-4</u>	<u>Bromodichloromethane</u>	<u>400</u>	<u>U</u>
<u>10061-01-5</u>	<u>cis-1,3-Dichloropropene</u>	<u>400</u>	<u>U</u>
<u>108-10-1</u>	<u>4-Methyl-2-Pentanone</u>	<u>400</u>	<u>U</u>
<u>108-88-3</u>	<u>Toluene</u>	<u>400</u>	<u>U</u>
<u>10061-02-6</u>	<u>trans-1,3-Dichloropropene</u>	<u>400</u>	<u>U</u>
<u>79-00-5</u>	<u>1,1,2-Trichloroethane</u>	<u>400</u>	<u>U</u>
<u>127-18-4</u>	<u>Tetrachloroethene</u>	<u>50</u>	<u>J</u>
<u>591-78-6</u>	<u>2-Hexanone</u>	<u>400</u>	<u>U</u>
<u>124-48-1</u>	<u>Dibromochloromethane</u>	<u>400</u>	<u>U</u>
<u>106-93-4</u>	<u>1,2-Dibromoethane</u>	<u>400</u>	<u>U</u>
<u>108-90-7</u>	<u>Chlorobenzene</u>	<u>400</u>	<u>U</u>
<u>100-41-4</u>	<u>Ethylbenzene</u>	<u>400</u>	<u>U</u>
<u>1330-20-7</u>	<u>Xylene (Total)</u>	<u>400</u>	<u>U</u>
<u>100-42-5</u>	<u>Styrene</u>	<u>400</u>	<u>U</u>
<u>75-25-2</u>	<u>Bromoform</u>	<u>400</u>	<u>U</u>
<u>98-82-8</u>	<u>Isopropylbenzene</u>	<u>400</u>	<u>U</u>
<u>79-34-5</u>	<u>1,1,2,2-Tetrachloroethane</u>	<u>400</u>	<u>U</u>
<u>541-73-1</u>	<u>1,3-Dichlorobenzene</u>	<u>400</u>	<u>U</u>
<u>106-46-7</u>	<u>1,4-Dichlorobenzene</u>	<u>400</u>	<u>U</u>
<u>95-50-1</u>	<u>1,2-Dichlorobenzene</u>	<u>400</u>	<u>U</u>
<u>96-12-8</u>	<u>1,2-Dibromo-3-chloropropane</u>	<u>400</u>	<u>U</u>
<u>120-82-1</u>	<u>1,2,4-Trichlorobenzene</u>	<u>400</u>	<u>U</u>

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

MW-04

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-03ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3954Level: (low/med) LOWDate Received: 10/23/04GC Column: DB-624 ID: 0.25 (mm)Date Analyzed: 10/26/04

Soil Extract Volume: _____ (uL)

Dilution Factor: 1.0

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorodifluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon113	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	20	
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	12	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

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1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

MW-04

Lab Code: MITKEM Case No.: _____SAS No.: _____ SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-03ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3954Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

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

79-01-6	Trichloroethene	10	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	17	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

MW-05DLab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-01ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3974Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/27/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 20.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

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

<u>75-71-8</u>	Dichlorodifluoromethane	<u>200</u>	<u>U</u>
<u>74-87-3</u>	Chloromethane	<u>200</u>	<u>U</u>
<u>75-01-4</u>	Vinyl Chloride	<u>200</u>	<u>U</u>
<u>74-83-9</u>	Bromomethane	<u>200</u>	<u>U</u>
<u>75-00-3</u>	Chloroethane	<u>200</u>	<u>U</u>
<u>75-69-4</u>	Trichlorofluoromethane	<u>200</u>	<u>U</u>
<u>75-35-4</u>	1,1-Dichloroethene	<u>200</u>	<u>U</u>
<u>76-13-1</u>	Freon113	<u>200</u>	<u>U</u>
<u>67-64-1</u>	Acetone	<u>200</u>	<u>U</u>
<u>75-15-0</u>	Carbon Disulfide	<u>200</u>	<u>U</u>
<u>79-20-9</u>	Methyl Acetate	<u>200</u>	<u>U</u>
<u>75-09-2</u>	Methylene Chloride	<u>200</u>	<u>U</u>
<u>156-60-5</u>	trans-1,2-Dichloroethene	<u>200</u>	<u>U</u>
<u>1634-04-4</u>	Methyl tert-Butyl Ether	<u>200</u>	<u>U</u>
<u>75-34-3</u>	1,1-Dichloroethane	<u>200</u>	<u>U</u>
<u>156-59-2</u>	cis-1,2-Dichloroethene	<u>480</u>	
<u>78-93-3</u>	2-Butanone	<u>200</u>	<u>U</u>
<u>67-66-3</u>	Chloroform	<u>200</u>	<u>U</u>
<u>71-55-6</u>	1,1,1-Trichloroethane	<u>200</u>	<u>U</u>
<u>110-82-7</u>	Cyclohexane	<u>200</u>	<u>U</u>
<u>56-23-5</u>	Carbon Tetrachloride	<u>200</u>	<u>U</u>
<u>71-43-2</u>	Benzene	<u>200</u>	<u>U</u>
<u>107-06-2</u>	1,2-Dichloroethane	<u>200</u>	<u>U</u>

Don't forget

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

MW-05D

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1343

Matrix: (soil/water) WATER

Lab Sample ID: C1343-01A

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

Lab File ID: V6D3974

Level: (low/med) LOW

Date Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/27/04

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

Dilution Factor: 20.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

79-01-6	Trichloroethene	1100	
108-87-2	Methylcyclohexane	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-Pentanone	200	U ³
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	2900	
591-78-6	2-Hexanone	200	U ³
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
1330-20-7	Xylene (Total)	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

*Detected
11/29/04*

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-04ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3956Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon113	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	10X	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	5	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	7	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	2	J
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

*check
11/20/04*

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

MW-07S

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-04ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3956Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-08S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____SAS No.: _____ SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-06ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3955Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon113	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	68	
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	5	J
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-08S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1343

Matrix: (soil/water) WATER

Lab Sample ID: C1343-06A

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

Lab File ID: V6D3955

Level: (low/med) LOW

Date Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

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

<u>79-01-6</u>	<u>Trichloroethene</u>	<u>10</u>	<u>U</u>
<u>108-87-2</u>	<u>Methylcyclohexane</u>	<u>76</u>	
<u>78-87-5</u>	<u>1,2-Dichloropropane</u>	<u>10</u>	<u>U</u>
<u>75-27-4</u>	<u>Bromodichloromethane</u>	<u>10</u>	<u>U</u>
<u>10061-01-5</u>	<u>cis-1,3-Dichloropropene</u>	<u>10</u>	<u>U</u>
<u>108-10-1</u>	<u>4-Methyl-2-Pentanone</u>	<u>10</u>	<u>U</u>
<u>108-88-3</u>	<u>Toluene</u>	<u>10</u>	<u>U</u>
<u>10061-02-6</u>	<u>trans-1,3-Dichloropropene</u>	<u>10</u>	<u>U</u>
<u>79-00-5</u>	<u>1,1,2-Trichloroethane</u>	<u>10</u>	<u>U</u>
<u>127-18-4</u>	<u>Tetrachloroethene</u>	<u>10</u>	<u>U</u>
<u>591-78-6</u>	<u>2-Hexanone</u>	<u>10</u>	<u>U</u>
<u>124-48-1</u>	<u>Dibromochloromethane</u>	<u>10</u>	<u>U</u>
<u>106-93-4</u>	<u>1,2-Dibromoethane</u>	<u>10</u>	<u>U</u>
<u>108-90-7</u>	<u>Chlorobenzene</u>	<u>10</u>	<u>U</u>
<u>100-41-4</u>	<u>Ethylbenzene</u>	<u>49</u>	
<u>1330-20-7</u>	<u>Xylene (Total)</u>	<u>67</u>	
<u>100-42-5</u>	<u>Styrene</u>	<u>10</u>	<u>U</u>
<u>75-25-2</u>	<u>Bromoform</u>	<u>10</u>	<u>U</u>
<u>98-82-8</u>	<u>Isopropylbenzene</u>	<u>8</u>	<u>J</u>
<u>79-34-5</u>	<u>1,1,2,2-Tetrachloroethane</u>	<u>10</u>	<u>U</u>
<u>541-73-1</u>	<u>1,3-Dichlorobenzene</u>	<u>10</u>	<u>U</u>
<u>106-46-7</u>	<u>1,4-Dichlorobenzene</u>	<u>10</u>	<u>U</u>
<u>95-50-1</u>	<u>1,2-Dichlorobenzene</u>	<u>10</u>	<u>U</u>
<u>96-12-8</u>	<u>1,2-Dibromo-3-chloropropane</u>	<u>10</u>	<u>U</u>
<u>120-82-1</u>	<u>1,2,4-Trichlorobenzene</u>	<u>10</u>	<u>U</u>

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-09S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1343

Matrix: (soil/water) WATER

Lab Sample ID: C1343-07A

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

Lab File ID: V6D3958

Level: (low/med) LOW

Date Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	10	U
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon113	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

DR 10/26/04

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-09S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____SAS No.: _____ SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-07ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3958Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

MW-12S

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1608

Matrix: (soil/water) WATER

Lab Sample ID: C1608-01A

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

Lab File ID: V1G5224

Level: (low/med) LOW

Date Received: 12/30/04

% Moisture: not dec. _____

Date Analyzed: 01/04/05

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

MW-12S

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1608

Matrix: (soil/water) WATER

Lab Sample ID: C1608-01A

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

Lab File ID: V1G5224

Level: (low/med) LOW

Date Received: 12/30/04

* Moisture: not dec. _____

Date Analyzed: 01/04/05

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-16S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1343

Matrix: (soil/water) WATER

Lab Sample ID: C1343-08A

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

Lab File ID: V6D3959

Level: (low/med) LOW

Date Received: 10/23/04

% Moisture: not dec.

Date Analyzed: 10/26/04

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

<u>75-71-8</u>	<u>Dichlorodifluoromethane</u>	<u>10</u>	<u>U</u>
<u>74-87-3</u>	<u>Chloromethane</u>	<u>10</u>	<u>U</u>
<u>75-01-4</u>	<u>Vinyl Chloride</u>	<u>10</u>	<u>U</u>
<u>74-83-9</u>	<u>Bromomethane</u>	<u>10</u>	<u>U</u>
<u>75-00-3</u>	<u>Chloroethane</u>	<u>10</u>	<u>U</u>
<u>75-69-4</u>	<u>Trichlorofluoromethane</u>	<u>10</u>	<u>U</u>
<u>75-35-4</u>	<u>1,1-Dichloroethene</u>	<u>10</u>	<u>U</u>
<u>76-13-1</u>	<u>Freon113</u>	<u>10</u>	<u>U</u>
<u>67-64-1</u>	<u>Acetone</u>	<u>10</u>	<u>U</u>
<u>75-15-0</u>	<u>Carbon Disulfide</u>	<u>10</u>	<u>U</u>
<u>79-20-9</u>	<u>Methyl Acetate</u>	<u>10</u>	<u>U</u>
<u>75-09-2</u>	<u>Methylene Chloride</u>	<u>10</u>	<u>U</u>
<u>156-60-5</u>	<u>trans-1,2-Dichloroethene</u>	<u>10</u>	<u>U</u>
<u>1634-04-4</u>	<u>Methyl tert-Butyl Ether</u>	<u>10</u>	<u>U</u>
<u>75-34-3</u>	<u>1,1-Dichloroethane</u>	<u>10</u>	<u>U</u>
<u>156-59-2</u>	<u>cis-1,2-Dichloroethene</u>	<u>10</u>	<u>U</u>
<u>78-93-3</u>	<u>2-Butanone</u>	<u>10</u>	<u>U</u>
<u>67-66-3</u>	<u>Chloroform</u>	<u>10</u>	<u>U</u>
<u>71-55-6</u>	<u>1,1,1-Trichloroethane</u>	<u>10</u>	<u>U</u>
<u>110-82-7</u>	<u>Cyclohexane</u>	<u>10</u>	<u>U</u>
<u>56-23-5</u>	<u>Carbon Tetrachloride</u>	<u>10</u>	<u>U</u>
<u>71-43-2</u>	<u>Benzene</u>	<u>10</u>	<u>U</u>
<u>107-06-2</u>	<u>1,2-Dichloroethane</u>	<u>10</u>	<u>U</u>

*Det. of
11/29/04*

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

MW-16S

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-08ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3959Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-19S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-09ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3960Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon113	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	102	JB U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

*Det JF
11/20/04*

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-19S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____SAS No.: _____ SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-09ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3960Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-10ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D4033Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 11/01/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	1	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon113	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	2	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	170	
78-93-3	2-Butanone	10	U-5
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

MW-20SLab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-10ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D4033Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 11/01/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

TBLab Code: MITKEM Case No.: _____SAS No.: _____ SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-11ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3961Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

.75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon113	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	2	JR
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	1	J
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

Jeff = b/a/c

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1343Matrix: (soil/water) WATERLab Sample ID: C1343-11ASample wt/vol: 5.000 (g/mL) MLLab File ID: V6D3961Level: (low/med) LOWDate Received: 10/23/04

% Moisture: not dec. _____

Date Analyzed: 10/26/04GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

TB

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: C1608

Matrix: (soil/water) WATER

Lab Sample ID: C1608-02A

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

Lab File ID: V1G5187

Level: (low/med) LOW

Date Received: 12/30/04

% Moisture: not dec. _____

Date Analyzed: 12/31/04

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION

Contract: _____

TB

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: C1608

Matrix: (soil/water) WATER

Lab Sample ID: C1608-02A

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

Lab File ID: V1G5187

Level: (low/med) LOW

Date Received: 12/30/04

* Moisture: not dec. _____

Date Analyzed: 12/31/04

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

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

APPENDIX C

IDW MANIFESTS



FRANK'S VACUUM TRUCK SERVICE, INC.

4500 Royal Avenue - Niagara Falls, New York 14303
TEL: 716-284-2132

86639

NYSDEC #9A-32

EPA ID # NYD982702814

PICK UP

NAME	NYS DEC		
STREET	NORTH FRANKLIN ST		
CITY	WATKINS GLEN, NY	STATE	ZIP CODE
CONTACT NAME	KEVIN	PHONE NUMBER	685-426-2120
SCHEDULED TIME	12/29/2004	09:00	

DELIVERY

NAME	CHEMICAL WASTE		
STREET	160 BALMER ROAD		
CITY	MONTGOMERY CITY, NY	STATE	ZIP CODE
CONTACT NAME	LANCE SAGIR	PHONE NUMBER	716-784-0300
SCHEDULED TIME	12/29/2004	12:00	

ADDITIONAL INFORMATION

CUSTOMER PO. NO.	WORK ORDER NUMBER	MANIFEST NUMBER	BILLING REFERENCE# ALBNJ
LOAD NUMBER	TRACTOR NUMBER	TRAILER NUMBER	DRIVER'S NAME
NUMBER & TYPES	WEIGHT OR VOLUME	HAZ. MAT.	ROUTING SHEET
20M			

TYPE (CIRCLE ONE)	PLACARDS PROVIDED OR AFFIXED		
	TANK (S/S) (R/L)	VAC	DUMP
VAN	SHIPPER'S CHECK LIST		
	ROLL-OFF	DOT LABELS APPLIED AND SECURE	DOT AUTHORIZED CONTAINERS
FLATBED	PROPER DOT NAME ON ALL PACKAGES	CHECKED FOR PROPER SEALING	WHEN "TO" QUANTITY RELEASED INTO ENVIRONMENT IMMEDIATELY NOTIFY NAT. RESPONSE CENTER 1-800-424-8802 AND 911 EMERGENCY SYSTEM OR LOCAL OPERATOR
EMERGENCY RESPONSE PHONE NUMBER			

PICK UP		DATE
ARRIVAL DATE	12/29/04	AM PM

ARRIVAL TIME		RELEASE TIME	DATE
8:30	AM	9:00	AM

TRAILER EMPTY UPON ARRIVAL		<input type="checkbox"/> YES	<input type="checkbox"/> NO	DATE
(If not, explain below)				

DIP MEASUREMENT (Tankers Only)		INCHES	DATE
--------------------------------	--	--------	------

COMMENTS: (EXPLAIN ALL DELAYS)			
--------------------------------	--	--	--

SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations			
--	--	--	--

I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE			
---	--	--	--

X CONSIGNEE'S SIGNATURE			
-------------------------	--	--	--

SHIPPER'S SIGNATURE

TITLE 69-15

GENERATOR

NYG 4020129

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS



HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

(Hazardous Waste Manifest 1/23/03)

Please type or print. Do not staple

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page 1 of	Information within heavy bold line is not required by Federal Law.	
		C E S Q C	2 0 1 2 9	1		
3. Generator's Name and Mailing Address NYS DEC 625 BROADWAY, 12th FLOOR, ALBANY, NY 12233-7013		A. NYG 4020129				
4. Generator's Telephone Number (518) 402-9813		B. Generator's ID NORTH FRANKLIN ST. WATKINS GLEN, NY 14891				
5. Transporter 1 (Company Name) FRANK'S VACUUM TRUCK SERVICE		C. State Transporter's ID AD 76820 NY				
6. US EPA ID Number NYD1982792814		D. Transporter's Telephone (716) 284-2132				
7. Transporter 2 (Company Name)		E. State Transporter's ID				
8. US EPA ID Number		F. Transporter's Telephone ()				
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES LLC 1550 BALMER ROAD MODEL CITY, NY 14107		G. State Facility ID				
10. US EPA ID Number NYD049836679		H. Facility Telephone (716) 754-8231				
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers	13. Total	14. Unit	I. Waste No.	
a. RQ HAZARDOUS WASTE LIQUID NOS (D039,D040) 9, NA3082, PGIII		Number	Type	Quantity	Wt/Vol	
		202	D	000080	G	
b.					EPA	
c.					STATE	
d.					EPA	
e.					STATE	
f.					EPA	
g.					STATE	
J. Additional Descriptions for Materials listed Above		K. Handling Codes for Wastes Listed Above				
a. • c. •		a. T	c. T			
b. • d. •		b. T	d. T			
15. Special Handling Instructions and Additional Information 11a) CT8849 S/R#						
EMERGENCY RESPONSE # 585-426-2120						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name KEVIN J. McGOVERN		Signature 		Mo. 1	Day 2	Year 2014
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Keith Boos		Signature 		Mo. 1	Day 2	Year 2014
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Mo. 1	Day 2	Year 2014
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Mo. 1	Day 2	Year 2014

APPENDIX D

IDW DISPOSAL PHOTO LOG

Client Name: New York State Department of Environmental Conservation		Site Location: 20 N. Franklin St., Watkins Glen, New York	Project No. 11173258.55000
Photo No. 1	Date: 12-29-04		
Direction Photo Taken: Southeast			
Description: IDW Drums #1 and #2 (labeled).			

Photo No. 2	Date: 12-29-04		
Direction Photo Taken: West			
Description: Frank's Vacuum Truck on N. Franklin St., with applicable registrations.			

Client Name: New York State Department of Environmental Conservation		Site Location: 20 N. Franklin St., Watkins Glen, New York	Project No. 11173258.55000
Photo No. 3	Date: 12-29-04		
Direction Photo Taken: Southwest			
Description: Frank's Vacuum Trailer on N. Franklin St., with applicable registrations.			

Photo No. 4	Date: 12-29-04		
Direction Photo Taken: South			
Description: Loading drums onto trailer. 20 N. Franklin St. in background.			

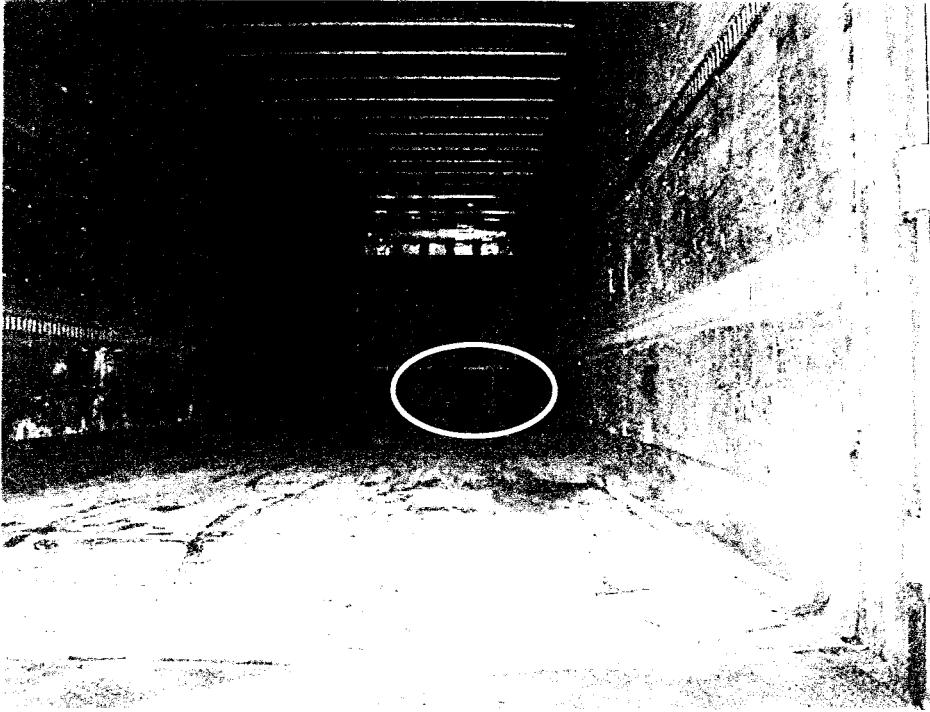
Client Name: New York State Department of Environmental Conservation		Site Location: 20 N. Franklin St., Watkins Glen, New York	Project No. 11173258.55000
Photo No. 5	Date: 12-29-04		
Direction Photo Taken: North			
Description: IDW Drums #1 and #2, loaded onto Frank's Vacuum trailer.			

Photo No. 6	Date: 12-29-04	
Direction Photo Taken: Southeast		
Description: IDW storage area, without Drums # 1 and #2. 20 N. Franklin St. in background.		