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**PHASE II REMEDIAL INVESTIGATION REPORT
OPERABLE UNIT No. 1
100 OSER AVENUE
HAUPPAUGE, NEW YORK**

IT Corporation Project No: 781882

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LIST OF ACRONYMS AND ABBREVIATIONS

Phase II RI Report	Phase II Remedial Investigation Report, Operable Unit 1
Site	The area encompassing the 100 Oser Avenue property
IT Corporation	IT Corporation, Inc.
NYSDEC	New York State Department of Environmental Conservation
RI	Remedial Investigation (performed prior to the initiation of the Phase II Remedial Investigation)
RI Report	<i>Remedial Investigation Report</i> dated October 5, 2000 (prepared by IT Corporation)
UST	Underground Storage Tank
OU1	Operable Unit 1 – area encompassing the 90, 100, and 110 Oser Avenue and other properties in the Industrial park
PCE	Tetrachloroethene, Tetrachlorethylene, Perchloroethylene
AST	Aboveground Storage Tank
Work Plan	<i>Remedial Investigation – Phase II Work Scope</i> dated April 13, 2000 (prepared by IT Corporation)
QA/QC Plan	<i>Quality Assurance Project Plan (QA/QC Plan)</i> , dated May 1999 (prepared by IT Corporation and Delaware Engineering, P.C.)
MSL	Mean Sea Level
HVAC	Heating, Ventilation, and Air Conditioning
NYSDOH	New York State Department of Health
PCE Badges	PCE Passive Sampling Devices
Zebra	Zebra Environmental, Inc.
bgs	Below Ground Surface
PGC	Portable Gas Chromatograph
VOCs	Volatile Organic Compounds
EPA	United States Environmental Protection Agency
USCS	United Soil Classification System
PID	Photoionization Detector
American Auger	American Auger and Ditching Company
TOC	Total Organic Carbon
QA/QC	Quality Assurance/Quality Control
IDW	Investigation Derived Waste
µg/L	Micrograms per Liter
PSC	Philips Services Corporation
S&W	S&W Waste
ft/day	Feet per day

ft ² /day	square feet per day
mg/kg	Milligrams per Kilogram
µg/ m ³	Micrograms per Cubic Meter
MIBK	Methyl Isobutyl Ketone
TCE	Trichloroethene
RSCO	Recommended Soil Cleanup Objective
TAGM 4046	NYSDEC Technical and Administrative Guidance Memorandum 4046
DCA	1,1-dichloroethane
1,1,1-TCA	1,1,1-trichloroethane
TOGs	NYSDEC Division of Water – Technical and Operational Guidance Series (1.1.1)
1,2-DCE	Total (cis- and trans-) 1,2-dichloroethene
Freon 113	1,1,2-trichloro-1,2,2-trifluoroethane

1.0 INTRODUCTION

1.1 Project Objectives

This *Phase II Remedial Investigation Report (Phase II RI Report)* for the 100 Oser Avenue Site (the Site) has been prepared by IT Corporation, Inc. (IT Corporation) on behalf of the New York State Department of Environmental Conservation (NYSDEC). The Site is listed on the New York State Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 site, indicating that the Site is considered to constitute a significant threat to the environment. IT Corporation conducted a Remedial Investigation (RI) at the Site in late 1999 and early 2000. The results of the RI were reported in the *Remedial Investigation Report* dated October 5, 2000 (*The RI Report*). Upon review of the data obtained during the RI, it was determined that additional information was needed. As detailed in the *Remedial Investigation – Phase II Work Scope* dated April 13, 2000, the following objectives were identified:

- Collection of additional indoor air samples on-site, as well as in several buildings adjacent to the site in an attempt to quantify any potential impacts to indoor air quality;
- Collection of additional soil gas samples at on- and off-site locations in an attempt to define the regional soil gas impacts;
- Installation of additional monitoring wells both up- and cross-gradient in the industrial park in an attempt to better define hydrogeologic and contaminant characteristics; and
- Investigation of soils beneath and immediately surrounding the on-site dry wells and the former used-oil underground storage tank (UST) on the west side of the Site building in order to determine their contribution as potential source areas.

Subsequent to the RI, it was determined by the NYSDEC that, due to the distribution of contaminants to off-site areas, future assessment work involving the Site would be simplified by dividing the area into two Operable Units. The first Operable Unit (OU1) is composed of the Site itself, as well as the adjacent industrial properties located to the east, west, and south. The second Operable Unit (OU2) is composed of the residential area located to the north (down gradient) of the Site. This report details the findings of the Phase II RI conducted on OU1.

1.2 Site Location and Description

The Site is located in the Heartland Industrial Park, Suffolk County, New York at an approximate surface elevation of 120 feet above sea level. A Site Location Map is included as **Figure 1**. The Site is rectangular in shape, consists of approximately two and one-half acres (210 feet by 518 feet) in area, and is oriented roughly north-south. A Site Map is included as **Figure 2**. The property is developed with a one-floor masonry building, roughly 24,000 square feet in area, located at the southern end of the property adjacent to Oser Avenue. The ground surface at the Site changes approximately five feet, sloping from west to east. Approximately 0.6 acres at the north end of the Site is wooded and undeveloped, with the majority of the remaining acreage covered by asphalt or the masonry building. A grassy area covers the southern end of the Site and accounts for less than ten percent of the Site surface area. To the north, the property is bounded by residential property along Holiday Park Drive.

All utilities are brought to the Site through underground connections. Active sanitary drywells are located at the southeast corner of the Site building. In addition, there are multiple dry wells and storm drains (catch basins) located along the western and northern sides of the Site building. See Section 4.2 of *The RI Report* for additional information regarding the construction of these storm water collection systems.

Two tetrachloroethene (PCE) aboveground storage tanks (ASTs) of unknown capacity were historically located on-site at the northwest corner of the building. One or more waste oil USTs were reportedly located along the western side of the Site building. A 10,000-gallon No. 2 fuel oil UST was located at the southwest corner of the building. All of these tanks were reportedly removed from the Site prior to the RI. See Section 4.2 of *The RI Report* for information regarding available details of these storage tanks.

1.3 Summary of Previous Investigations

The RI Report provides a detailed description of investigative work completed at the site prior to the initiation of the Phase II RI.

1.4 Report Organization

This *Phase II RI Report* is organized into five sections, tables, figures, and appendixes, as described below:

- **Section 1.0: Introduction:** includes a brief summary of the project objectives, Site location and description, review of the Site background including a summary of previous investigations conducted at the Site, and an explanation of the report organization.
- **Section 2.0: Study Area Investigations:** includes a brief overview of the RI approach including any field changes, descriptions of the field investigation tasks and analytical program, and the management of investigation derived waste.
- **Section 3.0: Environmental And Physical Setting:** includes a description of the topography, climate, geology, and hydrogeology of the Site and surrounding area.
- **Section 4.0: Nature And Extent of Site-Related Impacts:** includes definitions of source areas and an overview of analytical results for the sampled media.
- **Section 5.0: Summary And Conclusions:** includes a summary of the Site background, description, Site investigation activities, Site geology and hydrogeology, and conclusions detailing the Site impacts.
- **Figures:** includes all figures referenced in this report.
- **Tables:** includes all tables referenced in this report.
- **Appendices:** includes supporting documentation related to the hydrogeologic and analytical data generated during the Phase II RI.

In an effort to limit the amount of redundancy, relevant sections in this report will refer back to the corresponding sections in *The RI Report* on-file with the NYSDEC and in the Smithtown Public Library.

2.0 STUDY AREA INVESTIGATIONS

2.1 Overview

The Phase II RI conducted at the Site was performed in accordance with the NYSDEC-approved *Remedial Investigation – Phase II Work Scope (Work Plan)* prepared by IT Corporation, dated April 13, 2000. Additional NYSDEC-approved documents associated with the *Work Plan* include the following:

- *Remedial Investigation Report*, dated October 5, 2000 (prepared by IT Corporation)
- *Remedial Investigation/Feasibility Study Work Plan*, dated August 5, 1999 (prepared by IT Corporation)
- *Site Safety and Health Plan*, dated July 1999 (prepared by IT Corporation)
- *Quality Assurance Project Plan (QA/QC Plan)*, dated May 1999 (prepared by IT Corporation and Delaware Engineering, P.C.)
- *Citizen Participation Plan*, dated June 1999 (prepared by IT Corporation and Delaware Engineering, P.C.)

Field activities were conducted as stated in the NYSDEC-approved *Site Safety and Health Plan* and *Quality Assurance Project Plan*. Any encountered field changes from the *Work Plan* were discussed with and approved by the NYSDEC, prior to completing them. These changes are summarized in **Section 2.1.2**.

The following two subsections provide an overview of the technical approach and approved field changes to the procedures specified in the *Work Plan*.

2.1.1 Phase II Remedial Investigation Approach

Based on the review and evaluation of available information regarding historical Site usage and data generated during the RI, the OU1 Phase II RI was conducted primarily to:

- Assess the potential for workers to be exposed to residual chemicals at neighboring industrial properties;
- Characterize groundwater flow patterns both up-gradient and cross-gradient from the Site;
- Further assess the potential contribution of up-gradient sources to the contamination found on the Site.

Field activities performed during the Phase II RI in order to complete the above stated work included the following:

- Site Survey;
- Indoor air monitoring at 90, 95, 100, and 110 Oser Avenue;
- Soil gas survey;
- Soil borings;
- Monitoring well installations;
- Soil and groundwater sampling and analysis; and
- Groundwater (deep and shallow) level measurements.

The source area investigation detailed in the *Work Plan* was completed at the Site from April 24 through April 28, 2000. The remaining portions of the OU1 Phase II RI were completed from September 11 through September 29, 2000, and November 1 through November 7, 2000.

2.1.2 Phase II Remedial Investigation Approach Field Changes

Several modifications to the approved *Work Plan* were completed. All proposed modifications were approved by the NYSDEC prior to being implemented in the field. The completed changes included the following:

- Removal of fluid and sludge from both dry wells located on the west side of the Site using a vacuum truck; and
- The quantity, location, and depth of soil borings, soil gas points, and monitoring wells.

2.2 Site Survey

A Site survey, comprised of locating and measuring top of casing elevations for the additional monitoring wells installed during the Phase II RI, was conducted at the Site by a licensed professional land surveyor, Albert Tay Surveying of Plainview, New York on November 22, 2000. All surveyed Site elevations are referenced to the National Geodetic Datum of 1929 mean sea level (MSL), as well as the previously installed monitoring wells.

2.3 Indoor Air Monitoring

Indoor air monitoring for PCE was completed at the 100 (Site) and 110 Oser Avenue buildings to monitor any changes in ambient air concentrations potentially due to seasonal fluctuations or modifications made to the heating, ventilation, and air conditioning (HVAC) systems in the buildings. Indoor air monitoring in the 100 and 110 Oser Avenue buildings was completed in June 2000. Additionally, indoor air monitoring for PCE was completed at the 90 and 95 Oser Avenue buildings in September 2000. The locations of the indoor air samples are illustrated on **Figure 3**.

Indoor air sampling activities were completed by IT Corporation, under the supervision of the New York State Department of Health (NYSDOH). PCE passive sampling devices (PCE badges) were used to complete the monitoring. Duplicate samples from each building, outdoor air samples, and blanks were collected in conjunction with each sampling event for QA/QC purposes. Once collected, the PCE badges were submitted to the NYSDOH for analysis. A detailed discussion of the analytical protocol is outlined in **Section 2.8.1** of this report. The results of the indoor air monitoring activities are discussed in **Section 4.3**.

2.4 Soil Gas Survey

A soil gas survey was performed in an attempt to determine the lateral extent of the vapor phase PCE plume. A certain number of on-site soil gas samples were also collected to monitor fluctuations which may have occurred since the RI activities. A total of 18 new soil gas locations and one duplicate location were advanced through the shallow subsurface during this Phase II RI. Soil gas samples were collected from the 18 new locations, the one duplicate location, the six previously-installed foundation soil gas points, and four permanent soil gas points located on the west side of the Site building (historically installed by another contractor, prior to 1999). Soil gas sampling activities were performed by Zebra Environmental Corporation (Zebra) of Lynbrook, New York on September 19 and 22, 2000.

Soil gas samples were collected by driving a clean drive-point adapter and new expendable point to 10 feet below ground surface (bgs). The expendable drive point was sacrificed at each soil gas sampling location and a new point provided for the next sample.

Subsequent to the drive point reaching the desired depth of 10 feet bgs, the drive rod was retracted approximately three to four inches to create a void which allowed for the migration of soil gas into the bottom of the drive point adapter. Dedicated poly-tubing was attached to the stainless steel adapter, inserted into the drive rod and extended to the bottom. The tubing was then threaded to the drive point adapter and the line was purged using the vacuum system provided by Zebra. Following purging the line, the poly-tubing was attached to a Tedlar Sampling Bag and the vacuum system was used to draw a vacuum on the airtight box which contained the Tedlar bag. The bag was therefore subjected to an exterior vacuum and the bag filled with soil gas.

The drive point adapters and stainless steel tubing connectors were cleaned with Alconox and double rinsed between each use, in order to decontaminate the equipment before starting the next soil gas point.

Probe holes (approximately 1.5-inch diameter) were backfilled and sealed with Bentonite and the surface was repaired with cold patch asphalt, where required.

Soil gas samples were submitted to the on-site portable gas chromatograph (PGC) for analysis for volatile organic compounds (VOCs) in accordance with the Environmental Protection Agency (EPA) Method TO-14.

The locations of the soil gas points are illustrated on **Figure 4**. A discussion of the analytical protocol for the soil gas samples is provided in **Section 2.8.2**. The results of the soil gas survey are discussed in **Section 4.4**.

2.5 Soil Investigation

2.5.1 Source Area Soil Investigation

Zebra was contracted to aid in the assessment of two of the potential source areas identified in the *RI Report*. Two soil borings, ITUOSB-1 and ITUOSB-2, were advanced on the northwest and southwest ends of the former waste oil UST, which was historically located on the west side of the Site building. Six soil borings, ITDWSB-1 through ITDWSB-6, were completed in the vicinity of the dry wells located on the west side of the Site building. Borings ITDWSB-2 and ITDWSB-6 were advanced through the center of the overflow and catch basin dry wells, respectively. Borings were advanced using Geoprobe™ drilling techniques. Boring locations were chosen in order to determine the potential contribution of the former used oil UST and dry

wells as sources for the contamination observed during the RI activities. Source area drilling activities were completed between April 24 and 28, 2000. Boring locations are illustrated on **Figure 5**.

Borings were completed to the limits achievable by the Geoprobe[™] drilling rig. Depths ranged from 34 to 49 feet bgs. Soil samples were collected continuously to boring completion depths using disposable acetate liners. Soil samples were classified by an IT Corporation geologist in compliance with the Unified Soil Classification System (USCS). Boring logs illustrating the depth and soil lithology of each boring are included in **Appendix A**. Each sample was split for headspace analysis. Soil samples were placed in a sealed container, allowed sufficient time for partitioning of VOCs to the gas phase, and subsequently analyzed using a properly calibrated photoionization detector (PID) with a 10.6 eV lamp. The soil samples collected from borings ITUOSB-1 and ITUOSB-2 which contained the highest concentration of VOCs, according to the PID, were also submitted to Mitkem for laboratory analysis. Soil samples collected from borings ITDWSB-1 through ITDWSB-2 from the approximate depth of the bottom of the dry wells, as well as those exhibiting the highest VOC concentration, as indicated by the PID, were submitted to Mitkem for laboratory analysis. A detailed description of the analytical protocol is outlined in **Section 2.8.3.1**. The results of the soil sampling activities are discussed in **Section 4.5** of this report.

The soil borings were then properly backfilled with bentonite and resurfaced to grade with cold patch asphalt, where appropriate.

2.5.2 Regional Soil Investigation

American Auger and Ditching Company (American Auger) of Costantia, New York was contracted to provide drilling services at the Site from September 11 through September 29, 2000. Borings ITMW-00-14S and ITMW-00-15S were completed on property located south of the Site, currently owned and occupied by Pall RAI, Inc., using hollow stem auger drilling techniques. Soil samples were collected at 5-foot intervals to a depth of 60 feet during the advancement of boring ITMW-00-14S. Soil samples were classified by an IT Corporation geologist in compliance with the USCS. Each soil sample was placed in a sealed container, allowed sufficient time for partitioning of VOCs, and analyzed using a properly calibrated PID with a 10.6 eV lamp. Soil samples were not collected during the advancement of boring ITMW-00-15S due to restrictions related to the access agreement between the property owner and the NYSDEC.

Borings ITMW-00-11S and ITMW-00-12S were advanced on the northwest and northeast corners of the 110 and 90 Oser Avenue properties, respectively. Borings were advanced using hollow-stem auger drilling techniques. Soil samples were collected at five-foot intervals to 60 feet bgs, and then at 10 foot intervals to boring completion. Soil sampling was conducted in a manner consistent with the protocol outlined for boring ITMW-00-14S. Additionally, each soil sample was immediately submitted to the on-site PGC for analysis for VOCs.

A more detailed description of the analytical protocol is provided in **Section 2.8.3.2**. Boring locations are illustrated on **Figure 2**. Boring logs containing lithologic descriptions and PID results are included in **Appendix A**. The results of the regional soil investigation are discussed in **Section 4.5** of this report.

2.6 Dry Well Fluid and Sludge Removal

The removal of fluids and sludge from the overflow and catch basin dry wells occurred from April 24 to 26, 2000. Griffin Industrial Services, Inc. from Syracuse, New York was contracted for vacuum truck services. A vacuum truck was used to evacuate perched fluids from the catch basin and overflow dry wells located on the west side of the Site building. Once fluids were removed, the vacuum truck began removing the sludge layers at the bottom of the dry wells. Solids were removed until the native sands were visible at the bottom. Due the increased volume of materials removed from each of the dry wells, an insufficient number of 55-gallon drums were available at the time of these activities. As a result, following the evacuation of the catch basin dry well, the fluids were discharged back to the dry well while the solids were retained for containment and subsequent disposal.

2.7 Groundwater Quality Investigation

2.7.1 Hydropunch Groundwater Quality

American Auger provided HydroPunch groundwater sampling services during the advancement of select borings. HydroPunch groundwater samples were collected from borings ITMW-00-14S and ITMW-00-15S at depths of 85 and 80 feet bgs, respectively. Samples were collected by hammering the HydroPunch sampler to a depth approximately five feet below the augers, pulling back approximately one foot, and allowing sufficient time for the infiltration of water into

the sampling device. HydroPunch groundwater samples were immediately submitted to the on-site PGC for analysis for VOCs

HydroPunch groundwater samples were collected from borings ITMW-00-11S and ITMW-00-12S in a manner consistent with the protocol outlined for borings ITMW-00-14S and ITMW-00-15S. HydroPunch sampling was initiated near the top of the aquifer and continued at 10-foot intervals until concentrations were either below the laboratory reporting limit or appeared to be significantly lower than those encountered at shallower depths. HydroPunch groundwater samples were immediately submitted to the on-site PGC for VOC analysis.

A more detailed description of the analytical protocol is provided in **Section 2.8.4.1**. Boring locations are illustrated on **Figure 2**. The results of the HydroPunch groundwater investigation are discussed in **Section 4.6** of this report.

2.7.2 Monitoring Well Groundwater Quality

Groundwater monitoring wells were installed at the drilling locations situated west of 110 Oser Avenue (ITMW-00-11S), east of 90 Oser Avenue (ITMW-00-12S), south of 110 Oser Avenue (ITMW-00-13S), and south of 100 Oser Avenue (ITMW-00-14S and ITMW-00-15S). Monitoring wells were constructed with 2-inch diameter stainless steel screen and riser pipe. A more detailed description of the construction of the monitoring wells can be found in the drilling logs included in **Appendix A**. The newly installed monitoring wells were gauged and developed prior to the collection of groundwater samples, in accordance with the protocol outlined in the *QA/QC Plan*, on-file at the NYSDEC. Existing monitoring wells ITMW-1S, ITMW-1D, ITMW-2S, ITMW-3S, ITMW-4D, ITMW-5S, ITMW-6S, ITMW-7S, ITMW-8S, MW-9, and MW-13 were gauged and purged in accordance with the *QA/QC Plan* prior to groundwater sample collection. Groundwater gauging was conducted at each of the monitoring wells prior to the initiation of purging and sampling activities. Monitoring wells ITMW-3D and ITMW-5D were gauged but not sampled due to technical problems encountered during purging activities. Groundwater samples were collected from the above-referenced monitoring wells from November 1 to November 7, 2000, in accordance with the *QA/QC Plan*. Monitoring well construction and gauging information is summarized in **Table 1**. A detailed discussion of the analytical protocol is included in **Section 2.8.4.2** of this report. The results of the groundwater sampling activities are presented in **Section 4.6** of this report. Monitoring well locations are illustrated on **Figure 2**.

2.8 Environmental Sampling and Analysis

Samples of indoor air, soil gas, soil, and groundwater, as well as the required QA/QC samples, were collected at the Site for chemical constituent analyses. The RI sample collection procedures and the PGC and laboratory analyses performed are described by media below. Sample analytical results are discussed in **Section 4.0**, while the laboratory reports are presented in **Appendix B**.

2.8.1 Indoor Air Analysis

The indoor air samples collected by IT Corporation, on behalf of the NYSDOH, were submitted to the NYSDOH for analysis for PCE at the Wadsworth Center for Laboratories and Research using Method 311-9 from its Environmental Laboratory Approval Program. See **Section 4.3** for a discussion of the analytical results obtained during the sampling event and **Table 2** for a listing of detected analytical results. Indoor air analytical results are illustrated on **Figure 3**.

2.8.2 Soil Gas Analysis

Soil gas samples were analyzed by the on-site PGC in accordance with EPA Method TO-14 for VOCs. **Figure 4** illustrates the location of the soil gas survey points, as well as soil gas analytical results for each point. A discussion of the analytical results is included in **Section 4.4**. **Table 3** provides a summary of the analytical results.

2.8.3 Soil Analysis

Soil samples were collected at the Site from the source area borings and the regional investigation borings. The depth of the soil samples collected from the source area borings ranged from 10 to 42 feet bgs. The soil samples collected during the regional investigation ranged from 4 to 86 feet bgs.

2.8.3.1 Source Area Soil Analysis

The soil sample collected from each boring advanced in the vicinity of the former used oil UST was submitted for analysis for metals and VOCs in accordance with NYSDEC ASP CLP Methods. Soil samples collected from the borings advanced in the vicinity of the dry wells from depths consistent with the bottom of the dry wells, as well as those exhibiting the highest PID readings were submitted for analysis for VOCs, metals, and total organic carbon (TOC). VOCs

and metals were analyzed in accordance with the NYSDEC ASP CLP Methods. TOC analysis was completed according to EPA Method 415.1. Additionally, soil samples collected from depths consistent with the bottom of the overflow dry well from borings ITDWSB-2 and ITDWSB-4 were submitted for grain size distribution analysis. A "background" soil sample was collected from the wooded area on the north side of the site for TOC analysis for comparative purposes.

The source area soil samples were submitted to Mitkem Laboratory for analysis. The total number of soil samples for each analytical suite are summarized below:

- 14 soil samples for VOCs analysis in accordance with NYSDEC ASP CLP Method;
- 12 soil samples for Metals analysis in accordance with NYSDEC ASP CLP Method;
- 13 soil samples for TOC analysis in accordance with Method 415.1; and,
- 2 soil samples for grain size distribution analysis.

The source area soil sample analytical results are summarized in **Tables 4, 5, and 6**. A discussion of the source area soil sample analytical results is provided in **Section 4.5**.

2.8.3.2 Regional Soil Analysis

Soil samples collected during the regional groundwater assessment activities were analyzed by the on-site PGC in accordance with EPA Method 8021 (modified) for VOCs. Eight of the 25 soil samples collected were duplicated and sent to Mitkem Laboratory for VOC analysis according to NYSDEC ASP CLP Methods for quality assurance/quality control (QA/QC) purposes. The regional soil sample analytical results are summarized in **Table 7**. A discussion of the regional soil sample analytical results is provided in **Section 4.5**.

2.8.4 Groundwater Analysis

Groundwater samples were collected at the Site from the HydroPunch borings and monitoring wells. The HydroPunch groundwater samples were collected at depths ranging from 75 feet to 95 feet bgs. None of the HydroPunch groundwater samples were duplicated for analysis by Mitkem at the request of the NYSDEC. The depth of the groundwater samples collected from the monitoring wells ranged from 60 feet to approximately 220 feet bgs.

2.8.4.1 Hydropunch

HydroPunch groundwater samples collected during the drilling activities were analyzed for VOCs by the on-site PGC in accordance with EPA Method 8010/8020. A discussion of the HydroPunch groundwater sample analytical results is included in **Section 4.6**. A summary of the HydroPunch groundwater sample analytical results is included in **Table 7**.

2.8.4.2 Monitoring Wells

Groundwater samples were collected from the five newly installed monitoring wells (ITMW-00-11S through ITMW-00-15S), nine of the monitoring wells installed during the Phase I RI (ITMW-01S, ITMW-01D, ITMW-02S, ITMW-03S, ITMW-04D, ITMW-05S, ITMW-06S, ITMW-07S, and ITMW-08S), and two historic monitoring wells (MW-09 and MW-13). Technical problems encountered during the purging of monitoring wells ITMW-03D and ITMW-05D prevented the collection of groundwater samples from these monitoring wells during the Phase II RI. The groundwater sampling activities occurred from November 1 through November 7, 2000. Groundwater sample collection was performed in accordance with the approved *RI Work Plan*. The monitoring wells were gauged and purged dry, or of approximately four well volumes (until pH, conductivity, and temperature stabilized), just prior to collecting the representative groundwater sample.

The groundwater samples were shipped to Mitkem Laboratory to be analyzed using NYSDEC ASP –CLP protocols. All groundwater samples were analyzed according to ASP 95-1 for VOCs. **Table 8** summarizes the analytical results for the groundwater samples. A discussion of the groundwater sample analytical results is included in **Section 4.6**. In addition, QA/QC samples, field blanks, and trip blanks were submitted to Mitkem for analysis (as indicated in the *RI Work Plan*) and are included in the final laboratory analytical reports.

2.9 Aquifer Testing and Analysis

Subsurface water level measurements were recorded on November 1, 2000, as indicated on **Table 1**. Depth-to-water levels collected from the shallow monitoring wells were used to create the Water Table Elevation Map included as **Figure 6**. This figure was created in order to determine groundwater flow direction and gradient, and any correlation between the shallow and deep groundwater. The results of these measurements are discussed in **Section 3.2**.

Slug testing was conducted on two shallow monitoring wells (ITMW-03S and ITMW-09S) and two deep monitoring wells (ITMW-03D and ITMW-04D) during the RI. These data are discussed in the RI Report.

2.10 Disposal Characterization

Investigation Derived Waste (IDW) was generated from two processes. The first process included subsurface soil and groundwater investigation activities both on and off-site. The second process was the investigation of the dry wells located on the west side of the Site building. The IDW is composed of extracted environmental media (soil, groundwater) and miscellaneous waste (non-native sampling materials) potentially contaminated with spilled material from historical operations at the Site. The potential for the IDW to contain spent solvents (primarily PCE) resulted in a contained-in determination of the IDW for hazardous waste characteristics (primarily toxicity).

2.10.1 Investigation Derived Waste (IDW) – Water

IDW-Water was generated from the following investigative activities:

- Decontamination of equipment;
- Monitoring well development;
- Purging of monitoring wells during the sampling event; and,
- Removal of fluids from the dry wells located on the west side of the Site building.

Waste water was stored in USDOT-approved 55-gallon drums. Drum lids and bungs were secured while staged on-site. Drums were affixed with the appropriate labels for the duration which they were staged at the site.

2.10.2 Investigation Derived Waste (IDW) – Soil

IDW-Soil was derived from the following investigative activities:

- Monitoring well installations;
- Shallow soil borings;
- Removal of sludge and debris from the dry wells located on the west side of the Site building.

IDW-Soil generated during the monitoring well installations was placed in bulk into roll-off containers by American Auger. IDW-Soil generated during the advancement of the geoprobe

borings and from the dry wells was containerized non-bulk in USDOT approved 55-gallon drums. Drum lids and bungs were secured while staged on-site. Drums were affixed with the appropriate labels for the duration which they were staged at the site.

2.10.3 Investigation Derived Waste (IDW) – Miscellaneous Waste

Miscellaneous IDW was generated during each of the Phase II RI activities. Miscellaneous IDW was composed of non-native sampling materials (gloves, plastic bags, used sample containers, etc.), plastic liners used for the construction of the decontamination pad, and any other material used at the site which could have come into contact with native materials (soil and water) found at the Site. Miscellaneous IDW was containerized in USDOT approved 55-gallon drums. Drum lids and bungs were secured while staged on-site. Drums were affixed with the appropriate labels for the duration which they were staged at the site.

2.10.4 IDW Characterization Sampling and Analysis

Characterization sampling and analysis was required for the IDW-Water from the off-site locations. The sampling performed was to assess toxicity per EPA Method 8260 for VOCs, with the target compound being PCE. Generator knowledge was used to characterize toxicity for other compounds (e.g. heavy metals) and for the other characteristics: corrosivity, reactivity, and ignitability. These latter characteristics were determined to not exceed hazardous waste criteria. Characterization for corrosivity, reactivity and ignitability was based upon field observations and/or previous sampling in similar source areas. Characterization sampling was not necessary for the IDW-Soil and IDW Miscellaneous waste streams; the characteristics were established as being similar to previously generated waste profiles.

The analysis of the characterization sampling for IDW-Water determined that most wells within the plume exhibit concentrations of PCE from 1,000 to 50,000 micrograms per liter ($\mu\text{g/L}$) (in excess of the 700 $\mu\text{g/L}$ hazardous threshold). Thus, the IDW-Water was managed as a hazardous waste. Upgradient monitoring wells and monitoring wells along the periphery of the plume did not exhibit concentrations of PCE in excess of 700 $\mu\text{g/L}$; therefore, personnel performing activities at these locations managed the generated IDW-Water as non-hazardous waste.

IDW-Soil and IDW-Miscellaneous Waste were managed as non-hazardous waste based upon the criteria set forth in previously generated waste profiles.

2.10.5 Transport and Disposal of IDW

The transport and disposal of the IDW-Water and non-bulk IDW-Soil were managed by Philip Services Corporation (PSC) of Hatfield, Pennsylvania. The IDW-Water exhibiting hazardous characteristics is to be treated and disposed of at the Norlite Corporation Aggregate plant in Cohoes, New York. The IDW-Water that does not exhibit hazardous characteristics is to be treated and disposed of at the Dellora Waste Water Treatment Plant in Hatfield, Pennsylvania. The non-bulk IDW-Soil is to be disposed of at a Subtitle C landfill. IDW-Miscellaneous was containerized in drums. All containers generated during the Phase II RI activities managed by PSC are to be documented on one hazardous waste manifest.

The transport and disposal of the bulk IDW-Soil were continued to be managed by S&W Waste, Inc. (S&W) of South Kearny, New Jersey. S&W is to transport the tarped rolloff containers to The Grows landfill in Falls Township, Pennsylvania. The bulk IDW-Soil is to be documented on a New Jersey non-hazardous waste manifest.

2.11 QA/QC Samples and Results

QA/QC measures were taken to ensure sample integrity and to maintain confidence in the resultant data. QA/QC samples were collected in accordance with the approved *RI Work Plan*. The results of the QA/QC samples were reviewed by IT Corporation personnel. Copies of the analytical report summaries are included in **Appendix B**.

3.0 ENVIRONMENTAL AND PHYSICAL SETTING

Detailed descriptions of the topography, climate, surrounding land use, regional geology, physical site characteristics, surface water, and regional hydrogeology in the vicinity of the site can be found in *The RI Report* (Sections 3.1, 3.2, 3.3, 3.4.1, 3.5, 3.6, 3.7.1, respectively).

3.1 Site Geology

The Site is located in central Long Island, which generally consists of approximately 1,000 to 1,500 feet of unconsolidated sediment. The most recent deposit is from the Wisconsin Continental Glacier in the Pleistocene Era. This deposit is known as the Ronkonkoma Terminal Moraine and is composed of sand, gravel, and boulders with occasional silt and clay lenses. The thickness of the glacial deposit varies across the island. Below the Upper Pleistocene Glacial Deposit is an Upper Cretaceous coastal deposit of gray and white, fine to medium silty sand and gravel with lenses of coarse sand and clay known as the Magothy Formation. Below the Magothy Formation are the Raritan Clay Member and the Lloyd Sand Member, respectively, with increasing depth. Below the unconsolidated sediment is an erosional bedrock surface.

The investigation conducted at the Oser Avenue OU1 Site encountered sediments ranging in depth from surface to approximately 242 feet below ground surface. Approximately the top one foot of sediment was fill material consisting of non-native sand, gravel, brick fragments, and miscellaneous debris. Pleistocene Glacial Deposits were present beneath the fill material to depths of approximately 200 feet bgs. These deposits consisted primarily of poorly sorted sand and gravel. Localized lenses of fine sand, silt, and/or clay were also encountered at several locations throughout the site. A layer of clay was found between the glacial deposits and the Magothy formation. The thickness of the clay layer varied across the Site from approximately five feet to six inches. The extent and continuity of this layer has not been conclusively determined. The sediments encountered within the Magothy Formation consisted primarily of silty sands with isolated lenses of clay and organic material.

A detailed soil investigation was performed in the vicinity of the dry wells located on the west side of the Site building. Soil samples were collected on a continuous basis to the depths achievable by the selected drilling method and were classified according to the USCS by an IT Corporation geologist. As found elsewhere on the Site, the surficial deposits were

predominantly composed of poorly sorted sand and gravel. However, small variations were observed. Several thin (1 to 24 inch) lenses of well sorted (fine or coarse) sands and silty sands were noted. These lenses occur at varying depths and may act to aid in the lateral dispersion of contaminants. These lenses, however, do not appear to be laterally pervasive (interconnected through the area) which would limit the extent of vertical dispersion. Additionally, the fine grain lenses act as barriers which could impede the vertical migration of the contaminants found at the site. These observations are illustrated on a cross section included on **Figure 5**.

3.2 Site Hydrology

There are two primary aquifers in the region. One is the Upper Pleistocene and the other is the deeper Magothy Aquifer. The Upper Pleistocene Formation is a glacial deposit consisting of sand, gravel, and boulders. The Magothy Formation is a coastal deposit consisting primarily of a silty sand. Farther northeast, the Smithtown Clay creates a permeability barrier between the Upper Glacial Aquifer and the Magothy. A thin clay unit was encountered between the Upper Glacial and Magothy formation at several borings across the Site. This may represent the outer boundary of the Smithtown Clay.

The Ronkonkoma terminal moraine creates the groundwater divide on Long Island. The groundwater divide traverses east to west across the north-central part of the island. Regionally, the Site is located in a recharge area, characterized by recharge from precipitation infiltrating through permeable ground cover or underground injection via septic or stormwater systems.

The following hydrogeologic data was collected during the Phase II RI:

- One gauging event (November 1, 2000) was performed to ascertain the direction and gradient of groundwater flow; and,
- Soil samples collected in the vicinity of the dry wells located on the west side of the Site building were analyzed for grain size distribution to determine vertical flow characteristics through sediments in this area.

The following sections present and discuss the data obtained as listed above.

3.2.1 Hydraulic Gradients and Groundwater Flow Direction

Shallow Groundwater (Water Table Conditions)

Water level data for the monitoring wells installed with screens intersecting or close to the water table were collected on November 1, 2000. The results of this and previous gauging events are summarized in **Table 1**. The data was used to create the Water Table Elevation Map included as **Figure 6**. The data presented in the *RI Report* indicated the potential presence of mounding conditions on the water table which could potentially lead to the transport of contaminants in a southerly direction. The addition of monitoring wells upgradient (south) of the Site have provided additional information proving that this is not occurring. A relatively strong northeastern gradient is present upgradient of the Site. The mounding observed during the RI was not observed in the November 1, 2000 gauging event. However, the gradient of the water table upgradient of the Site is significantly greater than observed across the Site property.

Hydraulic gradients of the water table on November 1, 2000 were calculated using the following equation:

$$I = \frac{h_1 - h_2}{D}$$

Where:

h_1 is the water elevation at point H_1 (upgradient)

h_2 is the water elevation at point H_2 (downgradient)

D is the distance between points H_1 and H_2

I is the hydraulic gradient

The hydraulic gradient from monitoring well ITMW-00-14S to ITMW-00-13S (upgradient) was 2.1 percent while from ITMW-00-13S to ITMW-8S (across the Site property) was 0.05 percent. The average gradient across the entire OU1 area was 0.6 percent. Despite the relatively flat nature of the water table underlying the Site, the gauging data, coupled with the chemical data, supports the finding that groundwater is moving in a northeasterly direction.

Deep Groundwater

Water levels recorded on November 1, 2000 in the deep monitoring wells at the site were consistent with those observed during previous gauging events. The *RI Report* presented a Potentiometric Map illustrating a general flow regime for the deeper levels within the Pleistocene glacial deposits. This map illustrated that groundwater found deeper in these sediments is

generally moving in the same direction. A similar map was not created with the data generated during the Phase II RI activities.

Vertical Flow

Three clusters of deep and shallow monitoring wells are present on OU1. The water level data for each of these clusters was evaluated in order to ascertain the vertical flow regime at the Site. Two of the three clusters indicated a downward flow while one indicated an upward flow. Most of the data, however, is not valid for a determination of vertical flow. In order to accurately determine vertical flow conditions in an unconfined aquifer, monitoring wells must be installed with identical screen lengths within homogenous materials (similar lithology). The deep monitoring well from the cluster which exhibited an apparent upward flow (monitoring wells ITMW-1S and ITMW-1D) was installed in a portion of the aquifer which had thin clay lenses. These lenses likely created localized areas within the aquifer which are under increased hydrostatic pressure. This could indicate that upward flow is occurring in isolated portions of the aquifer but would not influence the predominant flow direction. One other cluster (monitoring wells ITMW-3S and ITMW-3D) had screens of different lengths (20 feet in the shallow monitoring well versus 10 feet in the deep monitoring well). This cluster indicated a downward flow. The fact that the screens were of different lengths technically invalidates the data, however, it still indicates downward flow. Monitoring wells ITMW-5S and ITMW-5D were both installed with identical screen lengths which are located in homogenous material. On November 1, 2000, this cluster indicated a downward flow direction with a difference in hydraulic head of 0.21 feet. This data further suggests that the Site is located in a hydrogeologic recharge area.

3.2.2 Hydraulic Conductivities and Flow Velocities

Site specific hydraulic conductivity was evaluated during the RI performed at the Site. This involved conducting slug tests on monitoring wells ITMW-3D, ITMW-3S, and ITMW-1S. Comparison of the slug test data to published data, as well as through consultation with the Suffolk County Department of Health Services, indicated that the conductivity values obtained for the Site were significantly lower than what is expected in similar formations. Therefore, an average conductivity value for Suffolk County, as directed by the Suffolk County Department of Health Services, of 250 feet per day will be used for subsequent discussions and calculations. A discussion of the slug tests and subsequent analysis are included in the RI Report.

Groundwater flow velocity was evaluated in the RI Report. However, it is being calculated again in this report using the newly obtained gradient observed across the entire area of OU1. Horizontal groundwater velocity was calculated using the following parameters: average hydraulic conductivity 250 feet per day, an assumed porosity of 0.25, and a uniform constant

aquifer with a continuous formation thickness of 200 feet from ITMW-3S to ITMW-7S. Groundwater gauging data collected on November 1, 2000 at ITMW-3S (h_1) and ITMW-7S (h_2) were used to determine the head at each location using the following equation:

$$q_1 = \frac{K(h_1^2 - h_2^2)}{2L}$$

Where:

h_1 is the head at the origin

h_2 is the head at L

K is the hydraulic conductivity

L is the distance from the origin at the point where h_2 is measured

q_1 is the flow per unit width

Using the above parameters, a q_1 of 51.82 square feet per day (ft^2/day) was calculated. Then letting h_1 represent the thickness of the aquifer, V was calculated using the following formula:

$$V = \frac{q_1}{n_{\text{eff}}h_1}$$

Where:

V is the horizontal groundwater velocity

n_{eff} is the effective porosity

Using the above parameters, a horizontal groundwater flow velocity of 1.59 feet per day (feet/day) was calculated.

4.0 NATURE AND EXTENT OF SITE-RELATED IMPACTS

4.1 Format for Discussion of Results

A summary of detected chemical constituents is presented in **Tables 2** through **8**. Sample locations and analytical data summaries are shown on **Figures 3** through **8**. Certified analytical laboratory reports and chain-of-custody documentation were submitted under separate cover and are available on-file at the IT Corporation's Latham, New York office and at the NYSDEC office in Albany, New York. Results for solid matrix samples are reported in milligrams per kilogram (mg/kg). Results for liquid matrix samples are reported in $\mu\text{g/L}$. Results for gaseous matrix samples are reported in micrograms per cubic meter ($\mu\text{g/m}^3$).

The data obtained during this phase of the remedial investigation performed by IT Corporation will be discussed from the standpoint of concentrations, potential sources, and aerial and vertical distribution. This report will focus, where possible, exclusively on data generated during the OU 1 Phase II RI. Results from the RI will be included in the discussion should the more recent data provide additional insights into Site conditions. Data from historical investigations (not performed by IT Corporation) will be used in support of findings made by IT Corporation but will not be used to confirm any findings made in this report.

Sections 4.3, 4.4, 4.5, and 4.6 will provide a discussion of the findings of investigations of indoor air, soil gas, soil and groundwater contamination, respectively. Each of these sections will offer discussions pertaining to the various types of contaminants found at the Site followed by a summary citing trends in the data and any correlation with potential source areas.

4.2 Definition of Source Areas

A detailed discussion of the potential on- and off-Site sources is included in *The RI Report*. A discussion of additional insights regarding the potential contribution of each of the source areas is included in **Section 5**.

4.3 Indoor Air

Indoor air sampling was conducted within the buildings located at 90, 95, 100, and 110 Oser Avenue. A discussion of the methods of sample collection is included in **Section 2.3**. The indoor air sampling activities completed during the Phase II RI were conducted by IT Corporation personnel.

4.3.1 PCE

Samples collected from the 90, 95, and 100 Oser Avenue buildings during the Phase II RI indicated concentrations of PCE below the NYSDOH's Guideline value of $100 \mu\text{g}/\text{m}^3$. PCE concentrations in samples collected from these buildings ranged from below the laboratory reporting limit (outdoor ambient samples for 90 and 95 Oser Avenue) to $80 \mu\text{g}/\text{m}^3$ (NE Office and Conference Room at 95 Oser Avenue).

Indoor air samples collected from the 110 Oser Avenue building contained PCE concentrations ranging from $3 \mu\text{g}/\text{m}^3$ (outdoor sample) to $900 \mu\text{g}/\text{m}^3$ (Standard Assembly Room). Two of the indoor air samples collected from this building contained concentrations of PCE above the NYSDOH Guideline Value but below the Action Level of $1,000 \mu\text{g}/\text{m}^3$. The indoor air analytical results are summarized in **Table 2**. The analytical results from the indoor air sampling is illustrated on **Figure 3**.

4.3.2 Summary

Elevated concentrations of PCE, methanol, and methyl isobutyl ketone (MIBK) have historically been detected in indoor air samples collected from the 100 Oser Avenue Site building. As a result of these findings, the NYSDOH notified the owner of the building in a letter dated November 24, 1999 suggesting that the heating, ventilation, and air conditioning (HVAC) system be adjusted "to produce positive pressure conditions in the building". Subsequent to making these adjustments, additional indoor air samples were collected which indicated that the indoor air concentrations of PCE were lowered to below the NYSDOH Guideline Value. The indoor air samples collected from the 100 Oser Avenue building during the Phase II RI confirmed that concentrations of PCE remained below the NYSDOH Guideline value.

Indoor air samples collected from the 90 and 95 Oser Avenue buildings were collected for the first time during the Phase II RI. Analytical results found detectable concentrations of PCE in all samples, however, none exceeded the NYSDOH Guideline Value of $100 \mu\text{g}/\text{m}^3$.

Indoor air samples collected from the 110 Oser Avenue building during the RI activities indicated concentrations of PCE above the NYSDOH Guideline Value. As a result, the NYSDOH sent a letter to the owner of the building suggesting that adjustments be made to the HVAC system at the 110 Oser Avenue building in an effort to produce positive pressure conditions in all parts of the building. Indoor air samples collected during the Phase II RI activities indicated that concentrations of PCE remained above the NYSDOH Guideline Value. This suggests that the adjustments to the HVAC system were ineffective in diminishing PCE concentrations to levels below the NYSDOH Guideline Value.

4.4 Soil Gas

Soil gas samples were collected from 10 feet below grade at each of the 19 sampling locations installed by IT Corporation. Four additional soil gas samples were collected from permanent sampling points located on the west side of the Site building (the origin and construction details of which are unknown). Soil gas sampling locations and results are illustrated on **Figure 4**. The soil gas samples were analyzed in accordance to EPA Method TO-14 for VOCs by the PGC. A more detailed discussion of the sampling methods is included in **Section 2.4**.

4.4.1 Analytical Results

Soil gas samples were analyzed by the PGC in accordance to EPA Method TO-14 for VOCs. The analytical results indicated elevated concentrations of PCE, ranging from non-detect to 150,000,000 $\mu\text{g}/\text{m}^3$. Additional constituents were detected within the soil gas samples including trichloroethene (TCE), toluene, and methylene chloride. Methylene chloride was also detected in the QA/QC blanks analyzed by the PGC, indicating that it was likely present in the dilution water, not in the soil gas samples. A summary of the soil gas analytical results is included in **Table 3**. Soil gas analytical results are illustrated on **Figure 4**.

4.4.2 Summary

The soil gas sampling conducted during the OU1 Phase II RI activities was done in an attempt to define the 1,000 $\mu\text{g}/\text{m}^3$ PCE iso-concentration contour line, per the request of the NYSDOH. The soil gas data from both the RI and Phase II RI activities are plotted on the Soil Gas Map included as **Figure 4**. These data were used to plot the iso-concentration contours shown on this figure. The 1,000 $\mu\text{g}/\text{m}^3$ iso-contour line has been defined to the north and west of the Site. As can be seen on **Figure 4**, the soil gas plume has not been defined to the south or west of the

Site. Soil gas will generally flow radially from a source area. The extension of the soil gas plume to the northeast, along the axis of groundwater flow, may be a result of PCE degassing from groundwater. However, the northeast trend depicted in **Figure 4** is primarily driven by the PCE concentration detected in the sample collected from boring ITSG-38. The integrity of this data is suspect due to the significantly lower PCE concentrations observed in nearby soil gas sample locations. Indoor air samples collected by the NYSDOH from homes in the area of boring ITSG-38 do not indicate a significant soil gas plume at a depth that would impact basements of residences along Holiday Park Drive.

IT Corporation does not believe that the soil gas impacts observed south (hydraulically up-gradient) of the Site are necessarily migrating from the site. The properties to the south of the Site are industrial and have a history of chemical releases (summarized in the *Phase I RI Report*). It is believed that the 1,000 $\mu\text{g}/\text{m}^3$ PCE iso-concentration contour line, with respect to the Site impacts, has been adequately defined.

4.5 Soil Impacts

A detailed description of the sampling strategy and protocol is outlined in **Section 2.5**.

4.5.1 Organics

Soil samples were collected during the advancement of borings ITMW-00-11S and ITMW-00-12S and were analyzed by the PGC. None of the soil samples collected during the advancement of ITMW-00-11S (located in the northwest corner of the 110 Oser Avenue property) contained concentrations of VOCs above the respective laboratory reporting limits. Concentrations of PCE and toluene were detected in several soil samples collected from ITMW-00-12S (located in the northeast corner of the 90 Oser Avenue property and immediately west of the stormwater recharge basin which is located further to the east). PCE concentrations ranged from below the laboratory reporting limit to 0.028 mg/kg. Concentrations of toluene ranged from below the laboratory reporting limit to 0.0079 mg/kg. All reported concentrations were below the respective NYSDEC Recommended Soil Cleanup Objective (RSCO) as presented in the Technical and Administrative Guidance Memorandum 4046 (TAGM 4046).

Soil samples were collected from borings ITUOSB-01 and ITUOSB-02, located in the vicinity of the former used-oil UST. PCE was detected in each of the soil samples at 0.068 and 0.049 mg/kg, respectively. Both concentrations are below the NYSDEC TAGM 4046 RSCO of 1.4

mg/kg. No other VOCs were detected in either soil sample. Soil sample analytical results are summarized in **Table 4** and are illustrated on **Figure 5**.

Soil samples were collected from borings ITDWSB-01 through ITDWSB-06, located near the dry wells on the west side of the Site building. PCE concentrations ranged from 0.069 to 9,400 mg/kg. Nine of the 12 soil samples collected from these borings contained PCE concentrations exceeding the NYSDEC TAGM 4046 RSCO. In addition, 1,1-dichloroethane (DCA) was detected in the soil sample collected from 15 to 20 feet bgs in boring ITDWSB-2 at 0.002 mg/kg (which is below the NYSDEC TAGM 4046 RSCO). Additional VOCs were not detected in other soil samples collected from these borings. VOC soil sample analytical results are summarized in **Table 4** and are illustrated on **Figure 5**.

4.5.2 Inorganics

The 12 soil samples collected in the vicinity of the dry wells located on the west side of the 100 Oser Avenue building were submitted to Mitkem for metals analysis. Six metals were detected above the TAGM 4046 RSCO's and one was detected which does not have a TAGM 4046 RSCO:

- Antimony does not have a TAGM 4046 RSCO and was detected in soil samples ITDWSB-2 (15 to 20 feet bgs, 1.6 mg/kg), ITDWSB-4 (16 TO 20 feet bgs, 1.0 mg/kg), ITDWSB-5 (16 TO 20 feet bgs, 0.98 mg/kg), ITDWSB-6 (10 TO 16 feet bgs, 1.9 mg/kg), and ITDWSB-6 (30 TO 32 feet bgs, 1.2 mg/kg);
- Beryllium was detected above the TAGM 4046 RSCO of 0.16 mg/kg in soil sample ITDWSB-03 (16 to 20 feet bgs, 0.22 mg/kg);
- Chromium was detected above the TAGM 4046 RSCO of 10 mg/kg in soil samples ITDWSB-2 (28 to 32 feet bgs, 31.7 mg/kg), ITDWSB -03 (16 to 20 feet bgs, 18 mg/kg), ITDWSB-04 (32 to 36 feet bgs, 12.6 mg/kg), and ITDWSB-05 (28 to 32 feet bgs, 13.9 mg/kg);
- Copper was detected above the TAGM 4046 RSCO of 25 mg/kg in soil sample ITDWSB-06 (10 to 16 feet bgs, 65.7 mg/kg);
- Iron was detected above the TAGM 4046 RSCO of 2,000 mg/kg in soil samples ITDWSB-01 (17 to 21 feet bgs, 3,860 mg/kg), ITDWSB-01 (33 to 37 feet bgs, 3,960), ITDWSB-02 (15 to 20 feet bgs, 5,450 mg/kg), ITDWSB-02 (28 to 32 feet bgs, 7,010 mg/kg), ITDWSB-03 (16 to 20 feet bgs, 8,470 mg/kg), ITDWSB-04 (16 to 20 feet bgs, 3,900 mg/kg), ITDWSB-04 (32 to 36 feet bgs, 5,320 mg/kg), ITDWSB-05 (16 to 20 feet bgs, 3,350 mg/kg), ITDWSB-05 (28 to 32 feet bgs, 5,560 mg/kg), ITDWSB-06 (10 to 16 feet bgs, 3,410 mg/kg), and ITDWSB-06 (30 to 32 feet bgs, 3,510 mg/kg); and

- Zinc was detected above the TAGM 4046 RSCO of 20 mg/kg in soil sample ITDWSB-06 (10 to 16 feet bgs, 123 mg/kg).

A majority of the metals listed in TAGM 4046 suggest RSCO's based on "site background". The document also provides typical values for background concentrations in the Eastern United States. The zinc concentration detected in ITDWSB-06 (10 to 16 feet bgs, 123 mg/kg) was the only soil sample which contained a concentration of a metal exceeding the listed Eastern USA background range (9 to 50 mg/kg). The remaining detected metals were either within the range of the Eastern USA site background concentrations or did not have a published TAGM 4046 RSCO. Because of this, combined with the lack of evidence of historical sources or metals contamination at the Site, metals are not considered to be a significant concern in soils at the Site. Soil sample analytical results for metals are summarized in **Table 5**.

4.5.3 Physical Characteristics

Select soil samples collected during the dry well investigation were also submitted to Mitkem for TOC and grain size distribution analysis. The results of the grain size analyses are consistent with those observed during the RI which indicated that the sediments are composed of a poorly sorted sand with a small fraction of fine grained sediments. The TOC analysis revealed slightly higher concentrations than were observed elsewhere on the Site during the RI. Additionally, a background sample was collected from approximately three feet bgs from the wooded area on the north side of the Site for comparative purposes. The slightly higher results observed in the area surrounding the dry wells is likely a result of the increased amount of natural organic material (leaves, brush, etc.) found in the dry wells and adsorbed VOCs than are found elsewhere on the Site. The results of the TOC and grain size analyses are summarized in **Table 6**.

4.5.4 Summary

The following conclusions can be drawn regarding the observed impacts to soils at the Site:

- **Metals:** Concentrations of beryllium, chromium, copper, and zinc were detected above the respective TAGM 4046 RSCO's in soil samples collected in the vicinity of the dry wells on the west side of the 100 Oser Avenue building. However, only one soil sample contained a concentration of a metal in excess of the listed Eastern USA background concentration. The soil sample collected from boring ITDWSB-06 (10 to 16 feet bgs) contained a concentration of zinc (123 mg/kg) which slightly exceeded the listed Eastern USA background range (9 to 50 mg/kg). Because of this, combined with the lack of

evidence of historical sources or metals contamination at the Site, metals are not considered to be a significant concern in soils at the Site.

- **VOCs:** PCE was the only VOC constituent detected at a concentration in excess of TAGM 4046 RSCO's. Soil samples which contained concentrations of PCE in excess of the TAGM 4046 RSCO were isolated to the western side of the 100 Oser Avenue building. Soil samples collected from borings ITMW-00-11S and ITMW-00-12S did not contain concentrations of PCE above the TAGM 4046 RSCO.
- **Physical Characteristics:** The grain size analysis showed that the sediments found in the vicinity of the dry wells located on the west side of the Site building are consistent with those found elsewhere on the Site. TOC concentrations are slightly elevated in and around these dry wells relative to elsewhere on the Site. This is likely a result of the increased amount of natural organic material found in the dry wells as well as the increased amount of adsorbed VOCs found in the sediments in this area.

As stated in the *RI Report* metals are not considered constituents of concern in native soil at the Site at this time. Due to the magnitude and abundance of PCE impacts to soils found on the west side of the 100 Oser Avenue building, PCE remains the only organic chemical of concern.

4.6 Groundwater Impacts

A detailed description of the sampling strategy and protocol is outlined in **Section 2.7**.

4.6.1 Organics

4.6.1.1 Hydropunch Groundwater Samples

IT Corporation collected discrete groundwater samples from depths ranging from 75 to 95 feet bgs utilizing HydroPunch technology during the advancement of borings ITMW-00-11S, ITMW-00-12S, ITMW-00-14S, and ITMW-00-15S. The groundwater samples collected from the HydroPunch were analyzed for VOCs by the on-site PGC. HydroPunch groundwater samples contained detected concentrations of PCE, 1,1,1-trichloroethane (1,1,1-TCA), and toluene.

PCE and toluene were detected at concentrations exceeding the Division of Water – Technical and Operations Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values (TOGS). Toluene was detected above the TOGS Standard in the groundwater sample collected during the advancement of ITMW-00-11S.

PCE was detected at concentrations in excess of the TOGS Standards in each HydroPunch groundwater sample with the exception of the one collected during the advancement of ITMW-00-11S. Dissolved concentrations of PCE ranged from below the laboratory reporting limit in the sample collected at 85 feet bgs from ITMW-00-11S to 12,000 µg/L in the groundwater sample collected at 75 feet bgs from ITMW-00-12S.

Groundwater sample analytical results are summarized in **Table 7**.

4.6.1.2 Shallow Groundwater Monitoring Well Samples

Groundwater samples collected from the shallow monitoring wells contained concentrations of PCE, total (cis- and trans-) 1,2-dichloroethene (1,2-DCE), TCE, and carbon disulfide. Carbon disulfide was not detected in excess of the NYSDEC TOGS Water Quality Standards.

Dissolved Concentrations of PCE ranged from below the laboratory reporting limit in monitoring well ITMW-00-11S to 79,000 µg/L in monitoring well MW-13. Dissolved PCE concentrations detected in all shallow monitoring wells sampled, with the exception of ITMW-00-11S, exceeded the NYSDEC TOGS Water Quality Standard of 5 µg/L. **Figure 7** illustrates the PCE concentrations detected in shallow groundwater monitoring wells at the Site.

Concentrations of 1,2-DCE ranged from below the laboratory reporting limit (ITMW-01S, ITMW-02S, ITMW-03S, ITMW-05S, ITMW-06S, ITMW-07S, ITMW-00-11S, ITMW-00-12S, ITMW-00-14S, ITMW-00-15S, and MW-09) to 770 µg/L (MW-13). The detected concentrations of 1,2-DCE in monitoring wells ITMW-08S, ITMW-00-13S, and MW-13 exceeded the NYSDEC TOGS Water Quality Standard of 5 µg/L.

Concentrations of TCE ranged from below the laboratory reporting limit (ITMW-01S, ITMW-02S, ITMW-05S, ITMW-06S, ITMW-00-11S, ITMW-00-12S, ITMW-00-14S, ITMW-00-15S, and MW-09) to 560 µg/L (MW-13). The detected concentrations of TCE in monitoring wells ITMW-03S, ITMW-07S, ITMW-08S, ITMW-00-13S, and MW-13 exceeded the NYSDEC TOGS Water Quality Standard of 5 µg/L.

Groundwater sample analytical results are summarized in **Table 8**.

4.6.1.3 Deep Groundwater Monitoring Well Samples

Groundwater samples collected from the deep monitoring wells contained concentrations of PCE; TCE; 1,1-dichloroethene (1,1-DCE); 1,2-DCE; 1,1,1-TCA; acetone; and 1,1,2-trichloro-1,2,2-trifluoroethane (freon 113). Concentrations of acetone were not detected above the NYSDEC TOGS Water Quality Standard. **Figure 8** illustrates the PCE concentrations detected in shallow groundwater at the Site.

- PCE concentrations ranged from 8 µg/L (ITMW-04D) to 390 µg/L (ITMW-01D). The detected concentrations of PCE in monitoring wells ITMW-01D and ITMW-04D exceeded the NYSDEC TOGS Groundwater Quality Standard of 5 µg/L.
- TCE concentrations ranged from 5 µg/L (ITMW-04D) to 87 µg/L (ITMW-01D). The detected concentrations of TCE in monitoring wells ITMW-01D (87 µg/L) and ITMW-04D (5 µg/L) met or exceeded the NYSDEC TOGS Groundwater Quality Standards.
- 1,1-DCE concentrations ranged from 2 µg/L to 27 µg/L. The detected concentration of 1,1-DCE in monitoring well ITMW-01D (27 µg/L) exceeded the NYSDEC TOGS Water Quality Standard of 5 µg/L.
- 1,2-DCE concentrations ranged from below the laboratory reporting limit (ITMW-04D) to 9 µg/L (ITMW-01D). The detected concentration of 1,2-DCE in monitoring well ITMW-01D (9µg/L) exceeded the NYSDEC TOGS Water Quality Standard of 5 µg/L.
- 1,1,1-TCA concentrations ranged from 10 µg/L (ITMW-04D) to 99 µg/L (ITMW-01D). The detected concentrations of 1,1,1-TCA in monitoring wells ITMW-01D (99µg/L) and ITMW-04D (10 µg/L) exceeded the NYSDEC TOGS Groundwater Quality Standard of 5 µg/L.
- 1,1,2-trichloro-1,2,2-trifluoroethane ranged from below the laboratory detection limit (ITMW-04D) to 11 µg/L (ITMW-01D). The detected concentration of 1,1,2-trichloro-1,2,2-trifluoroethane in monitoring well ITMW-01D exceeded the NYSDEC TOGS Groundwater Quality Standard of 5 µg/L.

4.6.2 Summary

Six VOCs were detected at concentrations above their respective laboratory reporting limits. However, PCE was the only compound present at concentrations substantially exceeding the NYSDEC TOGS Groundwater Quality Standard. A majority of the PCE impact appears to be isolated to the shallow depths of the aquifer in the upper Pleistocene sediments. Vertically, the plume does extend to the top of the Magothy Formation at low concentrations, significantly exhibiting decreasing concentrations with depth. The horizontal extent of the plume extends across the site and is observed in most sampling locations. PCE therefore, remains the primary

VOC which poses a concern at the site, extending beyond the boundaries of OU1 in the direction of the residential properties to the north.

5.0 SUMMARY AND CONCLUSIONS

Section 5.0 was developed to summarize the overall findings of the Phase II RI. Extensive discussion will only be provided for additional insights achieved in light of data obtained during the Phase II RI. Reference will be made to the RI Report for areas where the conclusions remain valid. Efforts were made to include all of the major findings of the Phase II RI in this section, however, the reader is directed to the RI Report for details regarding the following subjects:

- Site history;
- Chronology and summary of past investigations; and,
- Environmental and physical setting of the Site.

Specific details regarding the following subjects can be found in the body of this report:

- Methodology of the Phase II RI investigation;
- Data quality control and assurance procedures;
- Specific findings of the Phase II RI; and,
- Distribution of chemicals of concern.

This summary is organized according to the general order of the Phase II RI Report.

5.1 Purpose and Objectives of Phase II RI

The current owner of the site, Mr. Anwar Chitayat entered into an Order on Consent (Consent Order) with the NYSDEC to conduct an RI at the Site to obtain more comprehensive contaminant characterization, and to complete a Feasibility Study to develop and evaluate remedial alternatives for the Site. The results of the RI were presented in the *RI Report* dated October 5, 2000. Following the completion of the RI, it was determined that additional data was needed in order to fully characterize the contaminants found at the Site. Additional site activities included the advancement of soil borings in the vicinity of the former used-oil UST and dry wells on the west side of the Site building, evacuation of the contents of the dry wells, and the installation of additional up- and cross-gradient groundwater monitoring wells. Based upon data obtained during the RI, and additional data obtained during subsequent drilling activities, the NYSDEC determined that future investigative and remedial activities would be simplified if the

Site were divided into two operational units. This report focuses on additional data obtained for OU1 which includes the industrial properties located at 90, 100, and 110 Oser Avenue. The chemical constituents that were detected in site soils during the remedial investigation were compared, when applicable, to RSCOs as provided in the NYSDEC TAGM 4046. Chemical constituents detected in groundwater were compared to the TOGS. These soil and water objectives were referenced for comparative purposes only throughout this document. Risk based clean up goals should be developed through the completion of a site specific quantitative risk assessment. Final site-specific soil and groundwater clean up levels will be presented in the Feasibility Study Report.

5.2 Site Description and Site History

The Site includes approximately two and one-half acres of land in the Heartland Industrial Park in the Town of Hauppauge, Suffolk County, New York. The property is bounded to the south, east, and west by similar light industrial properties, and to the north by several residential properties. The development of the Site occurred during the late 1960's or early 1970's. Site structures include an occupied single one-story masonry building, roughly 24,000 square feet in area, located in the southern half of the property, adjacent to Oser Avenue.

Prior to the current ownership and operations at the Site, the property was leased to Sands Textile Corporation in the 1980's who utilized the building for textile manufacturing, reportedly disposing of chlorinated solvents, including PCE, at the Site.

Several other properties in the industrial park located up-gradient to the southwest are, or have been, the subject of investigations or remedial efforts related to chlorinated VOC contamination.

5.3 Overview of Site Investigations

During the period of 1990 to 1992, several investigation reports were completed for the Site to evaluate environmental conditions. These historical investigations reported that several potential source areas of contamination existed at the Site, including drain pools, septic systems, open pits within the building, above and underground storage tanks, sumps, up-gradient off-site sources, and an electrical transformer.

The previous investigations provided evidence that impacts to the Site include VOCs and metals, and the affected media included soil gas, soil, and groundwater. The primary chemical detected by these investigations was PCE.

5.4 Remedial Investigation Methodology

During the Phase II RI, indoor air, soil gas, soil, and groundwater samples were collected and analyzed according to the *Work Plan*. These samples were collected in order to provide additional data pertaining to surface and subsurface Site conditions. For a description of the *Work Plan*, refer to **Section 2.0**.

Indoor air samples were collected within the buildings located at 90, 95, 100, and 110 Oser Avenue. Soil gas samples were collected across the Site, beneath the Site building foundation, and from adjacent properties to the east, west, north, and south. Soil samples were collected from borings located on adjacent properties to the east and west of the Site. Groundwater samples were collected on-site and off-site through four temporary sampling points and from 16 permanent monitoring wells.

Samples were either analyzed using an on-site PGC laboratory or a NYSDEC-approved fixed laboratory, according to the protocol established in the *RI Work Plan* and/or the *Work Plan*.

5.5 Data Quality Control and Quality Assurance

Several soil samples collected during the advancement of the borings for monitoring wells ITMW-00-11S and ITMW-00-12S were also submitted to Mitkem for VOC analysis for QA/QC purposes. A table comparing these results to the results obtained from the PGC is included as **Table 9**. According to Mitkem, several, if not all, of the soil samples contained detectable concentrations of methylene chloride, acetone, and 1,1,1-TCA. Methylene chloride and acetone are common laboratory artifacts. All detected concentrations of 1,1,1-TCA in these soil samples were also detected in the laboratory method blank. This indicates that these detected constituents are likely a result of laboratory cross contamination. Additionally, according to Mitkem, the soil sample collected from 69 to 71 feet bgs during the advancement of the boring for monitoring well ITMW-00-12S contained detectable concentrations of benzene, ethylbenzene, and xylenes. These constituents were not detected during the analysis by the

PGC. These constituents were detected at concentrations near the detection limit for the PGC. All detected constituents in these soil samples, according to both Mitkem and the PGC, were present at concentrations below the respective TAGM RSCOs.

5.6 Site Geology

The Site is situated on (in descending order) approximately one-foot of fill material and 1,100 feet of clastic sediments. The fill consists primarily of bricks and rock fragments. The clastic sediments are described as (in descending order, with approximate thicknesses) Upper Pleistocene Glacial Deposits (80 feet), Lower Pleistocene Glacial Deposits (120 feet), Magothy Formation (600 feet), and the Raritan Member of the Lloyd Formation (300 feet). Precambrian Bedrock underlies the clastic sediments. Investigative studies conducted at the Site to date have focussed on the upper 242 (approximate) feet of the clastic sediments.

The Pleistocene deposits consist of poorly sorted sand and gravel with local lenses of fine sand, silt and/or clay. A localized layer of compact, tightly bound sand and gravel was encountered at approximately 100 feet below grade. The predominant grain size of the Pleistocene sediment was greater than 0.4 millimeters.

The sediments of the Magothy formation consisted predominantly of silty sands with isolated lenses of clay and organic material. At several locations in the southwestern portion of the Site, a thin layer of organic clay was noted between the Pleistocene Glacial Deposits and the Magothy Formation.

The Pleistocene and Magothy sediments represent aquifer materials. The thin clay lens represents an aquicludinal type sediment. However, the extent of the clay across the site has not been adequately defined.

5.7 Site Hydrogeology

The hydrogeologic regime at the Site consists of an aquifer in two sedimentary formations: the Pleistocene Sediments and the Magothy Formation. Regionally, the Site is located in a recharge area, characterized by recharge from precipitation infiltrating through permeable ground cover or underground injection via septic or storm water systems.

On the Site property, direct precipitation infiltration is expected to be minimal because the Site building and pavement cover approximately 75% of the ground surface. The majority of the unpaved, permeable ground cover is in the wooded area on the downgradient north end of the property. Storm water is directed to the subsurface through two dry well systems located on the west and north sides of the building, while sanitary waste water recharges to the subsurface through a sanitary septic system located on the south side of the building.

The water table occurs at approximately 65 to 70 feet below grade, and flows to the northeast at an average gradient of 0.6%. Site horizontal flow velocity of 1.59 ft/day was calculated using the hydraulic conductivity value obtained from the Suffolk County Department of Health Services, an assumed porosity of 25%, and a uniform constant aquifer with a continuous formation thickness of 200 feet.

Deep groundwater flow parameters were qualitatively measured utilizing monitoring wells at the Site. Well screens in these wells were set at varying depths and lengths to accommodate specific sampling objectives, and therefore, do not present an integrated set of aquifer data. However, the data suggests the existence of a downward gradient from shallower to deeper sediments due to an approximate difference in hydraulic head of 0.21 feet between deep and shallow wells.

5.8 Nature and Extent of Site Related Impacts

5.8.1 Impacts to Indoor Air

Indoor air quality was investigated inside the buildings located at 90, 95, 100, and 110 Oser Avenue. The results of the sampling events in all buildings were compared to the NYSDOH guidelines of 100 $\mu\text{g}/\text{m}^3$ as a Guideline Value and 1,000 $\mu\text{g}/\text{m}^3$ as an Action Level.

All samples collected on and off-site were below the 1,000 $\mu\text{g}/\text{m}^3$ Action Level. Concentrations of PCE in ambient air within the 100 Oser Avenue building remain below the NYSDOH Guideline Value. Indoor air samples were collected from the 90 and 95 Oser Avenue buildings for the first time during the Phase II RI. Concentrations of PCE were found at levels below the NYSDOH Guideline Value. In the 110 Oser Avenue building, PCE concentrations continue to be found at concentrations exceeding the NYSDOH Guideline Value despite adjustments to the HVAC systems. This suggests that the adjustments were ineffective in diminishing PCE concentrations to below NYSDOH guideline values.

Comparison of indoor air quality results to EPA Region III Risk Based Concentrations suggests that a quantitative risk assessment may be required to fully quantify risks associated with exposure to PCE in ambient air.

5.8.2 Impacts to Soil Gas

Additional soil gas sampling was conducted per the recommendations presented in the *RI Report*. This sampling was performed to further define the portion of the site with soil gas PCE concentrations exceeding $1,000 \mu\text{g}/\text{m}^3$. Additionally, permanent sampling points within and on the west side of the Site building were sampled. Review of the soil gas generated during the Phase II RI indicates that the northern and eastern portions of the Site have been adequately defined to the target PCE concentration of $1,000 \mu\text{g}/\text{m}^3$. The western and southern limits of the target PCE concentration have not been defined. However, IT Corporation feels that the limits of soil gas impacts directly related to the 100 Oser Avenue Site have been adequately defined.

Four historical permanent soil gas sampling points located on the west side of the Site building were sampled. New sampling points were also advanced in the vicinity of these permanent sampling points for comparative purposes. The analytical results for the historical permanent sampling points revealed significantly higher concentrations of PCE indicating that they may be installed at a depth other than 10 feet bgs.

The foundation soil gas sampling points were also resampled in order to establish baseline concentrations to monitor seasonal fluctuations and/or progress of any remedial activities. Analytical results indicated PCE concentrations ranging from 5,400,000 to 150,000,000 $\mu\text{g}/\text{m}^3$.

5.8.3 Impacts to Soil

Additional soil samples were collected from borings advanced on the 90 and 110 Oser Avenue properties as well as in the immediate vicinity of the dry wells located on the west side of the Site building. Analytical results confirmed the conclusion presented in the RI Report that soils located in the vicinity of the dry wells are the only soils at the site found to date with PCE concentrations exceeding the NYSDEC Guidance Value.

5.8.4 Impacts to Water

Additional monitoring wells were installed to the east, west, and south of the Site. Groundwater samples collected from monitoring wells installed to the south of the site contained significantly lower concentrations of PCE than are found on-site. This indicates that any contribution of PCE

from upgradient sources to on-site groundwater quality is less significant than the contaminant source at 100 Oser Avenue.

The groundwater sample collected from the monitoring well installed on the west side of the 110 Oser Avenue property did not contain concentrations of VOCs at or above laboratory reporting limits. The groundwater sample collected from the monitoring well installed on the east side of the 90 Oser Avenue property contained a PCE concentration of 12,000 µg/L.

Groundwater samples collected from several of the existing monitoring wells on the east side of the Site building contained concentrations of PCE which increased by over a factor of ten. The highest PCE concentrations in groundwater were still found on the west side of the Site building, near the dry wells.

5.9 Recommendations

Based upon a review of data obtained to date, it appears that the lateral and vertical extent of impacts related to historical release(s) at the Subject Property have been adequately defined. Specific recommendations regarding future remedial options will be addressed in the Feasibility Study.

However, IT Corporation has the following recommendations for additional investigative work necessary to eliminate other areas of the site as potential source areas:

- Additional soil and groundwater investigative work should be conducted through the foundation of the Site Building. Historical reports indicated the potential former presence of sumps located within the building which were used as drains for wash water. The former location of these structures has not been determined. These represent potential continual sources for the PCE observed in groundwater, soil gas, and indoor air.
- A quarterly groundwater sampling and gauging routine should be established in order to define and potential seasonal variability in groundwater flow characteristics as well as fluctuations in dissolved VOC concentrations.
- In light of the elevated concentrations of PCE in ambient air in the 100 and 110 Oser Avenue buildings, a regular indoor air sampling routine should be established. This would help to monitor the safety of personnel working in both buildings. Additionally, it would provide insight into the potential for seasonal fluctuations of gas phase PCE migration into surface structures at the Site.

- Due to the continued presence of concentrations of PCE in ambient air above the NYSDOH Guideline Value of $100 \mu\text{g}/\text{m}^3$ within the building located at 110 Oser Avenue, a study should be conducted to determine a feasible engineering control to reduce the observed concentrations.
- Due to the elevated PCE concentrations found in indoor air and in soil gas surrounding the 110 Oser Avenue property, a records search and potential intrusive investigation should be developed and performed in order to determine the potential for additional source areas located on this property.

TABLES

Table 1

Groundwater Monitoring Well Construction, Survey and Gauging Data

Operable Unit 1
100 Oser Avenue
Hauppauge, New York

Well ID	Date Installed	Screen Depth (below grade)	Overall Depth (below grade)	IOC (survey by A. Tay)	DTW 01/31/00 ITMW-1S & 2S = 2/3/00	Water Table Elevation 01/31/00	DTW 03/13/00	Water Table Elevation 03/13/00	DTW 11/01/00	Water Table Elevation 11/01/00
ITMW-1S	Nov 1999	64'-84'	85'	115.87	69.71	46.16	69.90	45.97	69.34	46.53
ITMW-1D / ITHP-2	Nov 1999	160'-180'	180'	115.71	69.3	46.41	69.57	46.14	68.97	46.74
ITMW-2S	Dec 1999	65'-85'	85'	116.07	69.74	46.33	69.84	46.23	69.26	46.81
ITMW-3S	Nov 1999	65'-85'	85'	116.23	69.97	46.26	70.17	46.06	69.69	46.54
ITMW-3D / ITHP-8	Nov 1999	221'-231'	231.5'	116.06	70.76	45.30	71.03	45.03	70.96	45.10
ITMW-4D / ITHP-6	Oct 1999	162'-182'	182.5'	116.25	69.89	46.36	70.11	46.14	69.70	46.55
ITMW-5S	Dec 1999	65'-85'	85'	116.19	70.08	46.11	70.22	45.97	69.93	46.26
ITMW-5D / ITHP-9	Nov 1999	165'-185'	187'	116.14	70.38	45.76	70.54	45.60	70.09	46.05
ITMW-6S	Dec 1999	70'-90'	90'	123.13	ng	-	77.16	45.97	76.73	46.40
ITMW-7S	Jan 2000	64'-84'	85'	109.55	63.71	45.84	63.79	45.76	63.52	46.03
ITMW-8S	Dec 1999	65'-85'	85'	116.21	71.3	44.91	70.31	45.90	69.56	46.65
SVE-1	Jan 2000	6'-16'	16'	115.91	ng	-	12.39	103.52	ng	-
ITMW-00-11S	Sep 2000	75'-95'	95'	130.29	na	-	na	-	83.95	46.34
ITMW-00-12S	Sep 2000	60'-80'	80'	108.81	na	-	na	-	62.73	46.08
ITMW-00-13S	Sep 2000	75'-95'	95'	120.08	na	-	na	-	73.23	46.85
ITMW-00-14S	Sep 2000	75'-95'	95'	124.12	na	-	na	-	74.22	49.90
ITMW-00-15S	Sep 2000	65'-85'	85'	116.41	na	-	na	-	69.45	46.96

Notes:

1) ng - indicates that the well was not gauged on that date.

2) na - indicates that these wells had not been installed at the time of this sampling event.

Table 2

Indoor/Outdoor Air Analytical Results

Oser Avenue
Hauppauge, New York

Sampling Location (see Figure 3)	PCE Analytical Result (ug/cu.m.)			
	09/99 ¹	12/99 ²	06/00 ²	09/00 ²
100 Oser Avenue				
NE Corner of parking lot (exterior)	nd	ns	ns	ns
SW Corner of property (exterior)	nd	ns	ns	ns
North of fire wall	550.4	48.5	ns	ns
South of fire wall, in hall	543.6	25.5	ns	ns
R&D lab	584.5	39.5	ns	ns
Training Room	509.6	24.5	ns	ns
Assembly (near stairwell)	ns	ns	70	ns
Hall (near bulletin board)	ns	ns	70	ns
Lab - Back Room	ns	ns	ns	ns
110 Oser Avenue				
NE Corner of parking lot	ns	nd	3	ns
C. Meyer's office	ns	480	ns	ns
T. Black's office	ns	440	90	ns
Lunch room	ns	635	400	ns
Machine shop	ns	490	ns	ns
Leo's room	ns	650	ns	ns
Standard assembly	ns	760	900	ns
90 Oser Avenue				
Store	ns	ns	ns	10
Office	ns	ns	ns	10
Boiler Room	ns	ns	ns	30
Ring Naming Machine	ns	ns	ns	60
Outdoor	ns	ns	ns	nd
95 Oser Avenue				
NW Vacant Room	ns	ns	ns	30
NE Office	ns	ns	ns	80
Conference Room	ns	ns	ns	80
Hall	ns	ns	ns	30
Outdoor	ns	ns	ns	nd

Notes: 1. Samples collected by IT Corporation using Summa canisters.
 2. Samples collected by IT Corporation using PCE Passive Sampling Devices.
 PCE Passive Samples analyzed by the NYSDOH.

Soil Gas Survey Analytical Results

NYSDEC - 100 Oser Avenue
Hauppauge, New York

Analyte	Soil Gas Survey Results (ug/cu.m.)								
	ITSG-00-39	ITSG-00-40	ITSG-00-41	ITSG-00-42	ITSG-00-43	ITSG-00-44	ITSG-00-45	ITSG-00-46	ITSG-00-47
Vinyl Chloride	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	nd	nd	nd	nd	nd	nd	nd	nd	nd
Methylene Chloride	nd	nd	nd	nd	nd	nd	nd	nd	nd
t-1,2-Dichloroethene	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1--Dichloroethane	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	nd	nd	nd	nd	nd	nd	nd	nd	nd
Carbon Tet.	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	nd	nd	nd	nd	nd	nd	nd	nd	nd
Trichloroethene	nd	nd	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	98,000	31,000	19,000	44,000	400	40,000	400,000	12,000	150,000
Benzene	nd	nd	nd	nd	nd	nd	nd	nd	nd
Toluene	nd	nd	nd	nd	nd	nd	nd	nd	nd
Chlorobenzene	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ethyl Benzene	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-xylene	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-xylene	nd	nd	nd	nd	nd	nd	nd	nd	nd
Method Detection Limit	100	20	20	20	20	20	200	20	100

Notes:

- 1) Samples were analyzed by STL's on-site Portable GC.
- 2) nd = not detected above the method detection limit
- 3) All soil gas samples were collected at a depth of 10 feet unless otherwise noted.
- 4) All soil gas samples were collected by IT Corporation.
- 5) for QA/QC samples: J indicates an estimated value (see lab reports), and E indicates the analyte exceeded the Calibration Range.

Table 3 (Continued)

Soil Gas Survey Analytical Results

NYSDEC - 100 Oser Avenue
Hauppauge, New York

Analyte	Soil Gas Survey Results (ug/cu.m.)									
	ITSG-00-49	ITSG-00-50	ITSG-00-51	ITSG-00-52	ITSG-00-52(2)	ITSG-00-53	ITSG-00-53(2)	ITSG-00-54	ITSG-00-55	ITSG-00-56
Vinyl Chloride	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Methylene Chloride	nd	600	nd	nd	600	nd	1,100	nd	nd	150,000
1,2-Dichloroethene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Carbon Tet.	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Trichloroethene	nd	nd	nd	nd	nd	nd	nd	nd	nd	80,000
Tetrachloroethene	77,000	2,500	800	nd	200	nd	nd	nd	200	4,800,000
Benzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Toluene	nd	200	nd	nd	100	nd	nd	nd	nd	nd
Chlorobenzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ethyl Benzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-xylene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-xylene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Method Detection Limit	40	20	20	20	20	20	20	20	20	4,000

Notes:

- 1) * these samples were analyzed by Mitkem laboratory; all other samples were analyzed by STL's on-site Portable GC.
- 3) nd = not detected above the method detection limit
- 5) All soil gas samples were collected at a depth of 10 feet unless otherwise noted.
- 6) All soil gas samples were collected by IT Corporation.
- 7) for QA/QC samples: J indicates an estimated value (see lab reports), and E indicates the analyte exceeded the Calibration Range.

Table 3 (Continued)

Soil Gas Survey Analytical Results

NYSDEC - 100 Oser Avenue
Hauppauge, New York

Analyte	Soil Gas Survey Results (ug/cu.m.)					
	ITSG-00-57	ITSG-00-58	SG-00-59	SG-00-60	SG-00-61	SG-00-62
Vinyl Chloride	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	nd	nd	nd	nd	nd	nd
Methylene Chloride	710,000	150,000	800,000	360,000	1,500,000	770,000
t-1,2-Dichloroethene	nd	nd	nd	nd	nd	nd
1,1--Dichloroethane	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	nd	nd	nd	nd	nd	nd
Carbon Tet.	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	nd	nd	nd	nd	nd	nd
Trichloroethene	nd	nd	nd	nd	nd	nd
Tetrachloroethene	8,400,000	2,300,000	35,000,000	28,000,000	31,000,000	13,000,000
Benzene	nd	nd	nd	nd	nd	nd
Toluene	nd	nd	nd	nd	nd	nd
Chlorobenzene	nd	nd	nd	nd	nd	nd
Ethyl Benzene	nd	nd	nd	nd	nd	nd
m&p-xylene	nd	nd	nd	nd	nd	nd
o-xylene	nd	nd	nd	nd	nd	nd
Method Detection Limit	12,800	4,000	32,000	32,000	32,000	12,800

Notes:

- 1) * these samples were analyzed by Mitkem laboratory; all other samples were analyzed by STL's on-site Portable GC.
- 3) nd = not detected above the method detection limit
- 5) All soil gas samples were collected at a depth of 10 feet unless otherwise noted.
- 6) All soil gas samples were collected by IT Corporation.
- 7) for QA/QC samples: J indicates an estimated value (see lab reports), and E indicates the analyte exceeded the Calibration Range.

Table 3 (Continued),

Soil Gas Survey Analytical Results

NYSDEC - 100 Oser Avenue
Hauppauge, New York

Analyte	Soil Gas Survey Results (ug/cu.m.)					
	FSG-00-01	FSG-00-02	FSG-00-03	FSG-00-04	FSG-00-05	FSG-00-06
Vinyl Chloride	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	nd	nd	nd	nd	nd	nd
Methylene Chloride	110,000	1,100,000	nd	nd	nd	nd
1,1,2-Dichloroethene	nd	nd	nd	nd	nd	nd
1,1,1-Dichloroethane	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	nd	nd	nd	nd	nd	nd
Carbon Tet.	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	nd	nd	nd	nd	nd	nd
Trichloroethene	nd	nd	nd	nd	nd	nd
Tetrachloroethene	6,600,000	88,000,000	150,000,000	540,000	4,800,000	5,700,000
Benzene	nd	nd	nd	nd	nd	nd
Toluene	nd	nd	nd	nd	nd	nd
Chlorobenzene	nd	nd	nd	nd	nd	nd
Ethyl Benzene	nd	nd	nd	nd	nd	nd
m&p-xylene	nd	nd	nd	nd	nd	nd
o-xylene	nd	nd	nd	nd	nd	nd
Method Detection Limit	8,000	64,000	80,000	800	12,800	12,800

Notes:

- 1) * these samples were analyzed by Mitkem laboratory; all other samples were analyzed by STL's on-site Portable GC.
- 3) nd = not detected above the method detection limit
- 5) All soil gas samples were collected at a depth of 10 feet unless otherwise noted.
- 6) All soil gas samples were collected by IT Corporation.
- 7) for QA/QC samples: J indicates an estimated value (see lab reports), and E indicates the analyte exceeded the Calibration Range.

Table 4

Soil Boring Analytical Results (ppm)

100 Oser Avenue
Hauppauge, New York

Analyte	NYSDEC TAGM Soil Standards (ppm)	DWSB-1 17'-21'	DWSB-1 33'-37'	DWSB-2 15'-20'	DWSB-2 28'-32'	DWSB-3 16'-20'	DWSB-3 40'-42'	DWSB-4 16'-20'	DWSB-4 32'-36'
Vinyl Chloride	0.2	nd	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	0.4	nd	nd	nd	nd	nd	nd	nd	nd
Methylene Chloride	0.1	nd	nd	nd	nd	nd	nd	nd	nd
t-1,2-Dichloroethene	0.3	nd	nd	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	0.2	nd	nd	0.002J	nd	nd	nd	nd	nd
c-1,2-Dichloroethene	n/a	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	0.8	nd	nd	nd	nd	nd	nd	nd	nd
Carbon Tet.	0.6	nd	nd	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	0.1	nd	nd	nd	nd	nd	nd	nd	nd
Trichloroethene	0.7	nd	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	1.4	0.15	0.069	0.069	0.069	0.069	0.069	0.093	0.093
Bezene	0.06	nd	nd	nd	nd	nd	nd	nd	nd
Toluene	1.5	nd	nd	nd	nd	nd	nd	nd	nd
Chlorobenzene	1.7	nd	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	5.5	nd	nd	nd	nd	nd	nd	nd	nd
Xylenes (total)	1.2	nd	nd	nd	nd	nd	nd	nd	nd
method detection limit		0.012	2.300	0.010	9.800	1.100	94.000	0.026	1,000.000

Notes:

- 1) Samples were analyzed by Mitkem.
- 2) nd - indicates that the analyte was not detected above the method detection limit.
- 3) Borings were advanced from April 24 to April 28, 2000.
- 4) Shaded cells indicate concentrations above the NYSDEC TAGM Soil Standards.

Table 4 (Continued)

Soil Boring Analytical Results (ppm)

100 Oser Avenue
Hauppauge, New York

Analyte	DWSB-5 16'-20'	DWSB-5 28'-32'	DWSB-6 10'-16'	DWSB-6 30'-32'	UOSB-1 17'-20'	UOSB-2 11'-15'
Vinyl Chloride	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	nd	nd	nd	nd	nd	nd
Methylene Chloride	nd	nd	nd	nd	nd	nd
1,1,2-Dichloroethene	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	nd	nd	nd	nd	nd	nd
1,1,2-Dichloroethane	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	nd	nd	nd	nd	nd	nd
Carbon Tet.	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	nd	nd	nd	nd	nd	nd
Trichloroethene	nd	nd	nd	nd	nd	nd
Tetrachloroethene	3,900	1,200	5,200	18	0.068	0.049
Bezene	nd	nd	nd	nd	nd	nd
Toluene	nd	nd	nd	nd	nd	nd
Chlorobenzene	nd	nd	nd	nd	nd	nd
Ethylbenzene	nd	nd	nd	nd	nd	nd
Xylenes (total)	nd	nd	nd	nd	nd	nd
method detection limit	410.000	930.000	580.000	1.800	0.010	0.010

Notes:

- 1) Samples were analyzed by Mitkem.
- 2) nd - indicates that the analyte was not detected above the method detection limit.
- 3) Borings were advanced from April 24 to April 28, 2000.
- 4) Shaded cells indicate concentrations above the NYSDEC TAGM Soil Standards.

TABLE 5

Soil Sample Analytical Results - Metals

100 Oser Avenue
Hauppauge, New York

Units expressed in milligrams per liter

Analyte	NYSDEC TAGM Soil Clean-up Objectives	DWSB-1 17'-21'	DWSB-1 33'-37'	DWSB-2 15'-20'	DWSB-2 28'-32'	DWSB-3 16'-20'	DWSB-3 40'-42'
Depth							
Aluminum	SB (33,000)	1,460	1,340	1,050	1,190	3,690	602
Antimony	SB (n/a)	nd	nd	1.6B	nd	nd	nd
Arsenic	7.5 or SB (3-12)	nd	nd	nd	1.3B	nd	nd
Barium	300 or SB (15-600)	8.9B	7.8B	4.6B	6.8B	18B	3.6B
Beryllium	0.16 or SB (0-1.75)	0.11B	0.12B	0.12B	0.099B	0.22B	0.049B
Cadmium	1 or SB (0.1-1)	0.18B	0.21B	0.29B	0.32B	0.39B	0.10B
Calcium	SB (130-35,000)	176B	142B	242B	201B	624B	73.1B
Chromium	10 or SB (1.5-40)	7.3	3.7	3.2	31.7	18	9.4
Cobalt	30 or SB (2.5-60)	1.9B	1.5B	1.3B	1.7B	4.2B	0.73B
Copper	25 or SB (1-50)	3.2B	2.6B	8.3	6.1	10.8	2.3B
Iron	2,000 or SB (2,000-550,000)	3,860	3,960	5,450	7,010	8,470	2,360
Lead	SB (200-500)	2.7	2.6	3.3	4	4.2	1.2
Magnesium	SB (100-5,000)	338B	222B	281B	412B	1060B	162B
Manganese	SB (50-5,000)	148	104	63.2	61.6	215	46.5
Mercury	0.1	nd	nd	nd	nd	nd	nd
Nickel	13 or SB (0.5-25)	3.2B	2.8B	2.7B	3B	6.8B	1.5B
Potassium	SB (8,500-43,000)	195B	146B	83.4B	392B	485B	90.9B
Selenium	2 or SB (0.1-3.9)	nd	nd	nd	nd	nd	nd
Silver	SB (n/a)	nd	nd	nd	nd	nd	nd
Sodium		29.5B	51B	62.7	nd	nd	110B
Thallium		nd	nd	nd	nd	nd	nd
Vanadium	150 or SB (1-300)	5B	4.1B	4.2B	10.4	13.1	3.7B
Zinc	20 or SB (9-50)	6	6.6	18.2	8.2	16.5	5.2

Notes:

- 1) SB refers to site background as referenced in TAGM 4046.
- 2) nd refers to no detected at or above the laboratory reporting limit.

TABLE 5 (Continued)

Soil Sample Analytical Results - Metals

100 Oser Avenue
Hauppauge, New York

Units expressed in milligrams per liter

Analyte	NYSDEC TAGM Soil Clean-up Objectives	DWSB-4 16'-20'	DWSB-4 32'-36'	DWSB-5 16'-20'	DWSB-5 28'-32'	DWSB-6 10'-16'	DWSB-6 30'-32'
Depth							
Aluminum	SB (33,000)	1,360	1,010	923	1,020	1,950	975
Antimony	SB (n/a)	1.0B	nd	0.98B	nd	1.9B	1.2B
Arsenic	7.5 or SB (3-12)	nd	nd	nd	nd	nd	nd
Barium	300 or SB (15-600)	6.2B	4.6B	7.7B	4.6B	24.7B	3.6B
Beryllium	0.16 or SB (0-1.75)	0.10B	0.13B	0.076B	0.10B	0.081B	0.082B
Cadmium	1 or SB (0.1-1)	0.20B	0.26B	0.20B	0.25B	0.54B	0.17B
Calcium	SB (130-35,000)	358B	173B	379B	188B	1780	144B
Chromium	10 or SB (1.5-40)	4.5	12.6	4.8	13.9	4.9	5.5
Cobalt	30 or SB (2.5-60)	1.6B	1.5B	2.3B	1.6B	1.1B	1.8B
Copper	25 or SB (1-50)	9.8	5.2	6.1	5.5	65.7	5.4
Iron	2,000 or SB (2,000-550,000)	3,900	5,320	3,350	5,560	3,410	3,510
Lead	SB (200-500)	2.6	3	3.8	3.5	284	2.4
Magnesium	SB (100-5,000)	394B	235B	204B	288B	757B	544B
Manganese	SB (50-5,000)	93.1	68.4	98.4	68.5	31.6	54
Mercury	0.1	nd	nd	nd	nd	nd	nd
Nickel	13 or SB (0.5-25)	3.4B	2.4B	3.8B	3.0B	6.3B	2.7B
Potassium	SB (8,500-43,000)	127B	126B	86.7B	152B	125B	82.9B
Selenium	2 or SB (0.1-3.9)	nd	nd	nd	nd	nd	nd
Silver	SB (n/a)	nd	nd	nd	nd	nd	nd
Sodium		57.1B	71.2B	75.1B	174B	144B	236B
Thallium		nd	nd	nd	nd	nd	nd
Vanadium	150 or SB (1-300)	5.5B	7.5B	3.2B	5.4B	4.5B	3.6
Zinc	20 or SB (9-50)	14.7	7.1	29	12.9	123	12.8

Notes:

1) SB refers to site background as referenced in TAGM 4046.

2) nd refers to no detected at or above the laboratory reporting limit.

Table 6

Source Area Physical Characteristics Analytical Results

100 Oser Avenue
Hauppauge, New York

Sampling Location	Grain Size (% retained)			Total Organic Carbon (%)
	Sieve No. < or = 40 Medium Sand (or larger)	Sieve No. 60 - 200 Fine Sand	Sieve No. 270 to PAN Silt or Clay	
ITDWSB-1 (17-21)	na	na	na	0.56
ITDWSB-1 (33-37)	na	na	na	4.00
ITDWSB-2 (15.5-20)	78.38	21.00	0.62	0.11
ITDWSB-2 (28-32)	na	na	na	0.20
ITDWSB-3 (16-20)	na	na	na	0.14
ITDWSB-3 (40-42)	na	na	na	0.18
ITDWSB-4 (16-20)	75.94	21.33	2.73	0.61
ITDWSB-4 (32-36)	na	na	na	0.16
ITDWSB-5 (16-20)	na	na	na	<0.10
ITDWSB-5 (28-32)	na	na	na	<0.10
ITDWSB-6 (10-16)	na	na	na	0.79
ITDWSB-6 (30-32)	na	na	na	<0.10
Background	na	na	na	0.11

Notes:

1) na - indicates that the sample was not analyzed for that corresponding method.

Table 7

Hydropunch Soil and Groundwater PGC Analytical Results

100 Oser Avenue
Hauppauge, New York

Analyte	NYSDEC TAGM Soil Standard (ppm)	ITMW-00-11S Soil (ppm)														Groundwater (ppb)	NYSDEC GW Standard (ppb)
		4'-6'	9'-11'	14'-16'	19'-21'	24'-26'	29'-31'	34'-36'	39'-41'	44'-46'	49'-51'	54'-56'	59'-61'	74'-76'	84'-86'		
Vinyl Chloride	0.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	85	2
1,1-DCE	0.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
MethyleneChloride	0.1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
1,1,2-DCE	0.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
1,1-DCA	0.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
c-1,2-DCE	n/a	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
1,1,1-TCA	0.8	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
Carbon Tet.	0.6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
1,2-DCA	0.1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.6
Trichloroethene	0.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
Tetrachloroethene	1.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
Bezene	0.06	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1
Toluene	1.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	14	5
Chlorobenzene	1.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
Ethylbenzene	5.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5
Xylenes (total)	1.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5/isomer
lab method detection limit		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1	

Notes:

- 1) Soil and groundwater samples were analyzed by Severn Trent Laboratory's on-site portable gas chromatograph (PGC).
- 2) HydroPunch activities occurred between September 11 and September 29, 2000.
- 3) nd - indicates that the analyte was not detected above the PGC's method detection limit.

Table 7 (Continued)

Hydropunch Soil and Groundwater PGC Analytical Results

100 Oser Avenue
Hauppauge, New York

Analyte	NYSDEC TAGM Soil Standard (ppm)	ITMW-00-12S														Groundwater (ppb)	NYSDEC GW Standard (ppb)
		Soil (ppm)															
		4'-6'	9'-11'	19'-21'	24'-26'	29'-31'	34'-36'	39'-41'	44'-46'	49'-51'	54'-56'	59'-61'	69'-71'	79'-81'	75'	85'	95'
Vinyl Chloride	0.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DCE	0.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
MethyleneChloride	0.1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
t-1,2-DCE	0.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DCA	0.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
c-1,2-DCE	n/a	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TCA	0.8	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Carbon Tet.	0.6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DCA	0.1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Trichloroethene	0.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	1.4	0.0025	0.0043	nd	nd	0.016	nd	nd	nd	nd	0.0054	nd	0.028	0.0012	12,000	230	200
Bezene	0.06	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Toluene	1.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.0062	nd	0.0013	0.0079	nd	nd	nd
Chlorobenzene	1.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	5.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Xylenes (total)	1.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
lab method detection limit		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	500	10	1

Notes:

- 1) Soil and groundwater samples were analyzed by Severn Trent Laboratory's on-site portable gas chromatograph (PGC).
- 2) HydroPunch activities occurred between September 11 and September 29, 2000.
- 3) nd - indicates that the analyte was not detected above the PGC's method detection limit.

Table 8

**Groundwater Monitoring Well Analytical Results
Volatile Organic Compounds**

**Operable Unit 1
100 Oser Avenue
Hauppauge, New York**

Results expressed in micrograms per liter

Analyte	NYSDEC GW Standards*	ITMW-01S		ITMW-01D	
		02/03/00	11/02/00	02/03/00	11/02/00
Collection Date					
Methylene Chloride	5	nd	nd	nd	nd
1,1-Dichloroethene	5	nd	nd	24	27 J
1,1-Dichloroethane	5	nd	nd	3 J	nd
Acetone	50 (guid)	nd	nd	7 J	17 J
1,2-Dichloroethene (total)	5/ea isomer	nd	nd	8 J	9 J
2-Butanone	SNA	nd	nd	2 J	nd
Chloroform	7	nd	nd	2 J	nd
1,1,1-Trichloroethane	5	nd	nd	85	99
Trichloroethene	5	nd	nd	74	87
Bromodichloromethane	50 (guid)	nd	nd	nd	nd
Tetrachloroethene	5	3,300	33,000 B	51	390 B
1,1,2-Trichloro-1,2,2-trifluoroethane	5	na	nd	na	11 J
Carbon Disulfide	SNA	nd	nd	nd	nd
Lab Dilution Factor		25	250	1	5

Notes:

- * New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
- ND** - means a non-detectable concentration by the approved analytical method is the Standard, per NYSDEC TOGS (1.1.1).
- SNA - means that a Standard is not currently available for this analyte.
- (guid) - indicates a standard was not listed, therefore the Guidance Value was used.
- nd - indicates that the analyte was not detected above the laboratory's method detection limit.
- na - indicates that the sample was not analyzed for that analyte.
- All other analytes typically listed for lab methods ASP 95-1 and 95-2, not on the above table, are to be considered nd.
- J - indicates an estimated value.
- E - indicates the analyte concentration exceeded the Calibration Range.
- B - indicates that the analyte was also detected in the associated Method Blank.
- D - indicates the analyte concentration was obtained from a diluted analysis.

Table 8 (continued)

**Groundwater Monitoring Well Analytical Results
Volatile Organic Compounds**

**Operable Unit 1
100 Oser Avenue
Hauppauge, New York**

Results expressed in micrograms per liter

Analyte	NYSDEC GW Standards*	ITMW-02S		ITMW-03S	
		02/03/00	11/06/00	02/03/00	11/06/00
Collection Date					
Methylene Chloride	5	nd	nd	nd	nd
1,1-Dichloroethene	5	nd	nd	nd	nd
1,1-Dichloroethane	5	nd	nd	nd	nd
Acetone	50 (guid)	nd	nd	nd	nd
1,2-Dichloroethene (total)	5/ea isomer	nd	nd	130 J	nd
2-Butanone	SNA	nd	nd	nd	nd
Chloroform	7	nd	nd	nd	nd
1,1,1-Trichloroethane	5	nd	nd	nd	nd
Trichloroethene	5	nd	nd	160 J	220 J
Bromodichloromethane	50 (guid)	nd	nd	nd	nd
Tetrachloroethene	5	7,000	26,000	19,000	29,000
1,1,2-Trichloro-1,2,2-trifluoroethane	5	na	nd	na	nd
Carbon Disulfide	NSA	nd	nd	nd	nd
Lab Dilution Factor		50	200	100	200

Notes:

- * New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
- ND** - means a non-detectable concentration by the approved analytical method is the Standard, per NYSDEC TOGS (1.1.1).
- SNA - means that a Standard is not currently available for this analyte.
- (guid) - indicates a standard was not listed, therefore the Guidance Value was used.
- nd - indicates that the analyte was not detected above the laboratory's method detection limit.
- na - indicates that the sample was not analyzed for that analyte.
- All other analytes typically listed for lab methods ASP 95-1 and 95-2, not on the above table, are to be considered nd.
- J - indicates an estimated value.
- E - indicates the analyte concentration exceeded the Calibration Range.
- B - indicates that the analyte was also detected in the associated Method Blank.
- D - indicates the analyte concentration was obtained from a diluted analysis.

Table 8 (continued)

**Groundwater Monitoring Well Analytical Results
Volatile Organic Compounds**

**Operable Unit 1
100 Oser Avenue
Hauppauge, New York**

Results expressed in micrograms per liter

Analyte	NYSDEC GW Standards*	ITMW-03D	ITMW-04D Diluted		
Collection Date		02/01/00	02/01/00	02/01/00	11/06/00
Methylene Chloride	5	nd	nd	nd	nd
1,1-Dichloroethene	5	1 J	6 J	nd	2 J
1,1-Dichloroethane	5	nd	nd	nd	nd
Acetone	50 (guid)	6 J	7 J	nd	nd
1,2-Dichloroethene (total)	5/ea isomer	nd	5 J	nd	nd
2-Butanone	SNA	nd	nd	30 DJ	nd
Chloroform	7	nd	nd	nd	nd
1,1,1-Trichloroethane	5	4 J	29	nd	10
Trichloroethene	5	16	35	37 DJ	5 J
Bromodichloromethane	50 (guid)	nd	nd	nd	nd
Tetrachloroethene	5	9 J	1,100 E	1,300 D	8J
1,1,2-Trichloro-1,2,2-trifluoroethane	5	na	na	na	nd
Carbon Disulfide	NSA	nd	nd	nd	nd
Lab Dilution Factor		1	1	20	1

Notes:

- * New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
- ND** - means a non-detectable concentration by the approved analytical method is the Standard, per NYSDEC TOGS (1.1.1).
- SNA - means that a Standard is not currently available for this analyte.
- (guid) - indicates a standard was not listed, therefore the Guidance Value was used.
- nd - indicates that the analyte was not detected above the laboratory's method detection limit.
- na - indicates that the sample was not analyzed for that analyte.
- All other analytes typically listed for lab methods ASP 95-1 and 95-2, not on the above table, are to be considered nd.
- J - indicates an estimated value.
- E - indicates the analyte concentration exceeded the Calibration Range.
- B - indicates that the analyte was also detected in the associated Method Blank.
- D- indicates the analyte concentration was obtained from a diluted analysis.

Table 8 (continued)

**Groundwater Monitoring Well Analytical Results
Volatile Organic Compounds**

**Operable Unit 1
100 Oser Avenue
Hauppauge, New York**

Results expressed in micrograms per liter

Analyte	NYSDEC GW Standards*	ITMW-05S Diluted		
Collection Date		02/01/00	02/01/00	11/02/00
Methylene Chloride	5	nd	nd	nd
1,1-Dichloroethene	5	nd	nd	nd
1,1-Dichloroethane	5	nd	nd	nd
Acetone	50 (guid)	nd	nd	nd
1,2-Dichloroethene (total)	5/ea isomer	57	nd	nd
2-Butanone	SNA	nd	nd	nd
Chloroform	7	nd	nd	nd
1,1,1-Trichloroethane	5	nd	nd	nd
Trichloroethene	5	35	nd	nd
Bromodichloromethane	50 (guid)	nd	nd	nd
Tetrachloroethene	5	4,300 E	5,500	42,000 B
1,1,2-Trichloro-1,2,2-trifluoroethane	5	na	na	nd
Carbon Disulfide	NSA	nd	nd	nd
Lab Dilution Factor		1	50	500

Notes:

- * New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
- ND** - means a non-detectable concentration by the approved analytical method is the Standard, per NYSDEC TOGS (1.1.1).
- SNA - means that a Standard is not currently available for this analyte.
- (guid) - indicates a standard was not listed, therefore the Guidance Value was used.
- nd - indicates that the analyte was not detected above the laboratory's method detection limit.
- na - indicates that the sample was not analyzed for that analyte.
- All other analytes typically listed for lab methods ASP 95-1 and 95-2, not on the above table, are to be considered nd.
- J - indicates an estimated value.
- E - indicates the analyte concentration exceeded the Calibration Range.
- B - indicates that the analyte was also detected in the associated Method Blank.
- D - indicates the analyte concentration was obtained from a diluted analysis.

Table 8 (continued)

**Groundwater Monitoring Well Analytical Results
Volatile Organic Compounds**

**Operable Unit 1
100 Oser Avenue
Hauppauge, New York**

Results expressed in micrograms per liter

Analyte	NYSDEC GW Standards*	ITMW-05D Diluted	
Collection Date		02/01/00	02/01/00
Methylene Chloride	5	nd	120 DJ
1,1-Dichloroethene	5	3 J	nd
1,1-Dichloroethane	5	nd	78 DJ
Acetone	50 (guid)	3 J	nd
1,2-Dichloroethene (total)	5/ea isomer	59	nd
2-Butanone	SNA	nd	nd
Chloroform	7	1 J	nd
1,1,1-Trichloroethane	5	14	nd
Trichloroethene	5	83	94 DJ
Bromodichloromethane	50 (guid)	nd	nd
Tetrachloroethene	5	3,500 E	8,200 D
1,1,2-Trichloro-1,2,2-trifluoroethane	5	na	na
Carbon Disulfide	NSA	nd	nd
Lab Dilution Factor		1	50

Notes:

- * New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
- ND** - means a non-detectable concentration by the approved analytical method is the Standard, per NYSDEC TOGS (1.1.1).
- SNA - means that a Standard is not currently available for this analyte.
- (guid) - indicates a standard was not listed, therefore the Guidance Value was used.
- nd - indicates that the analyte was not detected above the laboratory's method detection limit.
- na - indicates that the sample was not analyzed for that analyte.
- All other analytes typically listed for lab methods ASP 95-1 and 95-2, not on the above table, are to be considered nd.
- J - indicates an estimated value.
- E - indicates the analyte concentration exceeded the Calibration Range.
- B - indicates that the analyte was also detected in the associated Method Blank.
- D - indicates the analyte concentration was obtained from a diluted analysis.

Table 8 (continued)

**Groundwater Monitoring Well Analytical Results
Volatile Organic Compounds**

**Operable Unit 1
100 Oser Avenue
Hauppauge, New York**

Results expressed in micrograms per liter

Analyte	NYSDEC GW Standards*	ITMW-06S		ITMW-07S	
		02/21/00	11/02/00	02/03/00	11/06/00
<i>Collection Date</i>					
Methylene Chloride	5	nd	nd	nd	nd
1,1-Dichloroethene	5	nd	nd	nd	nd
1,1-Dichloroethane	5	nd	nd	nd	nd
Acetone	50 (guid)	nd	nd	nd	nd
1,2-Dichloroethene (total)	5/ea isomer	nd	nd	72 J	nd
2-Butanone	SNA	nd	nd	nd	nd
Chloroform	7	nd	nd	nd	nd
1,1,1-Trichloroethane	5	nd	nd	nd	nd
Trichloroethene	5	nd	nd	53 J	42 J
Bromodichloromethane	50 (guid)	nd	nd	nd	nd
Tetrachloroethene	5	1,300	1,000 B	6,900	5,200
1,1,2-Trichloro-1,2,2-trifluoroethane	5	na	nd	na	nd
Carbon Disulfide	NSA	nd	nd	nd	nd
<i>Lab Dilution Factor</i>		20	10	50	40

Notes:

- * New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
- ND** - means a non-detectable concentration by the approved analytical method is the Standard, per NYSDEC TOGS (1.1.1).
- SNA - means that a Standard is not currently available for this analyte.
- (guid) - indicates a standard was not listed, therefore the Guidance Value was used.
- nd - indicates that the analyte was not detected above the laboratory's method detection limit.
- na - indicates that the sample was not analyzed for that analyte.
- All other analytes typically listed for lab methods ASP 95-1 and 95-2, not on the above table, are to be considered nd.
- J - indicates an estimated value.
- E - indicates the analyte concentration exceeded the Calibration Range.
- B - indicates that the analyte was also detected in the associated Method Blank.
- D - indicates the analyte concentration was obtained from a diluted analysis.

Table 8 (continued)

**Groundwater Monitoring Well Analytical Results
Volatile Organic Compounds**

**Operable Unit 1
100 Oser Avenue
Hauppauge, New York**

Results expressed in micrograms per liter

Analyte	NYSDEC GW Standards*	ITMW-08S		MW-09	
Collection Date		02/03/00	11/01/00	02/03/00	11/01/00
Methylene Chloride	5	nd	nd	nd	nd
1,1-Dichloroethene	5	nd	nd	nd	nd
1,1-Dichloroethane	5	nd	nd	nd	nd
Acetone	50 (guid)	nd	nd	nd	nd
1,2-Dichloroethene (total)	5/ea isomer	nd	21 J	nd	nd
2-Butanone	SNA	nd	nd	nd	nd
Chloroform	7	nd	nd	nd	nd
1,1,1-Trichloroethane	5	nd	nd	nd	nd
Trichloroethene	5	nd	29 J	nd	nd
Bromodichloromethane	50 (guid)	nd	nd	nd	nd
Tetrachloroethene	5	3,400	3,200 B	860	660 B
1,1,2-Trichloro-1,2,2-trifluoroethane	5	na	nd	na	nd
Carbon Disulfide	NSA	nd	nd	nd	11 J
Lab Dilution Factor		20	20	10	5

Notes:

- * New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
- ND** - means a non-detectable concentration by the approved analytical method is the Standard, per NYSDEC TOGS (1.1.1).
- SNA - means that a Standard is not currently available for this analyte.
- (guid) - indicates a standard was not listed, therefore the Guidance Value was used.
- nd - indicates that the analyte was not detected above the laboratory's method detection limit.
- na - indicates that the sample was not analyzed for that analyte.
- All other analytes typically listed for lab methods ASP 95-1 and 95-2, not on the above table, are to be considered nd.
- J - indicates an estimated value.
- E - indicates the analyte concentration exceeded the Calibration Range.
- B - indicates that the analyte was also detected in the associated Method Blank.
- D - indicates the analyte concentration was obtained from a diluted analysis.

Table 8 (continued)

**Groundwater Monitoring Well Analytical Results
Volatile Organic Compounds**

**Operable Unit 1
100 Oser Avenue
Hauppauge, New York**

Results expressed in micrograms per liter

Analyte	NYSDEC GW Standards*	MW-13		ITMW-00-11S	ITMW-00-12S
Collection Date		02/03/00	11/07/00	11/03/00	11/06/00
Methylene Chloride	5	nd	nd	nd	nd
1,1-Dichloroethene	5	nd	nd	nd	nd
1,1-Dichloroethane	5	nd	nd	nd	nd
Acetone	50 (guid)	nd	nd	nd	nd
1,2-Dichloroethene (total)	5/ea isomer	2,200 J	770 J	nd	nd
2-Butanone	SNA	nd	nd	nd	nd
Chloroform	7	nd	nd	nd	nd
1,1,1-Trichloroethane	5	nd	nd	nd	nd
Trichloroethene	5	1,100 J	560 J	nd	nd
Bromodichloromethane	50 (guid)	nd	nd	nd	nd
Tetrachloroethene	5	87,000	79,000	nd	12,000
1,1,2-Trichloro-1,2,2-trifluoroethane	5	na	nd	nd	nd
Carbon Disulfide	NSA	nd	nd	nd	nd
Lab Dilution Factor		1,000	400	1	100

Notes:

- * New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
- ND** - means a non-detectable concentration by the approved analytical method is the Standard, per NYSDEC TOGS (1.1.1).
- SNA - means that a Standard is not currently available for this analyte.
- (guid) - indicates a standard was not listed, therefore the Guidance Value was used.
- nd - indicates that the analyte was not detected above the laboratory's method detection limit.
- na - indicates that the sample was not analyzed for that analyte.
- All other analytes typically listed for lab methods ASP 95-1 and 95-2, not on the above table, are to be considered nd.
- J - indicates an estimated value.
- E - indicates the analyte concentration exceeded the Calibration Range.
- B - indicates that the analyte was also detected in the associated Method Blank.
- D- indicates the analyte concentration was obtained from a diluted analysis.

Table 8 (continued)

**Groundwater Monitoring Well Analytical Results
Volatile Organic Compounds**

**Operable Unit 1
100 Oser Avenue
Hauppauge, New York**

Results expressed in micrograms per liter

Analyte	NYSDEC GW Standards*	ITMW-00-13S		ITMW-00-14S	ITMW-00-15S
		Diluted			
Collection Date		11/03/00	11/03/00	11/01/00	11/01/00
Methylene Chloride	5	nd	nd	nd	nd
1,1-Dichloroethene	5	nd	nd	nd	nd
1,1-Dichloroethane	5	nd	nd	nd	nd
Acetone	50 (guid)	nd	nd	nd	nd
1,2-Dichloroethene (total)	5/ea isomer	17	19 DJ	nd	nd
2-Butanone	SNA	nd	nd	nd	nd
Chloroform	7	nd	nd	nd	nd
1,1,1-Trichloroethane	5	nd	nd	nd	nd
Trichloroethene	5	10	12 DJ	nd	nd
Bromodichloromethane	50 (guid)	nd	nd	nd	nd
Tetrachloroethene	5	910 E	860 DB	370 B	900 B
1,1,2-Trichloro-1,2,2-trifluoroethane	5	nd	nd	nd	nd
Carbon Disulfide	NSA	nd	nd	9 J	nd
Lab Dilution Factor		1	10	2	10

Notes:

- * New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.
- ND** - means a non-detectable concentration by the approved analytical method is the Standard, per NYSDEC TOGS (1.1.1).
- SNA - means that a Standard is not currently available for this analyte.
- (guid) - indicates a standard was not listed, therefore the Guidance Value was used.
- nd - indicates that the analyte was not detected above the laboratory's method detection limit.
- na - indicates that the sample was not analyzed for that analyte.
- All other analytes typically listed for lab methods ASP 95-1 and 95-2, not on the above table, are to be considered nd.
- J - indicates an estimated value.
- E - indicates the analyte concentration exceeded the Calibration Range.
- B - indicates that the analyte was also detected in the associated Method Blank.
- D- indicates the analyte concentration was obtained from a diluted analysis.

Table 9
Fixed Laboratory/PGC Data Comparison Table

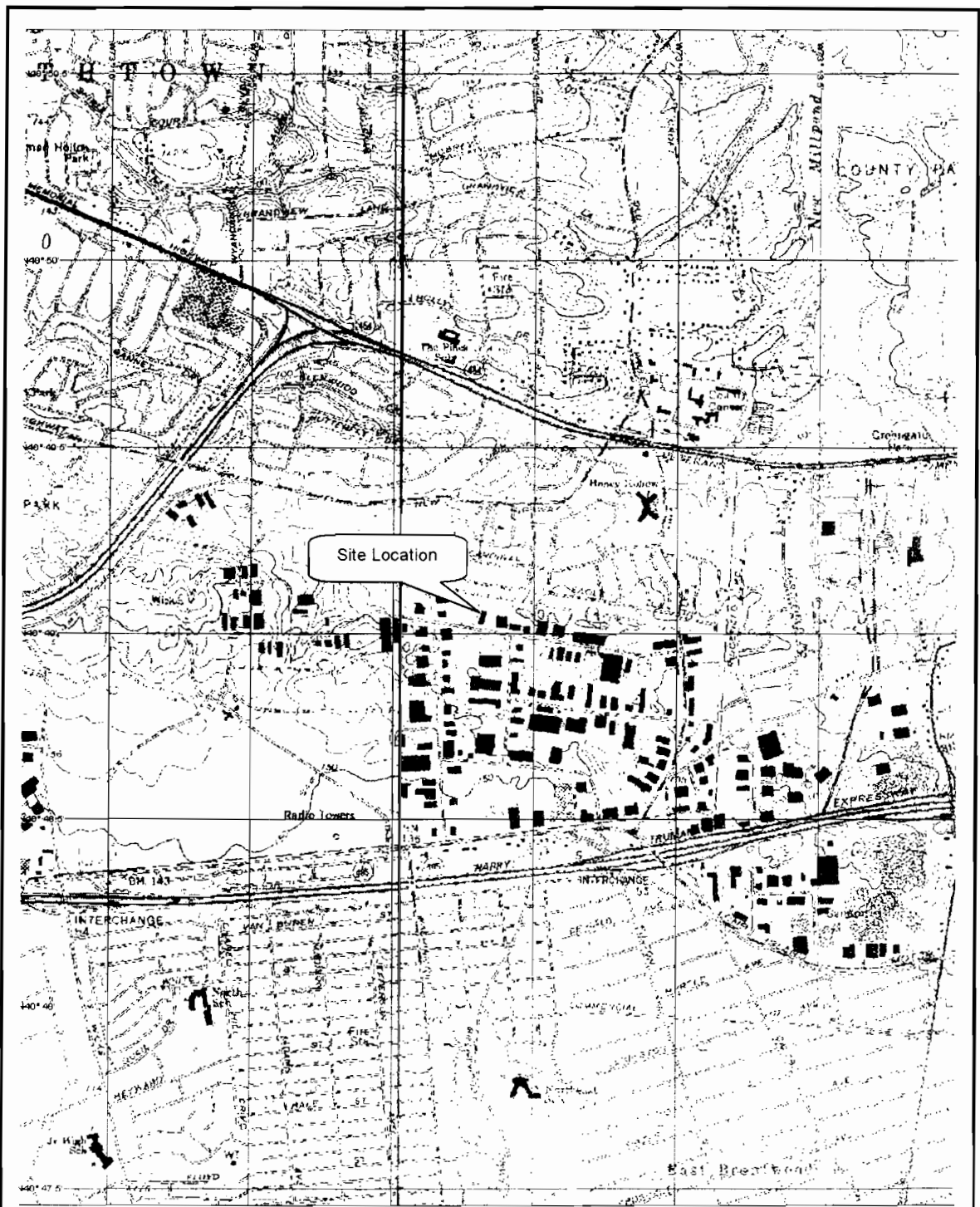
**100 Oser Avenue
Operable Unit 1
Hauppauge, New York**

Results Expressed in Milligrams Per Kilogram

Analyte	ITMW-00-11S						ITMW-00-12S					
	24 to 26 feet bgs		49 to 51 feet bgs		84 to 86 feet bgs		54 to 56 feet bgs		59 to 61 feet bgs		69 to 71 feet bgs	
	PGC	Mitkem	PGC	Mitkem	PGC	Mitkem	PGC	Mitkem	PGC	Mitkem	PGC	Mitkem
Vinyl Chloride	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DCE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
MethyleneChloride	nd	0.002 J	nd	0.002 J	nd	0.001 J	nd	nd	nd	nd	nd	nd
t-1,2-DCE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DCA	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
c-1,2-DCE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TCA	nd	0.002 JB	nd	0.002 JB	nd	0.002 JB	nd	0.002 JB	nd	0.002 JB	nd	0.002 JB
Carbon Tet.	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DCA	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Trichloroethene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Tetrachloroethene	nd	nd	nd	nd	nd	nd	0.0054	0.02	nd	nd	0.028	nd
Bezene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.001 J	nd
Toluene	nd	nd	nd	nd	nd	nd	0.0062	nd	nd	nd	0.0013	nd
Chlorobenzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ethylbenzene	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.001 J	nd
Xylenes (total)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.004 J	0.002 J
Acetone	nd	0.002 J	nd	0.002 J	nd	0.003 J	nd	0.001 J	nd	0.002 J	nd	nd
lab method detection limit	0.001	0.011	0.001	0.011	0.001	0.012	0.001	0.011	0.001	0.01	0.001	0.011

Notes: nd indicates not detected at or above the laboratory detection limit
J indicates an estimated value.
B indicates the constituent was detected in the method blank

FIGURES



Scale: 1:24,000

Reference:
DeLorme 3-D Topo Quads, 1999
Yarmouth, Me.
Datum WGS84



NYSDEC

Figure 1
Site Location Map
NYSDEC Oser Avenue – OU1



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Drilling Log

Monitoring Well

ITHP-00-15/ITMW-(

Page: 1 of 3

Project NYSDEC Oser Avenue Owner NYSDEC
 Location Hauppauge, New York Proj. No. 781882
 Surface Elev. NA Total Hole Depth 95.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
 Screen: Dia 2 in. Length 10 ft. Type/Size Stainless Steel/0.010 in.
 Casing: Dia 2 in. Length 70 ft. Type Stainless Steel
 Fill Material _____ Rig/Core _____
 Drill Co. American Auger Method Hollow Stem Auger
 Driller Rocky Baye Log By Drew Graham Date 9/21/00 Permit # NA
 Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
5							
10		0.0	10-12 90%	2 20		SP	SAND, fine grained, some medium grained, moist.
15		0.4	14-16 75%	9 15 16		SP	SAND, poorly sorted, trace of gravel and cobbles, sand fines downward, dry, loose, tan to brown.
20		1.9	19-21 75%	5 20 20		SP	SAND, poorly sorted, trace of gravel and cobbles, dry, light brown.
25		1.7	24-26 60%	7 21 16 12		SP	SAND, fine to medium grained, some gravel and cobbles, coarsening downward, dry, loose, brown.
30		2.0	29-31 70%	11 14 9		SP	SAND, poorly sorted, trace of gravel and cobbles, dry, tan to brown grading into whitish tan.
35		1.7	34-36 75%	7 9 14 19		SP	SAND, poorly sorted, some gravel and cobbles, dry, whitish tan.
40		1.7	39-41	11		SP	

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40		1.7	40%	18 13		SP	<i>Continued</i> SAND, poorly sorted, some gravel and cobbles, dry, whitish tan.
45		0.0	44-46 60%	18 15 16 19		SP	SAND, poorly sorted, some gravel and cobbles, fining downward, moist, tan to brown.
50		NA	48-50	7 7 6		SP	SAND, poorly sorted, some gravel and cobbles, saturated, tan.
55							HydroPunch groundwater sample collected at 55 feet bgs.
60		4.5	60-62 50%	4 4 7 7		SP	SAND, medium to coarse grained, some gravel and cobbles, saturated, tan to brown.
65							HydroPunch groundwater sample collected at 65 feet bgs.
70		82.9	70-72 95%	4 11 9 8		SP	SAND, fine to medium grained, trace of gravel, saturated, brown.
75							HydroPunch groundwater sample collected at 75 feet bgs.
80							
85							Driller noted difficult drilling conditions from 85 to 90 feet bgs. Gray clay observed on augers following monitoring well completion.
90							

Continued Next Page



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Drilling Log

Monitoring Well

ITHP-00-15/ITMW-1

Page: 3 of 3

Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
95							<i>Continued</i> HydroPunch groundwater sample collected at 95 feet bgs.
100							
105							
110							
115							
120							
125							
130							
135							
140							
145							



INTERNATIONAL
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Drilling Log

Monitoring Well

ITHP-00-16/ITMW-(

Page: 1 of 3

Project NYSDEC Oser Avenue Owner NYSDEC
Location Hauppauge, New York Proj. No. 781882
Surface Elev. NA Total Hole Depth 105.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
Casing: Dia 2 in. Length 25 ft. Type Stainless Steel
Fill Material _____ Rig/Core _____
Drill Co. American Auger Method Hollow Stem Auger
Driller Rocky Baye Log By Drew Graham Date 9/25/00 Permit # NA
Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
5							
10							
15							
20							
25							
30							
35							
40							

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Continued Next Page



Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40							<i>Continued</i>
45							HydroPunch groundwater sample collected at 45 feet bgs.
50							
55							HydroPunch groundwater sample collected at 55 feet bgs.
60							
65							HydroPunch groundwater sample collected at 65 feet bgs.
70							
75							
80							
85							HydroPunch groundwater sample collected at 85 feet bgs.
90							

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INTERNATIONAL
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Drilling Log

Monitoring Well

ITHP-00-16/ITMW-0

Page: 3 of 3

Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
95							Continued
100							
105							HydroPunch groundwater sample collected at 105 feet bgs.
110							
115							
120							
125							
130							
135							
140							
145							



INTERNATIONAL
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CORPORATION

Drilling Log

Soil Boring **ITMW-00-11S**

Page: 1 of 2

Project NYSDEC Oser Avenue Owner NYSDEC
 Location Hauppauge, New York Proj. No. 781882
 Surface Elev. NA Total Hole Depth 96.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
 Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
 Casing: Dia 2 in. Length 75 ft. Type Stainless Steel
 Fill Material _____ Rig/Core _____
 Drill Co. American Auger Method Hollow Stem Auger
 Driller Rocky Baye Log By Drew Graham Date 9/12/00 Permit # NA
 Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						
5	5.2	4-6 60%	14 23 33 36		SP	SAND, fine to medium grained, trace of coarse sand, gravel, and cobbles, tan, dry.
10	8.9	9-11 30%	8 20 19 23		SP	SAND, fine to medium grained, trace of coarse sand, gravel, and cobbles, tan dry.
15	11.8	14-16 50%	3 10 18		SP	SAND, fine to medium grained, increasing gravel content, trace coarse sand and cobbles, darker tan, dry.
20	11.8	19-21 40%	6 13 11		SP	SAND, fine to medium grained, some gravel, trace coarse sand and cobbles, dark tan, dry.
25	10.2	24-26 40%	8 12 13		SP	SAND, poorly sorted, coarser sand on top and bottom of spoon, dark tan, dry, loose.
30	13.5	29-31 40%	19 20 23 22		SP	SAND, medium to coarse grained, some gravel, large quartzic cobbles, loose, dry, tan to brown.
35	10.5	34-36 35%	9 13 17 15		SP	SAND, poorly sorted, some gravel, trace quartzic cobbles, dry, loose, tan to brown.
40	5.4	39-41	11		SP	

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Drilling Log

Soil Boring

ITMW-00-11S

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40	5.4	30%	39		SP	<i>Continued</i> SAND, poorly sorted, some gravel and cobbles, dry, loose, brown to tan.
45	10.2	44-46 35%	10 18		SP	SAND, poorly sorted, some gravel and cobbles, dry, loose, brown to tan.
50	13.8	49-51 25%	22 34 38		SP	SAND, medium to coarse grained, some coarse gravel and cobbles, fining downward, dry, loose, brown to tan.
55	9.6	54-56 30%	13 16 28		SP	SAND, poorly sorted, some gravel and cobbles, dry, loose, brown to tan.
60	0.0	59-61 30%	14 16 11		SP	SAND, medium to coarse grained, some cobbles and gravel, dry, loose, white.
65	0.0	64-66 45%	13 14 20		SP	SAND, poorly sorted, some gravel and cobbles, dry, loose, tan to brown.
70						
75	0.0	74-76 90%	50 30 47		SP	SAND, poorly sorted, some gravel and cobbles, dry, loose, tannish white.
80						
85	NA	84-86 80%			SP	SAND, poorly sorted, some gravel and cobbles, saturated, tan to white. Hydropunch groundwater sample collected at 85 feet bgs.
90						



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Drilling Log

Monitoring Well **ITMW-00-12S**

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Project NYSDEC Oser Avenue Owner NYSDEC
 Location Hauppauge, New York Proj. No. 781882
 Surface Elev. NA Total Hole Depth 81.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
 Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
 Casing: Dia 2 in. Length 60 ft. Type Stainless Steel
 Fill Material _____ Rig/Core _____
 Drill Co. American Auger Method Hollow Stem Auger
 Driller Rocky Baye Log By Drew Graham Date 9/18/00 Permit # NA
 Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
5		4.2	4-6 50%	7 7 4		SP	SAND, fine grained, trace of silt, dry, loose.
10		NA	9-11 20%	18 10 15 14		SP	SAND, poorly sorted, some gravel and cobbles, whitish tan.
15		NA	5%	30 12 11 10			No return.
20		4.7	19-21 40%	10 10 10 14		SP	SAND, poorly sorted, trace of gravel, dry, loose, tannish brown.
25		3.3	24-26 50%	11 12 10 16		SP	SAND, medium to coarse grained, some gravel and cobbles, loose, dry, tan to brown.
30		NA	29-31 10%	15 11 23 29		SP	SAND, medium to coarse grained, some gravel and cobbles, loose, dry, tan to brown.
35		4.6	34-36 50%	12 19 26 31		SP	SAND, poorly sorted, some gravel, dry, brown to whitish brown.
40		4.7	39-41			SP	

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40		4.7	40%			SP	<i>Continued</i> SAND, poorly sorted, some gravel, dry, brown to whitish brown.
45		3.3	44-46 20%	7 8 13 16		SP	SAND, poorly sorted, some gravel and cobbles, dry, brown to whitish brown.
50		3.6	49-51 50%	19 18 15 16		SP	SAND, poorly sorted, some gravel and cobbles, slightly moist, brown to whitish brown.
55		0.4	54-56 25%			SP	SAND, poorly sorted, some gravel and cobbles, saturated, brown to whitish brown.
60		2.5	59-61 40%	12 13 20 24		SP	SAND, poorly sorted, some gravel and cobbles, wet, tannish white.
65							
70		40.8	69-71 80%	27 37 19 21		SP	SAND, poorly sorted, some gravel and cobbles, saturated, tannish white.
75							HydroPunch groundwater sample collected at 75 feet bgs.
80		7.7	79-81	7 10 14 17		SP	SAND, poorly sorted, some gravel and cobbles, saturated, tannish white.
85							HydroPunch groundwater sample collected at 85 feet bgs.
90							



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Drilling Log

Monitoring Well ITMW-00-12S

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Huappauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
							Continued
95							HydroPunch groundwater sample collected at 95 feet bgs.
100							
105							
110							
115							
120							
125							
130							
135							
140							
145							



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Drilling Log

Monitoring Well

ITMW-00-13S

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Project NYSDEC Oser Avenue Owner NYSDEC
Location Hauppauge, New York Proj. No. 781882
Surface Elev. NA Total Hole Depth 96.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
Casing: Dia 2 in. Length 75 ft. Type Stainless Steel
Fill Material _____ Rig/Core _____
Drill Co. American Auger Method Hollow Stem Auger
Driller Rocky Baye Log By Drew Graham Date 9/26/00 Permit # NA
Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
5							
10							
15							
20							
25							
30							
35							
40							

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Monitoring Well

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40							Continued
45							
50							
55							
60							
65							
70							
75							
80							
85							
90							

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
95							Continued
100							
105							
110							
115							
120							
125							
130							
135							
140							
145							



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CORPORATION**

Drilling Log

Monitoring Well

ITMW-00-14S

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Project NYSDEC Oser Avenue Owner NYSDEC
 Location Hauppauge, New York Proj. No. 781882
 Surface Elev. NA Total Hole Depth 95.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
 Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
 Casing: Dia 2 in. Length 75 ft. Type Stainless Steel
 Fill Material _____ Rig/Core _____
 Drill Co. American Auger Method Hollow Stem Auger
 Driller Rocky Baye Log By Drew Graham Date 9/27/00 Permit # NA
 Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
5		4.5	4-6 75%	7 4 12 14		SM	SILTY SAND, fine grained, trace of gravel and cobbles, moist, dark brown.
10		4.8	9-11 60%	19 15 13 13		SP	SAND, medium to fine grained, some cobbles and gravel, orangish brown, fading into a poorly sorted whitish tan sand.
15		3.2	14-16 50%	12 12 12 13		SP	SAND, poorly sorted, some cobbles, whitish tan.
20		6.0	19-21 30%	13 28 24 40		SP	SAND, poorly sorted, some gravel and cobbles, tannish brown.
25		6.1	24-26 40%	7 10 25 18		SP	SAND, poorly sorted, some gravel and cobbles, tannish brown.
30		6.4	29-31 70%	7 5 17 25		SP	SAND, poorly sorted, some gravel and cobbles, tannish brown.
35		7.2	34-36 50%	12 18 24 22		SP	SAND, poorly sorted, some gravel and cobbles, tannish brown.
40		11.2	39-41	12		SP	

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Monitoring Well

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40		11.2	40%	28		SP	<i>Continued</i> SAND, poorly sorted, some gravel and cobbles, tannish to whitish brown.
45		9.4	44-46 50%	5 18 17 21		SP	SAND, poorly sorted, some gravel and cobbles, tannish to whitish brown.
50		15.1	49-51 20%	10 17 27 21		SP	SAND, poorly sorted, some gravel and cobbles, tannish to whitish brown, quartzite cobble in cutting foot.
55		13.7	54-56 20%	11 17 24 31		SP	SAND, poorly sorted, some gravel and cobbles, tannish to whitish brown, quartzite cobble in cutting foot.
60		12.3	59-61 45%	12 18 20 30		SP	SAND, poorly sorted, some gravel and cobbles, tannish to whitish brown, sand coarsening towards cutting foot.
65							
70							
75							
80							
85							HydroPunch groundwater sample collected at 85 feet bgs.
90							

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Monitoring Well

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
95							Continued
100							
105							
110							
115							
120							
125							
130							
135							
140							
145							



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Monitoring Well

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Project NYSDEC Oser Avenue Owner NYSDEC
Location Hauppauge, New York Proj. No. 781882
Surface Elev. NA Total Hole Depth 86.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
Casing: Dia 2 in. Length 65 ft. Type Stainless Steel
Fill Material _____ Rig/Core _____
Drill Co. American Auger Method Hollow Stem Auger
Driller Rocky Baye Log By Drew Graham Date 9/28/00 Permit # NA
Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
							Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
5							
10							
15							
20							
25							
30							
35							
40							



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Monitoring Well

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40							Continued
45							
50							
55							
60							
65							
70							
75							
80							
85							
90							HydroPunch groundwater sample collected at 80 feet bgs.

APPENDIX A
BORING LOGS



**INTERNATIONAL
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Drilling Log

Soil Boring **ITUOSB-01**

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Project NYSDEC Oser Avenue Owner NYSDEC
 Location Hauppauge, New York Proj. No. 781882
 Surface Elev. NA Total Hole Depth 40.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial NA Static NA Diameter _____
 Screen: Dia NA Length NA Type/Size NA
 Casing: Dia NA Length NA Type NA
 Fill Material Bentonite Rig/Core Geoprobe
 Drill Co. Zebra Environmental Method DPT
 Driller Robert Burawa Log By Drew Graham Date 4/24/00 Permit # NA
 Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						Asphalt and fill material.
2						SAND, poorly sorted, some gravel and cobbles, light to dark brown.
4	247	1-5 90%			SP	
6						
8	20.1	5-9 100%			ML	SANDY SILT
10						SAND, poorly sorted, some gravel and cobbles, light to dark brown.
12	42.1	9-13 100%			SP	
14						
16	56.8	13-17 100%			SP	SAND, coarse grained, some gravel.
18					ML SP	SILTY CLAY, black. SAND, poorly sorted, some gravel, tan and brown.
20	59.9	17-20 100%			SP SP	SAND, medium to fine grained, some gravel, brown. COBBLES, shattered quartzite. SAND, medium to coarse grained, some gravel, brown to tan.

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Soil Boring

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
20					SP	<i>Continued</i> SAND, medium to fine grained, tan.
22	12.7	20-24 75%			SP	SAND, coarse grained, some gravel. SAND, medium to coarse grained, tan and white.
24					SP SP	SAND, coarse grained, some gravel, brown. SAND, fine grained, tan. SAND, medium to coarse grained, some gravel, tan to brown.
26	10.1	24-26 50%			SP	
28	8.0	26-28 75%			SP	
30	8.7	28-30 100%			SP SP	SAND, medium to fine grained, brown. SAND, medium to coarse grained, some gravel, tan to brown.
32	7.9	30-32 50%			SP	SAND, medium to fine grained, brown.
34	0	32-34 %			SP	COBBLE, shattered quartzite. No return.
36	9.5	34-36 50%			SP	SAND, medium grained, trace of gravel, tan. SAND, medium to coarse grained, trace of gravel, tan.
38	9.2	36-38 40%			SP	
40	10.3	38-40 10%				
42						
44						
46						



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Drilling Log

Soil Boring **ITUOSB-02**

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Project NYSDEC Oser Avenue Owner NYSDEC
Location Hauppauge, New York Proj. No. 781882
Surface Elev. NA Total Hole Depth 41.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter _____
Screen: Dia NA Length NA Type/Size NA
Casing: Dia NA Length NA Type NA
Fill Material Bentonite Rig/Core Geoprobe
Drill Co. Zebro Environmental Method DPT
Driller Robert Burawa Log By Drew Graham Date 4/24/00 Permit # NA
Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						Asphalt and fill material.
2						SAND, medium grained, trace gravel, tan to brown.
4	19.4	3-7 100%			SP	
6						
8	72.0	7-11 100%			SP ML SP	SAND, medium grained, trace of gravel, brown. SILTY SAND, trace f gravel, brown. SAND, coarse grained, some gravel, brown. SAND, medium to fine grained, trace of gravel, brown.
10					SP	
12	29.2	11-15 100%			SP SP SP	SAND, medium grained, brown. SAND and GRAVEL, coarse grained, gravel is subangular and multi-lithologic, brown. SAND, coarse grained, some gravel, brown.
14					SP SP	SAND, medium to fine grained, brown.
16					SP	SAND, poorly sorted, trace of gravel.
18	69.1	15-19 90%				SAND, medium to coarse grained, some gravel.
20	16.7	19-23 90%			SP	

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Soil Boring

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
20					SP	<i>Continued</i> SAND, fine grained, trace of gravel, brown. SAND, medium to coarse grained, some gravel, brown.
22	16.7	19-23 90%			SP	
24						SAND and GRAVEL, coarse grained, tan.
26	9.8	23-27 70%			SP	
28					SP	SAND, medium to fine grained, trace silt and gravel. SAND, medium grained, some gravel, brown.
30	6.4	27-31 95%			SP	SAND and GRAVEL, quartzic. SAND, coarse grained, some gravel, tan. SAND, medium to fine grained, some gravel, tan. SAND and GRAVEL, coarse grained, tan. SAND, fine grained, trace of gravel. SAND, coarse grained, some gravel, tan to brown.
32	7.0	31-33 40%			SP	
34	15.2	33-35 120%			SP	SAND, medium to fine grained, some gravel, tan.
36	7.3	35-37 50%			SP	SAND, medium grained, trace of gravel, tan. COBBLE
38	30.4	37-39 60%			SP	SAND, medium to coarse grained, some gravel, tan to brown.
40	4.7	39-41 75%			SP	SAND, coarse grained, some gravel, tan. SAND, medium to fine grained, tan.
42						
44						
46						



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Drilling Log

Soil Boring

ITDWSB-1

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Project ITDWSB-1 Owner NYSDEC
Location Hauppauge, New York Proj. No. 781882
Surface Elev. NA Total Hole Depth 49.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter _____
Screen: Dia NA Length NA Type/Size NA
Casing: Dia NA Length NA Type NA
Fill Material Bentonite Rig/Core Geoprobe
Drill Co. Zebra Environmental Method DPT
Driller Robert Burawa Log By Drew Graham Date 4/25/00 Permit # NA
Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						Fill Material.
2						SAND, medium to fine grained, brown.
4	68.7	1-5 65%			SP	
6					SP	SAND, poorly sorted, trace of gravel, brown.
8	420	5-9 100%			ML ML	SILTY SAND, some gravel, brown. SILTY CLAY, some sand.
10					SP	SAND, medium to fine grained, some gravel.
12	1620	9-13 100%			SP	SAND, poorly sorted, some gravel, brown.
14					SP	SAND, poorly sorted, some gravel.
16	930	13-17 100%			SP	SAND and GRAVEL, coarse, moist, chemical odor noted.
18					SP	SAND, fine grained, tan, slightly moist.
20	>2,000	17-21 80%			SP	SAND, medium to coarse grained, some gravel, tan to brown, slightly moist, thin black clayey layer at approximately 17.3 feet.

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Project ITDWSB-1

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
20	>2,000	17-21 80%			SP	Continued
22	101	21-23 50%			SP	SAND, medium to fine grained, brown.
24	130	23-25 20%			SP	GRAVEL, quartz cobbles.
26	979	25-27 90%			SP	SAND and GRAVEL, brown to tan.
28	24	27-29 5%			SP	SAND, poorly sorted, some gravel, brown to tan.
30					SP	SAND, trace gravel, brown.
32					SP	
34	>2,000	33-37 100%			SP	SAND, poorly sorted, trace gravel, brown.
36					SP	SAND, medium to fine grained, some gravel, brown to tan.
38	>2,000	37-39 100%			SP	SAND, medium to coarse grained, some gravel, brown to tan, strong chemical odor noted.
40	7.4	39-41 65%			SP	SAND, medium to fine grained, trace gravel, brown.
42	19.7	41-43 50%			SP	SAND, poorly sorted, trace gravel, brown.
44					SP	
46					SP	

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Project ITDWSB-1

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
						Continued
48	NS	47-49 50%			SP	SAND, medium to coarse grained, trace gravel, light tan.
50						
52						
54						
56						
58						
60						
62						
64						
66						
68						
70						
72						



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CORPORATION

Drilling Log

Soil Boring **ITDWSB-2**

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Project ITDWSB-2 Owner NYSDEC
Location Hauppauge, New York Proj. No. 781882
Surface Elev. NA Total Hole Depth 44.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter _____
Screen: Dia NA Length NA Type/Size NA
Casing: Dia NA Length NA Type NA
Fill Material Bentonite Rig/Core Geoprobe
Drill Co. Zebra Environmental Method DPT
Driller Robert Burawa Log By Drew Graham Date 4/26/00 Permit # NA
Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						Overflow Dry Well
2						
4						
6						
8						
10						
12						
14						
16					SP	SAND and GRAVEL, wet, heavy organic staining, grey to black, strong septic odor.
18	33	15.5- 20 50%			SP	SAND, poorly sorted, some gravel, wet, light brown.
20						

Continued Next Page

Project ITDWSB-2

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
20						<i>Continued</i> SAND, poorly sorted, some, gravel, wet to moist, brown to redish brown.
22	640	20-24 90%			SP	
24					SP	SAND, coarse grained, some gravel, wet, tan to brown.
26					SP	SAND, medium to coarse grained, some gravel, light brown to redish brown, moist.
28	>2,000	24-28 90%			SP	SAND, medium to fine grained, moist, tan, chemical odor noted.
30					SP	SAND, medium to coarse grained, some gravel, moist, brown.
32	>2,000	28-32 95%			SP	SAND, medium grained, some gravel, very strong chemical odor noted.
34					SP	SAND and GRAVEL, very strong chemical odor noted.
36					ML SP	SILTY SAND, brown, mica flakes, very strong chemical odor noted.
38	>2,000	32-34 50%			SP	SAND, medium to fine grained, brown, very strong chemical odor noted.
40					SP	SAND, medium to fine grained, some gravel, extremely strong chemical odor noted.
42	>2,000	34-36 75%			SP	SAND, fine grained, some medium grained sand and gravel, extremely strong chemical odor noted.
44					SP	SAND, medium to coarse grained, some gravel, wet, extremely strong chemical odor noted.
46	>2,000	36-38 40%			SP	SAND, fine grained, brown, wet, extremely strong chemical odor noted.
48					SP	SAND, medium to fine grained, some gravel, wet, extremely strong chemical odor noted.
50					SP	SAND, coarse grained, some gravel, moist brown, extremely strong chemical odor noted.
52	>2,000	38-40 60%			ML	SAND, medium to fine grained, some gravel, moist, white, extremely strong chemical odor noted.
54					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
56	>2,000	40-42 75%			SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
58					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
60					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
62					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
64					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
66					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
68					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
70					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
72					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
74					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
76					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
78					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
80					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
82					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
84					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
86					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
88					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
90					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
92					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
94					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
96					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
98					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.
100					SP	SAND, medium to coarse grained, some gravel, tan, extremely strong chemical odor noted.



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Drilling Log

Soil Boring **ITDWSB-3**

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Project ITDWSB-3 Owner NYSDEC
Location Hauppauge, New York Proj. No. 781882
Surface Elev. NA Total Hole Depth 48.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter _____
Screen: Dia NA Length NA Type/Size NA
Casing: Dia NA Length NA Type NA
Fill Material Bentonite Rig/Core Geoprobe
Drill Co. Zebra Environmental Method DPT
Driller Robert Burawa Log By Drew Graham Date 4/27/00 Permit # NA
Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						Ashpalt and fill material.
2	35.3	0-4 75%			SP	SAND, poorly sorted, trace of gravel, tan.
4					SP	SAND, medium to fine grained, some gravel, tan.
6	222	4-8 90%			SP	SAND, medium to fine grained, some gravel, slightly moist, brown.
8					ML	SILTY SAND, fine grained, compact, trace of gravel, brown.
10	>2,000	8-12 80%			ML	SANDY SILT, compact, slightly moist, dark brown, slightly moist.
12					SP	SAND, medium to coarse grained, some gravel, slightly moist, tan.
14	1,059	12-16 95%			SP	SAND, medium to coarse grained, some gravel, tan, strong chemical odor noted.
16					SP	SAND, fine grained, brown, strong chemical odor noted.
18	1,852	16-20 95%			SP	SAND, medium to fine grained, trace of gravel, brown, slight chemical odor noted.
20					SP	SAND, medium to coarse grained, some gravel, slightly moist, tan to brown, moist, slight chemical odor noted.

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Project ITDWSB-3

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
20					ML	<i>Continued</i> SILTY SAND, compact, dark brown, moist, very strong chemical odor noted.
22	>2,000	20-24 50%			SP	SAND, medium to coarse grained, some gravel, moist, tan, very strong chemical odor noted.
24					SP	SAND, medium to fine grained, trace of gravel, moist, brown, very strong chemical odor noted.
24					SP	SAND, medium to coarse grained, some gravel, moist, brown, very strong chemical odor noted.
26	>2,000	24-26 75%			SP	SAND, medium to fine grained, some gravel, moist, dark brown to light tan, extremely strong chemical odor noted.
26	1,402	26-28 15%			SP	SAND, medium to fine grained, some gravel, slightly moist, quartzic rock noted in sleeve, dark brown, chemical odor noted.
28	>2,000	28-30 50%			SP	SAND, poorly sorted, some gravel and cobbles, moist, tan to brown, extremely strong chemical odor noted.
30	>2,000	30-32 75%			SP	SAND, medium to fine grained, some gravel, slightly moist, tan, fairly strong chemical odor noted.
32	>2,000	32-34 40%			SP	SAND, coarse to medium grained, some gravel, slightly moist, brown to tan, fairly strong chemical odor noted.
32					SP	SAND, fine grained, slightly moist, brown, fairly strong chemical odor noted.
34	>2,000	34-36 40%			SP	SAND, poorly sorted, quartzic cobble in sleeve, tan, very strong chemical odor noted.
36	>2,000	36-38 75%			SP	SAND, poorly sorted, some gravel, moist, tan to dark brown, very strong chemical odor noted.
38	>2,000	38-40 75%			SP	SAND, poorly sorted sand, trace gravel, moist, tan, very strong chemical odor noted.
40	>2,000	40-42 80%			SP	SAND, medium to coarse grained, some gravel, moist, tan, very strong chemical odor noted.
42	1,240	42-44 20%			SP	SAND, fine grained, well sorted, moist, tan, very strong chemical odor noted.
44	1,220	44-46 60%			SP	SAND, medium to coarse grained, some gravel, moist, brown, strong chemical odor noted.
46	560				SP	SAND, fine grained, well sorted, brown, strong chemical odor noted.
					SP	SAND, fine to medium grained, some gravel, slightly moist, tan, chemical odor noted.
					SP	SAND and GRAVEL, coarse grained, tan.
					SP	SAND, medium to fine grained, trace of gravel, tan.
					SP	SAND, medium to coarse grained, trace of gravel, tan to brown.

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Drilling Log

Soil Boring **ITDWSB-3**

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Project ITDWSB-3

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
48	560	~~46-48~~ 45%	☒		SP	Continued
50						
52						
54						
56						
58						
60						
62						
64						
66						
68						
70						
72						



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Drilling Log

Monitoring Well

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
95							<i>Continued</i> HydroPunch groundwater sample collected at 95 feet bgs.
100							
105							
110							
115							
120							
125							
130							
135							
140							
145							



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Drilling Log

Monitoring Well

ITHP-00-16/ITMW-(

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Project NYSDEC Oser Avenue Owner NYSDEC
Location Hauppauge, New York Proj. No. 781882
Surface Elev. NA Total Hole Depth 105.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
Casing: Dia 2 in. Length 25 ft. Type Stainless Steel
Fill Material _____ Rig/Core _____
Drill Co. American Auger Method Hollow Stem Auger
Driller Rocky Baye Log By Drew Graham Date 9/25/00 Permit # NA
Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
5							
10							
15							
20							
25							
30							
35							
40							

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Monitoring Well

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40							<i>Continued</i>
45							HydroPunch groundwater sample collected at 45 feet bgs.
50							
55							HydroPunch groundwater sample collected at 55 feet bgs.
60							
65							HydroPunch groundwater sample collected at 65 feet bgs.
70							
75							
80							
85							HydroPunch groundwater sample collected at 85 feet bgs.
90							

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Drilling Log

Monitoring Well

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
							Continued
95							
100							
105							HydroPunch groundwater sample collected at 105 feet bgs.
110							
115							
120							
125							
130							
135							
140							
145							



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Drilling Log

Soil Boring **ITMW-00-11S**

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Project NYSDEC Oser Avenue Owner NYSDEC
Location Hauppauge, New York Proj. No. 781882
Surface Elev. NA Total Hole Depth 96.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
Casing: Dia 2 in. Length 75 ft. Type Stainless Steel
Fill Material _____ Rig/Core _____
Drill Co. American Auger Method Hollow Stem Auger
Driller Rocky Baye Log By Drew Graham Date 9/12/00 Permit # NA
Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0						
5	5.2	4-6 60%	14 33 33 36		SP	SAND, fine to medium grained, trace of coarse sand, gravel, and cobbles, tan, dry.
10	8.9	9-11 30%	8 20 19 23		SP	SAND, fine to medium grained, trace of coarse sand, gravel, and cobbles, tan dry.
15	11.8	14-16 50%	3 10 19		SP	SAND, fine to medium grained, increasing gravel content, trace coarse sand and cobbles, darker tan, dry.
20	11.8	19-21 40%	6 12 13 11		SP	SAND, fine to medium grained, some gravel, trace coarse sand and cobbles, dark tan, dry.
25	10.2	24-26 40%	8 12 13		SP	SAND, poorly sorted, coarser sand on top and bottom of spoon, dark tan, dry, loose.
30	13.5	29-31 40%	19 20 23 22		SP	SAND, medium to coarse grained, some gravel, large quartzic cobbles, loose, dry, tan to brown.
35	10.5	34-36 35%	9 12 13 18		SP	SAND, poorly sorted, some gravel, trace quartzic cobbles, dry, loose, tan to brown.
40	5.4	39-41	11		SP	

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Soil Boring **ITMW-00-11S**

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40	5.4	30%	30		SP	<i>Continued</i> SAND, poorly sorted, some gravel and cobbles, dry, loose, brown to tan.
45	10.2	44-46 35%	10 11 8		SP	SAND, poorly sorted, some gravel and cobbles, dry, loose, brown to tan.
50	13.8	49-51 25%	22 27 34 38		SP	SAND, medium to coarse grained, some coarse gravel and cobbles, fining downward, dry, loose, brown to tan.
55	9.6	54-56 30%	13 18 22 28		SP	SAND, poorly sorted, some gravel and cobbles, dry, loose, brown to tan.
60	0.0	59-61 30%	14 12 8 11		SP	SAND, medium to coarse grained, some cobbles and gravel, dry, loose, white.
65	0.0	64-66 45%	13 34 30 20		SP	SAND, poorly sorted, some gravel and cobbles, dry, loose, tan to brown.
70						
75	0.0	74-76 90%	50 28 50 47		SP	SAND, poorly sorted, some gravel and cobbles, dry, loose, tannish white.
80						
85	NA	84-86 80%			SP	SAND, poorly sorted, some gravel and cobbles, saturated, tan to white. Hydropunch groundwater sample collected at 85 feet bgs.
90						



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Drilling Log

Monitoring Well **ITMW-00-12S**

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Project NYSDEC Oser Avenue Owner NYSDEC
 Location Hauppauge, New York Proj. No. 781882
 Surface Elev. NA Total Hole Depth 81.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
 Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
 Casing: Dia 2 in. Length 60 ft. Type Stainless Steel
 Fill Material _____ Rig/Core _____
 Drill Co. American Auger Method Hollow Stem Auger
 Driller Rocky Baye Log By Drew Graham Date 9/18/00 Permit # NA
 Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
5		4.2	4-6 50%	7 7 4 4		SP	SAND, fine grained, trace of silt, dry, loose.
10		NA	9-11 20%	18 10 15 14		SP	SAND, poorly sorted, some gravel and cobbles, whitish tan.
15		NA	5%	30 12 11 10			No return.
20		4.7	19-21 40%	10 10 10 14		SP	SAND, poorly sorted, trace of gravel, dry, loose, tannish brown.
25		3.3	24-26 50%	11 12 10 16		SP	SAND, medium to coarse grained, some gravel and cobbles, loose, dry, tan to brown.
30		NA	29-31 10%	15 11 23 29		SP	SAND, medium to coarse grained, some gravel and cobbles, loose, dry, tan to brown.
35		4.6	34-36 50%	12 19 26 31		SP	SAND, poorly sorted, some gravel, dry, brown to whitish brown.
40		4.7	39-41			SP	

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Drilling Log

Monitoring Well ITMW-00-12S

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40		4.7	40%			SP	<i>Continued</i> SAND, poorly sorted, some gravel, dry, brown to whitish brown.
45		3.3	44-46 20%	7 8 12 16		SP	SAND, poorly sorted, some gravel and cobbles, dry, brown to whitish brown.
50		3.6	49-51 50%	19 18 15 16		SP	SAND, poorly sorted, some gravel and cobbles, slightly moist, brown to whitish brown.
55		0.4	54-56 25%			SP	SAND, poorly sorted, some gravel and cobbles, saturated, brown to whitish brown.
60		2.5	59-61 40%	12 13 20 24		SP	SAND, poorly sorted, some gravel and cobbles, wet, tannish white.
65							
70		40.8	69-71 80%	27 37 19 21		SP	SAND, poorly sorted, some gravel and cobbles, saturated, tannish white.
75							HydroPunch groundwater sample collected at 75 feet bgs.
80		7.7	79-81	7 10 14 17		SP	SAND, poorly sorted, some gravel and cobbles, saturated, tannish white.
85							HydroPunch groundwater sample collected at 85 feet bgs.
90							

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Drilling Log

Monitoring Well **ITMW-00-12S**

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Project NYSDEC Oser Avenue Owner NYSDEC

Location Hauppauge, New York Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
							Continued
95							HydroPunch groundwater sample collected at 95 feet bgs.
100							
105							
110							
115							
120							
125							
130							
135							
140							
145							



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Drilling Log

Monitoring Well

ITMW-00-13S

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Project NYSDEC Oser Avenue Owner NYSDEC
Location Hauppauge, New York Proj. No. 781882
Surface Elev. NA Total Hole Depth 96.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
Casing: Dia 2 in. Length 75 ft. Type Stainless Steel
Fill Material _____ Rig/Core _____
Drill Co. American Auger Method Hollow Stem Auger
Driller Rocky Baye Log By Drew Graham Date 9/26/00 Permit # NA
Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
							Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
5							
10							
15							
20							
25							
30							
35							
40							



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Drilling Log

Monitoring Well

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
							Continued
40							
45							
50							
55							
60							
65							
70							
75							
80							
85							
90							



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Drilling Log

Monitoring Well

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Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
							Continued
95							
100							
105							
110							
115							
120							
125							
130							
135							
140							
145							



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Drilling Log

Monitoring Well

ITMW-00-14S

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Project NYSDEC Oser Avenue Owner NYSDEC
 Location Hauppauge, New York Proj. No. 781882
 Surface Elev. NA Total Hole Depth 95.0 ft. North _____ East _____
 Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
 Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
 Casing: Dia 2 in. Length 75 ft. Type Stainless Steel
 Fill Material _____ Rig/Core _____
 Drill Co. American Auger Method Hollow Stem Auger
 Driller Rocky Baye Log By Drew Graham Date 9/27/00 Permit # NA
 Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
5		4.5	4-6 75%	7 12 14		SM	SILTY SAND, fine grained, trace of gravel and cobbles, moist, dark brown.
10		4.8	9-11 60%	19 16 13		SP	SAND, medium to fine grained, some cobbles and gravel, orangish brown, fading into a poorly sorted whitish tan sand.
15		3.2	14-16 50%	12 12 13		SP	SAND, poorly sorted, some cobbles, whitish tan.
20		6.0	19-21 30%	13 28 24 40		SP	SAND, poorly sorted, some gravel and cobbles, tannish brown.
25		6.1	24-26 40%	7 10 25 18		SP	SAND, poorly sorted, some gravel and cobbles, tannish brown.
30		6.4	29-31 70%	7 6 1 25		SP	SAND, poorly sorted, some gravel and cobbles, tannish brown.
35		7.2	34-36 50%	12 18 24 22		SP	SAND, poorly sorted, some gravel and cobbles, tannish brown.
40		11.2	39-41	12		SP	



Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40		11.2	40%	28		SP	<i>Continued</i> SAND, poorly sorted, some gravel and cobbles, tannish to whitish brown.
45		9.4	44-46 50%	5 18 17 21		SP	SAND, poorly sorted, some gravel and cobbles, tannish to whitish brown.
50		15.1	49-51 20%	10 17 27 21		SP	SAND, poorly sorted, some gravel and cobbles, tannish to whitish brown, quartzite cobble in cutting foot.
55		13.7	54-56 20%	11 17 24 31		SP	SAND, poorly sorted, some gravel and cobbles, tannish to whitish brown, quartzite cobble in cutting foot.
60		12.3	59-61 45%	6 8 10 12		SP	SAND, poorly sorted, some gravel and cobbles, tannish to whitish brown, sand coarsening towards cutting foot.
65							
70							
75							
80							
85							HydroPunch groundwater sample collected at 85 feet bgs.
90							

Continued Next Page



INTERNATIONAL
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Drilling Log

Monitoring Well

ITMW-00-14S

Page: 3 of 3

Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
							Continued
95							
100							
105							
110							
115							
120							
125							
130							
135							
140							
145							



INTERNATIONAL
TECHNOLOGY
CORPORATION

Drilling Log

Monitoring Well ITMW-00-15S

Page: 1 of 2

Project NYSDEC Oser Avenue Owner NYSDEC
Location Hauppauge, New York Proj. No. 781882
Surface Elev. NA Total Hole Depth 86.0 ft. North _____ East _____
Top of Casing NA Water Level Initial NA Static NA Diameter 6.25 in.
Screen: Dia 2 in. Length 20 ft. Type/Size Stainless Steel/0.010 in.
Casing: Dia 2 in. Length 65 ft. Type Stainless Steel
Fill Material _____ Rig/Core _____
Drill Co. American Auger Method Hollow Stem Auger
Driller Rocky Baye Log By Drew Graham Date 9/28/00 Permit # NA
Checked By Tom Antonoff License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
0							
5							
10							
15							
20							
25							
30							
35							
40							



INTERNATIONAL
TECHNOLOGY
CORPORATION

Drilling Log

Monitoring Well

ITMW-00-15S

Page: 2 of 2

Project NYSDEC Oser Avenue

Owner NYSDEC

Location Hauppauge, New York

Proj. No. 781882

Depth (ft.)	Well Completion	PID (ppm)	Sample ID % Recovery	Blow Count Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Geologic descriptions are based on ASTM Standard D 2487-93 and the USCS.
40							Continued
45							
50							
55							
60							
65							
70							
75							
80							
85							
90							HydroPunch groundwater sample collected at 80 feet bgs.

APPENDIX B

ANALYTICAL LABORATORY RESULTS

**SEVERN
TRENT
SERVICES**

STL On-Site Technologies

Westfield Executive Park
53 Southampton Road
Westfield, MA 01085

Tel: 413 572 4000
Fax: 413 572 3707
www.stl-inc.com

03 October 2000

Mr. Tom Antonoff
IT Corporation
200 Horizon Center Blvd.
Trenton, NJ 08691

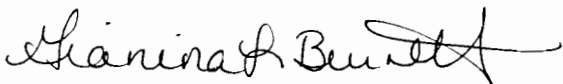
RE:
Field Analytical Report
100 Oser Ave Site
Happauge, NY
September 12 - 28, 2000

Dear Mr. Antonoff:

Enclosed please find the final results and report for the field analytical project conducted at 100 Oser Avenue Site located in Happauge, NY from September 12 - 28, 2000. This five-section report provides a narrative, a summary of results, the final data results, quality control results and chain-of-custody forms.

It was a pleasure working with you and IT Corporation on this project and we look forward to working together again. If you have any questions on this report, please do not hesitate to contact me at (413) 572-4000 ext. 103.

Very truly yours,
SEVERN TRENT LABORATORIES, INC.



Gianina L. Burnett
Project Manager, On-Site Technologies

ost/reports/itos0900.fin

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<u>Section</u>	<u>Title</u>
1.0	Narrative
2.0	Summary of Results
3.0	Data Results
4.0	QC Results
5.0	Chain-of-Custody Forms

SECTION 1.0

Narrative

Narrative

STL On-Site Technologies

A field investigation was conducted at the 100 Oser Avenue site in Happaug, NY from September 12 - 28, 2000. The intent of this field effort was to measure the levels of contamination in soilgas, water and soil samples for Volatile Organic Compounds (VOCs). A total of forty (40) soilgas samples, thirty (30) water samples and twenty-eight (28) soil samples were collected and analyzed for the following list of target compounds.

Vinyl Chloride	1,1-Dichloroethene
Methylene chloride	t-1,2-Dichloroethene
1,1-Dichloroethane	c-1,2-Dichloroethene
1,1,1-Trichloroethane	Carbon Tetrachloride
1,2-Dichloroethane	Trichloroethene
Tetrachloroethene	Benzene
Toluene	Chlorobenzene
Ethylbenzene	m&p-Xylene
o-Xylene	

Sample Analysis

All samples were analyzed for VOC's using a Hewlett-Packard Model 5890 II Gas Chromatograph (GC) with Electrolytic Conductivity (ELCD) and Photoionization (PID) detectors. An OI Analytical Model 4560 Purge & Trap sample concentrator was used to purge the VOC's from the sample matrix, concentrate them onto a sorbent trap and desorb them onto the GC system. An OI Analytical MPM-16 multi-sampler was used to allow sample analysis to continue while the mobile laboratory was unmanned. The analytical system and parameters are similar to those used in EPA Method 8021. Data was processed on a Pentium-based Personal Computer using HP Chemstation Software. These reports have been reviewed and are presented in Section 3.0 of this report.

Volatile Organics Quality Control

STL On-Site Technologies

Listed below is a description of the QC analysis and the acceptance criteria for the volatile organics analysis conducted:

1. Initial Calibration - A 3-point initial calibration was conducted on the analytical system prior to project initiation. The instrument was calibrated and the correlation coefficient (r) calculated for each analyte. For all analytes the (r) value should have been greater than 0.990 or recalibration was performed.
2. Calibration Check Standards - At the beginning of each day, after every 10 samples and at the end of each day a mid-point calibration check standard was analyzed to verify that the analytical sensitivity did not change from the initial calibration. Percent Recovery (%R) values were calculated for each analyte and compared to the 75-125% criteria. If the %R value was outside the control limits the analyst noted this on the QC form. If significant variances were observed, the system was recalibrated.

The following deviations are noted for the Calibration Check Standards:

9/12 Closing standard had Methylene Chloride at 141%

9/21 Closing standard had Vinyl Chloride at 149%

3. QC Standards - A QC standard was analyzed on a daily basis and used to verify the accuracy of the calibration standards. The QC standard was a standard from a second source, other than the calibration standards. %R values were calculated and compared to the 75-125% criteria.
4. Method Blanks - A sample of analyte free water was processed at the beginning of the day and after every ten sample analyses to verify that the analytical system was contaminant-free. Concentrations of detected analytes should have been less than 1/2 the method detection limit. Small contaminants may have been noted as detected in the blank and labelled with a "B". Significant contaminant levels necessitate corrective action, i.e. cleaning of the instrument.
5. Surrogate Standards - Surrogate standards were added to all samples, standards and method blanks to measure the potential for matrix interferences. % Recovery values were calculated (appear in the comments section of the data pages) and were compared to the 75-125% criteria. Small deviations were marked as outside control limits while large deviations necessitated reanalysis.

The following deviations are noted for the Surrogate standards:

STL On-Site Technologies

ITMW-00-12S-29-31 PID surr. @ 65%

6. Duplicates - Five percent (5%) of all samples were analyzed in duplicate on a daily basis to determine the precision of the analyses. Relative Percent Difference (RPD) values were calculated and compared to the 20% acceptance limit. Values over this level required corrective action if significant, otherwise they were highlighted as outside QC limits.

The following deviations are noted for the Duplicate samples:

9/13 INFLUENT 3 DUP had c-1,2-Dichloroethene RPD at 91 %
 9/14 INFLUENT 4 DUP had c-1,2-Dichloroethene RPD at 34 %
 9/19 ITSG-47 DUP had Tetrachloroethene RPD at 22 %

7. Matrix Spike/Matrix Spike Duplicate Analyses (MS/MSD) - Five percent (5%) of the samples analyzed on each day were spiked with a mid-level standard. The %R values were calculated and compared to the 75-125% acceptance criteria.

The following deviations are noted for the MS/MSD samples:

9/14 INFLUENT 4MSD had Tetrachloroethene % Recovery @ 0% and RPD @ 42 %

The following changes have been made from preliminary results to the final results enclosed herein:

<u>Sample ID</u>	<u>Compound</u>	<u>Prelim. Result</u>	<u>Final Result</u>
ITSG-00-53(2)	Toluene	ND	0.04mg/cu.m
ITSG-00-52(2)	Toluene	0.1mg/cu.m	0.09mg/cu.m
	Ethylbenzene	ND	0.03mg/cu.m
	o-Xylene	ND	0.03mg/cu.m

SECTION 2.0

Summary of Results

IT CORPORATION

100 Oser Ave.

Hauppauge, NY

September 12 - 28, 2000

Sample ID/Depth	ITMW-00-11S-4-6	ITMW-00-11S-9-11	ITMW-00-11S-14-16	ITMW-00-11S-19-21	ITMW-00-11S-24-26	ITMW-00-11S-29-31	ITMW-00-11S-34-36	ITMW-00-11S-39-41	ITMW-00-11S-44-46	ITMW-00-11S-49-51	ITMW-00-11S-54-56	ITMW-00-11S-59-61	ITMW-00-11S-74-76	ITMW-00-11S-84-86	ITMW-00-11S-85	INFLUENT 1	INFLUENT 2	ITHP-00-11-70-72	ITHP-00-11-70
Matrix (W - Water,																			
S - Soil, A - Soil(gas)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	A	A	S	W
VINYL CHLORIDE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
1,1-DICHLOROETHENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
METHYLENE CHLORIDE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
t-1,2-DICHLOROETHENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
1,1-DICHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
c-1,2-DICHLOROETHENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	4.0	1.0 U	1.0 U
111TRICHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1	0.800 U	0.200 U	1.0 U	1.0 U
CARBON TET.	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
1,2-DICHLOROETHANE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
TRICHLOROETHENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1	8.8	1.0 U	1.0 U
TETRACHLOROETHENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	820	370	1.0 U	6.0
BENZENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
TOLUENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
CHLOROBENZENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
ETHYLBENZENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
M&P-XYLENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U
O-XYLENE	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.800 U	0.200 U	1.0 U	1.0 U

Results are reported on a wet weight basis

Soil samples are reported in units of µg/kg.

Groundwater samples are reported in units of µg/L.

Air samples are reported in units of µg/cu.m.

U = Not Detected

B = Detected in the laboratory blank

Sample ID/Depth	Sample ID/Depth
INFLUENT 3	ITHP-00-77-75
	ITHP-00-12-60
	ITHP-00-12-70
	ITHP-00-12-90
	ITHP-00-12-100
INFLUENT 4	
INFLUENT 5	
ITMW-00-12S-4-6	
ITMW-00-12S-9-11	
ITMW-00-12S-19-21	
ITMW-00-12S-24-26	
ITMW-00-12S-29-31	
ITMW-00-12S-34-36	
ITMW-00-12S-39-41	
ITMW-00-12S-44-46	
ITMW-00-12S-49-51	
ITMW-00-12S-54-56	
ITMW-00-12S-59-61	

Matrix (W - Water,															
S - Soil, A - Soilgas)	A	W	W	W	W	A	A	S	S	S	S	S	S	S	S
VINYL CHLORIDE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-DICHLOROETHENE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
METHYLENE CHLORIDE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-DICHLOROETHENE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-DICHLOROETHANE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
c-1,2-DICHLOROETHENE	0.3	1.0 U	5.0 U	500 U	100 U	100 U	3.6	4.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
111TRICHLOROETHANE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CARBON TET.	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-DICHLOROETHANE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TRICHLOROETHENE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	6.4	5.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TETRACHLOROETHENE	210	6.1	200	22000	2300	4400	270	240	2.5	4.3	1.0 U	1.0 U	16	1.0 U	1.0 U
BENZENE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
TOLUENE	0.200 U	1.0 U	5.0 U	500 U	100 U	130	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
CHLOROBENZENE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
ETHYLBENZENE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
M&P-XYLENE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
O-XYLENE	0.200 U	1.0 U	5.0 U	500 U	100 U	100 U	0.200 U	0.200 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

413-572-4000

IT CORPORATION

100 Oser Ave.

Hauppauge, NY

September 12 - 28, 2000

Sample ID/Depth	ITMW-00-12S-69-71	ITMW-00-12S-75	ITMW-00-12S-79-81	ITMW-00-12S-85	ITMW-00-12S-95	ITSG-47	ITSG-46	ITSG-45	ITSG-44	ITSG-49	ITSG-50	ITSG-51	ITSG-43	ITSG-52	ITSG-53	ITSG-55
Matrix (W - Water,																
S - Soil, A - Soilgas)	S	W	S	W	W	A	A	A	A	A	A	A	A	A	A	A
VINYL CHLORIDE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
1,1-DICHLOROETHENE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
METHYLENE CHLORIDE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.6	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
t-1,2-DICHLOROETHENE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
1,1-DICHLOROETHANE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
c-1,2-DICHLOROETHENE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
111TRICHLOROETHANE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
CARBON TET.	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
1,2-DICHLOROETHANE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
TRICHLOROETHENE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
TETRACHLOROETHENE	28	12000	1.2	230	200	150	12	400	40	77	2.5	0.8	0.4	0.020 U	0.020 U	0.2
BENZENE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
TOLUENE	1.3	500 U	7.9	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.2	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
CHLOROBENZENE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
ETHYLBENZENE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
M&P-XYLENE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
O-XYLENE	1.0 U	500 U	1.0 U	10 U	10 U	0.100 U	0.020 U	0.200 U	0.020 U	0.040 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U

Results are reported on a wet weight basis

Soil samples are reported in units of µg/kg.

Groundwater samples are reported in units of µg/L.

Air samples are reported in units of µg/cu.m.

U = Not Detected

B = Detected in the laboratory blank

IT CORPORATION
100 Oser Ave.
Hauppauge, NY
September 12 - 28, 2000

Sample ID/Depth	ITSG-54	ITSG-39	ITSG-40	ITSG-41	ITSG-42	ITHP-00-13-50	ITHP-00-13-60	ITHP-00-13-70	ITHP-00-13-90	ITHP-00-13-110	ITHP-00-14-60	ITHP-00-14-70	ITHP-00-14-80	ITHP-00-14-100	ITHP-00-15-55	ITHP-00-15-65	ITHP-00-15-75	INFLUENT 921
Matrix (W - Water,																		
S - Soil, A - Soilgas)	A	A	A	A	A	W	W	W	W	W	W	W	W	W	W	W	W	A
VINYL CHLORIDE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
1,1-DICHLOROETHENE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
METHYLENE CHLORIDE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
1,1,2-DICHLOROETHANE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
1,1-DICHLOROETHANE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
c-1,2-DICHLOROETHENE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	3.0
111TRICHLOROETHANE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
CARBON TET.	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
1,2-DICHLOROETHANE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
TRICHLOROETHENE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
TETRACHLOROETHENE	0.020 U	98	31	19	44	87	2500	2900	1100	60	18	1.8	13	9.6	9.3	150	26000	160
BENZENE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
TOLUENE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
CHLOROBENZENE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
ETHYLBENZENE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
M&P-XYLENE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U
O-XYLENE	0.020 U	0.100 U	0.020 U	0.020 U	0.020 U	5.0 U	100 U	100 U	100 U	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	10 U	1000 U	0.100 U

Results are reported on a wet weight basis

Soil samples are reported in units of µg/kg.

Groundwater samples are reported in units of µg/L.

Air samples are reported in units of µg/cu.m.

U = Not Detected

B = Detected in the laboratory blank

IT CORPORATION
100 Oser Ave.
Hauppauge, NY
September 12 - 28, 2000

Sample ID/Depth	EFFLUENT 921	ITHP-00-15-95	ITSG-00-52(2)	ITSG-00-53(2)	ITSG-00-56	ITSG-00-57	ITSG-00-58	SG-00-62	SG-00-61	SG-00-60	SG-00-59	FSG-00-1	FSG-00-2	FSG-00-3	FSG-00-5
Matrix (W - Water,															
S - Soil, A - Soil(gas)	A	W	A	A	A	A	A	A	A	A	A	A	A	A	A
VINYL CHLORIDE	0.020 U	200 U	0.020 U	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8 U
1,1-DICHLOROETHENE	0.020 U	200 U	0.020 U	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8 U
METHYLENE CHLORIDE	0.020 U	200 U	0.6 B	1.1 B	150 B	710 B	150 B	770 B	1500 B	360 B	800 B	110 B	1000 B	80.0 U	12.8 U
t-1,2-DICHLOROETHENE	0.020 U	200 U	0.020 U	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8 U
1,1-DICHLOROETHANE	0.020 U	200 U	0.020 U	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8 U
c-1,2-DICHLOROETHENE	0.020 U	200 U	0.020 U	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8 U
111TRICHLOROETHANE	0.020 U	200 U	0.020 U	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8 U
CARBON TET.	0.020 U	200 U	0.020 U	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8 U
1,2-DICHLOROETHANE	0.020 U	200 U	0.020 U	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8 U
TRICHLOROETHENE	0.020 U	200 U	0.020 U	0.020 U	80	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8 U
TETRACHLOROETHENE	0.5	2700	0.2	0.020 U	4800	8400	2300	13000	31000	28000	35000	6600	88000	150000	4800
BENZENE	0.020 U	200 U	0.020 U	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8
TOLUENE	0.020 U	200 U	0.09	0.04	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8
CHLOROBENZENE	0.020 U	200 U	0.020 U	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8
ETHYLBENZENE	0.020 U	200 U	0.03	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8
M&P-XYLENE	0.020 U	200 U	0.020 U	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8
O-XYLENE	0.020 U	200 U	0.03	0.020 U	4.0 U	12.8 U	4.0 U	12.8 U	32.0 U	32.0 U	32.0 U	8.0 U	64.0 U	80.0 U	12.8

Results are reported on a wet weight basis

Soil samples are reported in units of µg/kg.

Groundwater samples are reported in units of µg/L.

Air samples are reported in units of µg/cu.m.

U = Not Detected

B = Detected in the laboratory blank

IT CORPORATION

100 Oser Ave.

Hauppauge, NY

September 12 - 28, 2000

Sample ID/Depth	FSG-00-4	FSG-00-6	ITHP-00-16-45	ITHP-00-16-55	ITHP-00-16-65	ITHP-00-16-85	ITHP-00-16-105	INFLUENT 926	ITMW-00-14S-85	ITMW-00-15S-80	INFLUENT 928
Matrix (W - Water,											
S - Soil, A - Soil(gas)	A	A	W	W	W	W	W	A	W	W	A
VINYL CHLORIDE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
1,1-DICHLOROETHENE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
METHYLENE CHLORIDE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
1,1,2-DICHLOROETHENE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
1,1-DICHLOROETHANE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
c-1,2-DICHLOROETHENE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	5.0	10 U	25 U	8.0
1,1,1,1-TETRACHLOROETHANE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
CARBON TET.	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
1,2-DICHLOROETHANE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
TRICHLOROETHENE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	4.6	10 U	25 U	7.3
TETRACHLOROETHENE	540	5700	8.1	5.2	8.8	58	21	170	330	1100	200
BENZENE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
TOLUENE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
CHLOROBENZENE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
ETHYLBENZENE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
M&P-XYLENE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U
O-XYLENE	0.800 U	12.8 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	0.100 U	10 U	25 U	0.100 U

Results are reported on a wet weight basis

Soil samples are reported in units of µg/kg.

Groundwater samples are reported in units of µg/L.

Air samples are reported in units of µg/cu.m.

U = Not Detected

B = Detected in the laboratory blank

MITKEM
CORPORATION

October 4, 2000

IT Corporation
13 British American Blvd.
Latham, NY 12110
Attn: Mr. Tom Antonoff

RE: Client Project: Oser Ave, #781882
Mitkem Lab Project # 71488

Dear Mr. Antonoff:

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

If you have any questions regarding this report, please call me.

We appreciate your business

Sincerely,



Kin Chiu
Technical Director

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

SDG:

NYSDEC

71488

[illegible]

Page 1

**MITKEM
CORPORATION**

*** Data Summary Package ***

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

SDG:

71488

NYASP 10/95

New York State Department of Environmental Conservation

Project Name:

SDG:

WYSD EC

71488

[illegible]

Page 2

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary

Volatile (VOA) Analyses

Project Name:

NYSDCL

SDG:

71488

[illegible]

NYASF 10/95

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to IT Corporation's project. Under this deliverable, analysis results are presented for two aqueous and four soil samples that were received on September 16, 2000. Analyses were performed per specifications in the project's contract and the chain of custody forms, following discussion with the client.

The following samples are submitted in this data package:

<u>Client ID</u>	<u>Truncated ID</u>	<u>Lab ID</u>	<u>Analysis</u>	<u>Aqueous pH</u>
ITMW-00-11S-24-26	0011S2426	71488001	V	
ITMW-00-11S-49-51	0011S4951	71488002	V	
ITMW-00-11S-64-66	0011S6466	71488003	V	
ITMW-00-11S-84-86	0011S8486	71488004	V	
ITHP-00-12-60	HP001260	71488005	V	7
RINSE	RINSE	71488006	V	7

V = Volatile Organics – NYSDEC ASP CLP method

The analyses were performed and reported per 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.

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 V2: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve

Trap used for instrument V5: Tekmar Vocab 3000 containing 10 cm Carbopack B, 6 cm Carboxen 1000 and 1 cm Carboxen 1001.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.
Surrogate recovery: all recoveries were within the QC limits.

Surrogate recovery: recoveries were within the QC limits

Lab control sample: spike recoveries were within the QC limits

Sample analysis: due to high PCE concentration, HP001260 was analyzed at 2x dilution.
No other unusual observation was noted for the analyses.

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.



Kin Chiu
Technical Director
10/4/00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0011S2426

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) SOIL

Lab Sample ID: 71488001

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4127

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. 11

Date Analyzed: 09/26/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (Total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	2	JB
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0011S2426

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) SOIL

Lab Sample ID: 71488001

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4127

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. 11

Date Analyzed: 09/26/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
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16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0011S4951

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) SOIL

Lab Sample ID: 71488002

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4124

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. 11

Date Analyzed: 09/26/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (Total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	2	JB
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (Total)	11	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0011S4951

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) SOIL

Lab Sample ID: 71488002

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4124

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. 11

Date Analyzed: 09/26/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0011S6466

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) SOIL

Lab Sample ID: 71488003

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4125

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. 16

Date Analyzed: 09/26/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	2	J
67-64-1	Acetone	2	J
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (Total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	2	JB
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (Total)	12	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0011S6466

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) SOIL

Lab Sample ID: 71488003

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4125

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. 16

Date Analyzed: 09/26/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0011S8486

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) SOIL

Lab Sample ID: 71488004

Sample wt/vol: 4.9 (g/mL) G

Lab File ID: V2D4126

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. 13

Date Analyzed: 09/26/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	12	U
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl Chloride	12	U
75-00-3-----	Chloroethane	12	U
75-09-2-----	Methylene Chloride	1	J
67-64-1-----	Acetone	3	J
75-15-0-----	Carbon Disulfide	12	U
75-35-4-----	1,1-Dichloroethene	12	U
75-34-3-----	1,1-Dichloroethane	12	U
540-59-0-----	1,2-Dichloroethene (Total)	12	U
67-66-3-----	Chloroform	12	U
107-06-2-----	1,2-Dichloroethane	12	U
78-93-3-----	2-Butanone	12	U
71-55-6-----	1,1,1-Trichloroethane	2	JB
56-23-5-----	Carbon Tetrachloride	12	U
75-27-4-----	Bromodichloromethane	12	U
78-87-5-----	1,2-Dichloropropane	12	U
10061-01-5-----	cis-1,3-Dichloropropene	12	U
79-01-6-----	Trichloroethene	12	U
124-48-1-----	Dibromochloromethane	12	U
79-00-5-----	1,1,2-Trichloroethane	12	U
71-43-2-----	Benzene	12	U
10061-02-6-----	trans-1,3-Dichloropropene	12	U
75-25-2-----	Bromoform	12	U
108-10-1-----	4-Methyl-2-Pentanone	12	U
591-78-6-----	2-Hexanone	12	U
127-18-4-----	Tetrachloroethene	12	U
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U
108-88-3-----	Toluene	12	U
108-90-7-----	Chlorobenzene	12	U
100-41-4-----	Ethylbenzene	12	U
100-42-5-----	Styrene	12	U
1330-20-7-----	Xylene (Total)	12	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0011S8486

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) SOIL

Lab Sample ID: 71488004

Sample wt/vol: 4.9 (g/mL) G

Lab File ID: V2D4126

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. 13

Date Analyzed: 09/26/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HP001260

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) WATER

Lab Sample ID: 71488005

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

Lab File ID: V5C4083

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. _____

Date Analyzed: 09/23/00

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

Dilution Factor: 2.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	20	U
74-83-9-----	Bromomethane	20	U
75-01-4-----	Vinyl Chloride	20	U
75-00-3-----	Chloroethane	20	U
75-09-2-----	Methylene Chloride	20	U
67-64-1-----	Acetone	20	U
75-15-0-----	Carbon Disulfide	20	U
75-35-4-----	1,1-Dichloroethene	20	U
75-34-3-----	1,1-Dichloroethane	20	U
540-59-0-----	1,2-Dichloroethene (Total)	20	U
67-66-3-----	Chloroform	22	
107-06-2-----	1,2-Dichloroethane	20	U
78-93-3-----	2-Butanone	20	U
71-55-6-----	1,1,1-Trichloroethane	20	U
56-23-5-----	Carbon Tetrachloride	20	U
75-27-4-----	Bromodichloromethane	20	U
78-87-5-----	1,2-Dichloropropane	20	U
10061-01-5-----	cis-1,3-Dichloropropene	20	U
79-01-6-----	Trichloroethene	20	U
124-48-1-----	Dibromochloromethane	20	U
79-00-5-----	1,1,2-Trichloroethane	20	U
71-43-2-----	Benzene	20	U
10061-02-6-----	trans-1,3-Dichloropropene	20	U
75-25-2-----	Bromoform	20	U
108-10-1-----	4-Methyl-2-Pentanone	20	U
591-78-6-----	2-Hexanone	20	U
127-18-4-----	Tetrachloroethene	210	
79-34-5-----	1,1,2,2-Tetrachloroethane	20	U
108-88-3-----	Toluene	20	U
108-90-7-----	Chlorobenzene	20	U
100-41-4-----	Ethylbenzene	20	U
100-42-5-----	Styrene	20	U
1330-20-7-----	Xylene (Total)	20	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

HP001260

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) WATER

Lab Sample ID: 71488005

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

Lab File ID: V5C4083

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. _____

Date Analyzed: 09/23/00

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

Dilution Factor: 2.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____
7. _____	_____	_____	_____	_____
8. _____	_____	_____	_____	_____
9. _____	_____	_____	_____	_____
10. _____	_____	_____	_____	_____
11. _____	_____	_____	_____	_____
12. _____	_____	_____	_____	_____
13. _____	_____	_____	_____	_____
14. _____	_____	_____	_____	_____
15. _____	_____	_____	_____	_____
16. _____	_____	_____	_____	_____
17. _____	_____	_____	_____	_____
18. _____	_____	_____	_____	_____
19. _____	_____	_____	_____	_____
20. _____	_____	_____	_____	_____
21. _____	_____	_____	_____	_____
22. _____	_____	_____	_____	_____
23. _____	_____	_____	_____	_____
24. _____	_____	_____	_____	_____
25. _____	_____	_____	_____	_____
26. _____	_____	_____	_____	_____
27. _____	_____	_____	_____	_____
28. _____	_____	_____	_____	_____
29. _____	_____	_____	_____	_____
30. _____	_____	_____	_____	_____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) WATER

Lab Sample ID: 71488006

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

Lab File ID: V5C4081

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. _____

Date Analyzed: 09/23/00

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RINSE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) WATER

Lab Sample ID: 71488006

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

Lab File ID: V5C4081

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. _____

Date Analyzed: 09/23/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2H

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) SOIL

Lab Sample ID: V2B0926A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4122

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 09/26/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2H

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) SOIL

Lab Sample ID: V2B0926A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4122

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 09/26/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK5J

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Lab File ID: V5C4066

Lab Sample ID: V5B0923A

Date Analyzed: 09/23/00

Time Analyzed: 1320

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

Heated Purge: (Y/N) N

Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	RINSE	71488006	V5C4081	2011
02	HP001260	71488005	V5C4083	2104
03				
04				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5J

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) WATER

Lab Sample ID: V5B0923A

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

Lab File ID: V5C4066

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 09/23/00

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5J

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) WATER

Lab Sample ID: V5B0923A

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

Lab File ID: V5C4066

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 09/23/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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30.				

FORM I VOA-TIC

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71488

Lab File ID: V5C4332

Lab Sample ID: V5B1003A

Date Analyzed: 10/03/00

Time Analyzed: 0948

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

Heated Purge: (Y/N) N

Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLK5QLCS	V5L1003A	V5C4333	1028
02	VHBLK5Q	V5B1003A	V5C4341	1535
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
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26				
27				
28				
29				
30				

COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) WATER

Lab Sample ID: V5B1003A

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

Lab File ID: V5C4332

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	2	J

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK5Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) WATER

Lab Sample ID: V5B1003A

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

Lab File ID: V5C4332

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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FORM I VOA-TIC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) WATER

Lab Sample ID: V5B1003A

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

Lab File ID: V5C4341

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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
74-87-3	Chloromethane	10 U	
74-83-9	Bromomethane	10 U	
75-01-4	Vinyl Chloride	10 U	
75-00-3	Chloroethane	10 U	
75-09-2	Methylene Chloride	10 U	
67-64-1	Acetone	10 U	
75-15-0	Carbon Disulfide	10 U	
75-35-4	1,1-Dichloroethene	10 U	
75-34-3	1,1-Dichloroethane	10 U	
540-59-0	1,2-Dichloroethene (Total)	10 U	
67-66-3	Chloroform	10 U	
107-06-2	1,2-Dichloroethane	10 U	
78-93-3	2-Butanone	10 U	
71-55-6	1,1,1-Trichloroethane	10 U	
56-23-5	Carbon Tetrachloride	10 U	
75-27-4	Bromodichloromethane	10 U	
78-87-5	1,2-Dichloropropane	10 U	
10061-01-5	cis-1,3-Dichloropropene	10 U	
79-01-6	Trichloroethene	7 J	
124-48-1	Dibromochloromethane	10 U	
79-00-5	1,1,2-Trichloroethane	10 U	
71-43-2	Benzene	10 U	
10061-02-6	trans-1,3-Dichloropropene	10 U	
75-25-2	Bromoform	10 U	
108-10-1	4-Methyl-2-Pentanone	10 U	
591-78-6	2-Hexanone	10 U	
127-18-4	Tetrachloroethene	10 U	
79-34-5	1,1,2,2-Tetrachloroethane	10 U	
108-88-3	Toluene	10 U	
108-90-7	Chlorobenzene	10 U	
100-41-4	Ethylbenzene	10 U	
100-42-5	Styrene	10 U	
1330-20-7	Xylene (Total)	1 JB	

FORM I VOA

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK5Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) WATER

Lab Sample ID: V5B1003A

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

Lab File ID: V5C4341

Level: (low/med) LOW

Date Received: 09/16/00

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK2HLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) SOIL

Lab Sample ID: V2L0926A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4123

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 09/26/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	44	
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	2	JB
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	49	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	48	
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	50	
108-90-7-----	Chlorobenzene	48	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK5QLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix: (soil/water) WATER

Lab Sample ID: V5L1003A

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

Lab File ID: V5C4333

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	42	
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	48	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	48	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	50	
108-90-7	Chlorobenzene	51	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

FORM I VOA

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBK5J	94	99	86		0
02	RINSE	93	94	84		0
03	HP001260	94	95	85		0
04	VBK5Q	99	90	97		0
05	VBK5QLCS	94	88	100		0
06	VHBLK5Q	99	90	103		0
07						
08						
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QC LIMITS

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

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK2H	94	91	93		0
02	VBLK2HLCS	97	92	95		0
03	0011S4951	94	93	102		0
04	0011S6466	93	92	101		0
05	0011S8486	95	95	103		0
06	0011S2426	93	93	107		0
07						
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QC LIMITS

SMC1 (TOL) = Toluene-d8 (84-138)
 SMC2 (BFB) = Bromofluorobenzene (59-113)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71488

Matrix Spike - Sample No.: VBLK2H

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50	0.0	44	88	59-172
Trichloroethene	50	0.0	49	98	62-137
Benzene	50	0.0	48	96	66-142
Toluene	50	0.0	50	100	59-139
Chlorobenzene	50	0.0	48	96	60-133

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III VOA

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71488

Matrix Spike - Sample No.: VBLK5Q

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	42	84	61-145
Trichloroethene	50	0.0	48	96	71-120
Benzene	50	0.0	48	96	76-127
Toluene	50	0.0	50	100	76-125
Chlorobenzene	50	0.0	51	102	75-130

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III VOA

030

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2H

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71488

Lab File ID: V2D4122

Lab Sample ID: V2B0926A

Date Analyzed: 09/26/00

Time Analyzed: 0946

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

Heated Purge: (Y/N) Y

Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLK2HLCS	V2L0926A	V2D4123	1030
02	0011S4951	71488002	V2D4124	1101
03	0011S6466	71488003	V2D4125	1130
04	0011S8486	71488004	V2D4126	1159
05	0011S2426	71488001	V2D4127	1227
06				
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COMMENTS:



October 23, 2000

IT Corporation
13 British American Blvd.
Latham, NY 12110
Attn: Mr. Tom Antonoff

RE: Client Project: NYSDEC Oser Ave, 781882
Mitkem Lab Project # 71534

Dear Mr. Antonoff:

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

If you have any questions regarding this report, please call me.

We appreciate your business

Sincerely,

A handwritten signature in cursive script, appearing to read "Agnes R. Ng".

Agnes R. Ng
CLP Project Manager

Mitkem Corporation

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

Project Name:

SDG:

NYSDC CSEK AVE 781852

71534

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		VOA GC/MS Method #	BNA GC/MS Method #	Pest PCBs Method #	Metals	Other
ITMW-00-125-54-58	71534001	ASP				
ITMW-00-125-59-61	-002	↓				
ITMW-00-125-69-71	-003					
ITMW-00-125-79-81	-004					
ITMW-00-125-75	-005					
ITHP-00-13-90	-006					
ITHP-00-14-80	-007					
ITHP-00-15-65	-008					
ITHP-00-15-75	-009					
TRIP BLANK	-010					

NYASP 10/95

0-11

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name:

NYSDEC OSER AVE 781882

SDG:

71534

Laboratory Sample ID	Matrix	Date Collected	Date Received at Lab	Date Extracted	Date Analyzed
71534001	SL	9/18/00	9/23/00	NA	10/3/00
-002	↓	↓	↓	↓	↓
-003	↓	↓	↓	↓	↓
-004	↓	↓	↓	↓	↓
-005	AQ	↓	↓	↓	9/30/00
-006	↓	9/20/00	↓	↓	9/30/00
-007	↓	↓	↓	↓	↓
-008	↓	9/21/00	↓	↓	↓
-009	↓	↓	↓	↓	↓
-010	↓	↓	↓	↓	↓

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name:

NYSDEC OSER AVE 781332

SDG:

71534

Laboratory Sample ID <i>71</i>	Matrix	Analytical Protocol	Extraction Method	Low/Med. Level	Dil./Conc. Factor
71534001	SL	ASP	NA	Low	1
-002	↓	↓	↓	↓	↓
-003	↓	↓	↓	↓	↓
-004	↓	↓	↓	↓	↓
-005	AQ	↓	↓	↓	100.
-006	↓	↓	↓	↓	5
-007	↓	↓	↓	↓	1
-008	↓	↓	↓	↓	1
-009	↓	↓	↓	↓	50
-010	↓	↓	↓	↓	1

NYASP 10/95

003

Analytical Data Package for IT Corporation

Client Project: NYSDEC Oser Ave., 781882

SDG# 71534

Mitkem Project ID: 71534

October 23, 2000

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to IT Corporation's NYSDEC Oser Ave. project. Under this deliverable, analysis results are presented for six aqueous and four soil samples that were received on September 23, 2000. Analyses were performed per specifications in the project's contract and the chain of custody forms.

The following samples are submitted in this data package:

<u>Client ID</u>	<u>Truncated ID</u>	<u>Lab ID</u>	<u>Analysis</u>	<u>Aqueous pH</u>
ITMW-00-12S-54-56	0012S5456	71534001	V	
ITMW-00-12S-59-61	0012S5961	71534002	V	
ITMW-00-12S-69-71	0012S6971	71534003	V	
ITMW-00-12S-79-81	0012S7981	71534004	V	
ITMW-00-12S-75	MW0012S75	71534005	V	7
ITHP-00-13-90	HP001390	71534006	V	7
ITHP-00-14-80	HP001480	71534007	V	7
ITHP-00-15-65	HP001565	71534008	V	7
ITHP-00-15-75	HP001575	71534009	V	7
TRIP BLANK	TB	71534010	V	7

V = Volatile Organics – NYSDEC ASP CLP method

The analyses were performed and reported per 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.

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 V2: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve

Trap used for instrument V5: Tekmar Vocarb 3000 containing 10 cm Carbopack B, 6 cm Carboxen 1000 and 1 cm Carboxen 1001.

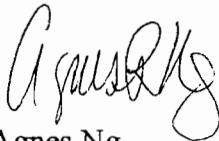
GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.
Surrogate recovery: all recoveries were within the QC limits.

Surrogate recovery: recoveries were within the QC limits

Lab control sample: spike recoveries were within the QC limits

Sample analysis: the following samples were analyzed at dilution due to target analytes above the instrument calibration range: HP001390 (5x), HP001575 (50x) and MW0012S75 (100x). No other unusual observation was noted for the analyses.

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
10/23/00

**MITKEM
CORPORATION**

* Data Summary Package *

Mitkem Corporation

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

Project Name:

SDG:

NYSDC OSER AVE 781882

71534

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		VOA GC/MS Method #	BNA GC/MS Method #	Pest PCBs Method #	Metals	Other
ITMW-00-12S-54-58	71534001	ASP				
ITMW-00-12S-59-61	-002	↓				
ITMW-00-12S-69-71	-003					
ITNW-00-12S-79-81	-004					
ITNW-00-12S-75	-005					
ITHP-00-13-90	-006					
ITHP-00-14-80	-007					
ITHP-00-15-65	-008					
ITHP-00-15-75	-009					
TRIP BLANK	-010					

NYASP 10/95

001

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name:

SDG:

NYSDEC OSER AVE 781882

71534

Laboratory Sample ID	Matrix	Date Collected	Date Received at Lab	Date Extracted	Date Analyzed
71534001	SL	9/18/00	9/23/00	NA	10/3/00
-002	↓	↓	↓	↓	↓
-003	↓	↓	↓	↓	↓
-004	↓	↓	↓	↓	↓
-005	AQ	↓	↓	↓	9/30/00
-006	↓	9/20/00	↓	↓	9/30/00
-007	↓	↓	↓	↓	↓
-008	↓	9/21/00	↓	↓	↓
-009	↓	↓	↓	↓	↓
-010	↓	↓	↓	↓	↓

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name:

NYSDEC OSER AVE 781882

SDG:

71534

Laboratory Sample ID #	Matrix	Analytical Protocol	Extraction Method	Low/Med. Level	Dil./Conc. Factor
71534001	SL	ASP	NA	Low	1
-002	↓	↓	↓	↓	↓
-003	↓	↓	↓	↓	↓
-004	↓	↓	↓	↓	↓
-005	AQ	↓	↓	↓	100.
-006	↓	↓	↓	↓	5
-007	↓	↓	↓	↓	1
-008	↓	↓	↓	↓	1
-009	↓	↓	↓	↓	50
-010	↓	↓	↓	↓	1

NYASP 10/95

003

Analytical Data Package for IT Corporation

Client Project: NYSDEC Oser Ave., 781882

SDG# 71534

Mitkem Project ID: 71534

October 23, 2000

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to IT-Corporation's NYSDEC Oser Ave. project. Under this deliverable, analysis results are presented for six aqueous and four soil samples that were received on September 23, 2000. Analyses were performed per specifications in the project's contract and the chain of custody forms.

The following samples are submitted in this data package:

<u>Client ID</u>	<u>Truncated ID</u>	<u>Lab ID</u>	<u>Analysis</u>	<u>Aqueous pH</u>
ITMW-00-12S-54-56	0012S5456	71534001	V	
ITMW-00-12S-59-61	0012S5961	71534002	V	
ITMW-00-12S-69-71	0012S6971	71534003	V	
ITMW-00-12S-79-81	0012S7981	71534004	V	
ITMW-00-12S-75	MW0012S75	71534005	V	7
ITHP-00-13-90	HP001390	71534006	V	7
ITHP-00-14-80	HP001480	71534007	V	7
ITHP-00-15-65	HP001565	71534008	V	7
ITHP-00-15-75	HP001575	71534009	V	7
TRIP BLANK	TB	71534010	V	7

V = Volatile Organics – NYSDEC ASP CLP method

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

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2. Volatile Analysis:

Trap used for instrument V2: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve

Trap used for instrument V5: Tekmar Vocab 3000 containing 10 cm Carbopack B, 6 cm Carboxen 1000 and 1 cm Carboxen 1001.

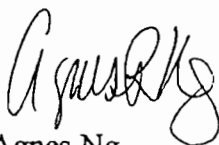
GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.
Surrogate recovery: all recoveries were within the QC limits.

Surrogate recovery: recoveries were within the QC limits

Lab control sample: spike recoveries were within the QC limits

Sample analysis: the following samples were analyzed at dilution due to target analytes above the instrument calibration range: HP001390 (5x), HP001575 (50x) and MW0012S75 (100x). No other unusual observation was noted for the analyses.

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
10/23/00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0012S5456

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) SOIL

Lab Sample ID: 71534001

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4334

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. 8

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
74-87-3	-----Chloromethane	11	U	
74-83-9	-----Bromomethane	11	U	
75-01-4	-----Vinyl Chloride	11	U	
75-00-3	-----Chloroethane	11	U	
75-09-2	-----Methylene Chloride	11	U	
67-64-1	-----Acetone	1	J	
75-15-0	-----Carbon Disulfide	11	U	
75-35-4	-----1,1-Dichloroethene	11	U	
75-34-3	-----1,1-Dichloroethane	11	U	
540-59-0	-----1,2-Dichloroethene (Total)	11	U	
67-66-3	-----Chloroform	11	U	
107-06-2	-----1,2-Dichloroethane	11	U	
78-93-3	-----2-Butanone	11	U	
71-55-6	-----1,1,1-Trichloroethane	2	JB	
56-23-5	-----Carbon Tetrachloride	11	U	
75-27-4	-----Bromodichloromethane	11	U	
78-87-5	-----1,2-Dichloropropane	11	U	
10061-01-5	-----cis-1,3-Dichloropropene	11	U	
79-01-6	-----Trichloroethene	11	U	
124-48-1	-----Dibromochloromethane	11	U	
79-00-5	-----1,1,2-Trichloroethane	11	U	
71-43-2	-----Benzene	11	U	
10061-02-6	-----trans-1,3-Dichloropropene	11	U	
75-25-2	-----Bromoform	11	U	
108-10-1	-----4-Methyl-2-Pentanone	11	U	
591-78-6	-----2-Hexanone	11	U	
127-18-4	-----Tetrachloroethene	20		
79-34-5	-----1,1,2,2-Tetrachloroethane	11	U	
108-88-3	-----Toluene	11	U	
108-90-7	-----Chlorobenzene	11	U	
100-41-4	-----Ethylbenzene	11	U	
100-42-5	-----Styrene	11	U	
1330-20-7	-----Xylene (Total)	11	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0012S5456

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) SOIL

Lab Sample ID: 71534001

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4334

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. 8

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
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5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0012S5961

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) SOIL

Lab Sample ID: 71534002

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4335

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. 0

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	2	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	2	BJ
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0012S5961

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) SOIL

Lab Sample ID: 71534002

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4335

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. 0

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0012S6971

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) SOIL

Lab Sample ID: 71534003

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4336

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. 17

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	12	U
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl Chloride	12	U
75-00-3-----	Chloroethane	12	U
75-09-2-----	Methylene Chloride	12	U
67-64-1-----	Acetone	2	J
75-15-0-----	Carbon Disulfide	12	U
75-35-4-----	1,1-Dichloroethene	12	U
75-34-3-----	1,1-Dichloroethane	12	U
540-59-0-----	1,2-Dichloroethene (Total)	12	U
67-66-3-----	Chloroform	12	U
107-06-2-----	1,2-Dichloroethane	12	U
78-93-3-----	2-Butanone	12	U
71-55-6-----	1,1,1-Trichloroethane	2	JB
56-23-5-----	Carbon Tetrachloride	12	U
75-27-4-----	Bromodichloromethane	12	U
78-87-5-----	1,2-Dichloropropane	12	U
10061-01-5-----	cis-1,3-Dichloropropene	12	U
79-01-6-----	Trichloroethene	12	U
124-48-1-----	Dibromochloromethane	12	U
79-00-5-----	1,1,2-Trichloroethane	12	U
71-43-2-----	Benzene	1	J
10061-02-6-----	trans-1,3-Dichloropropene	12	U
75-25-2-----	Bromoform	12	U
108-10-1-----	4-Methyl-2-Pentanone	12	U
591-78-6-----	2-Hexanone	12	U
127-18-4-----	Tetrachloroethene	12	U
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U
108-88-3-----	Toluene	12	U
108-90-7-----	Chlorobenzene	12	U
100-41-4-----	Ethylbenzene	1	J
100-42-5-----	Styrene	12	U
1330-20-7-----	Xylene (Total)	4	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0012S6971

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) SOIL

Lab Sample ID: 71534003

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4336

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. 17

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-65-0	2-PROPANOL, 2-METHYL-	4.16	140	NJ
2.	UNKNOWN	4.34	7	J
3.	UNKNOWN	5.71	20	J
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0012S7981

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) SOIL

Lab Sample ID: 71534004

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: V2D4337

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. 13

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl Chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene Chloride	11	U
67-64-1-----	Acetone	11	U
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
540-59-0-----	1,2-Dichloroethene (Total)	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	2	JB
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5-----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6-----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-Pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-88-3-----	Toluene	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Xylene (Total)	2	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

0012S7981

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) SOIL

Lab Sample ID: 71534004

Sample wt/vol: 5.3 (g/mL) G

Lab File ID: V2D4337

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. 13

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN	4.16	480	J
2. 109-99-9	FURAN, TETRAHYDRO-	5.71	21	NJ
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HP001390

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534006

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

Lab File ID: V5C4266

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

Dilution Factor: 5.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	50	U
74-83-9-----	Bromomethane	50	U
75-01-4-----	Vinyl Chloride	50	U
75-00-3-----	Chloroethane	50	U
75-09-2-----	Methylene Chloride	50	U
67-64-1-----	Acetone	16	J
75-15-0-----	Carbon Disulfide	50	U
75-35-4-----	1,1-Dichloroethene	50	U
75-34-3-----	1,1-Dichloroethane	50	U
540-59-0-----	1,2-Dichloroethene (Total)	50	U
67-66-3-----	Chloroform	50	U
107-06-2-----	1,2-Dichloroethane	50	U
78-93-3-----	2-Butanone	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
56-23-5-----	Carbon Tetrachloride	50	U
75-27-4-----	Bromodichloromethane	50	U
78-87-5-----	1,2-Dichloropropane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
79-01-6-----	Trichloroethene	5	J
124-48-1-----	Dibromochloromethane	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U
71-43-2-----	Benzene	50	U
10061-02-6-----	trans-1,3-Dichloropropene	50	U
75-25-2-----	Bromoform	50	U
108-10-1-----	4-Methyl-2-Pentanone	50	U
591-78-6-----	2-Hexanone	50	U
127-18-4-----	Tetrachloroethene	710	
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
108-88-3-----	Toluene	10	J
108-90-7-----	Chlorobenzene	50	U
100-41-4-----	Ethylbenzene	50	U
100-42-5-----	Styrene	50	U
1330-20-7-----	Xylene (Total)	50	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

HP001390

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534006

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

Lab File ID: V5C4266

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

Dilution Factor: 5.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN	3.37	52	J
2.	UNKNOWN	5.23	1100	J
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HP001480

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534007

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

Lab File ID: V5C4260

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	6	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

HP001480

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534007

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

Lab File ID: V5C4260

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HP001565

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534008

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

Lab File ID: V5C4261

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	2	J
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	2	J
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	150	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

HP001565

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534008

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

Lab File ID: V5C4261

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HP001575

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534009

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

Lab File ID: V5C4267

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

Dilution Factor: 50.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	Chloromethane	500	U	
74-83-9	Bromomethane	500	U	
75-01-4	Vinyl Chloride	500	U	
75-00-3	Chloroethane	500	U	
75-09-2	Methylene Chloride	500	U	
67-64-1	Acetone	500	U	
75-15-0	Carbon Disulfide	500	U	
75-35-4	1,1-Dichloroethene	500	U	
75-34-3	1,1-Dichloroethane	500	U	
540-59-0	1,2-Dichloroethene (Total)	190	J	
67-66-3	Chloroform	500	U	
107-06-2	1,2-Dichloroethane	500	U	
78-93-3	2-Butanone	500	U	
71-55-6	1,1,1-Trichloroethane	500	U	
56-23-5	Carbon Tetrachloride	500	U	
75-27-4	Bromodichloromethane	500	U	
78-87-5	1,2-Dichloropropane	500	U	
10061-01-5	cis-1,3-Dichloropropene	500	U	
79-01-6	Trichloroethene	130	J	
124-48-1	Dibromochloromethane	500	U	
79-00-5	1,1,2-Trichloroethane	500	U	
71-43-2	Benzene	500	U	
10061-02-6	trans-1,3-Dichloropropene	500	U	
75-25-2	Bromoform	500	U	
108-10-1	4-Methyl-2-Pentanone	500	U	
591-78-6	2-Hexanone	500	U	
127-18-4	Tetrachloroethene	10000		
79-34-5	1,1,2,2-Tetrachloroethane	500	U	
108-88-3	Toluene	500	U	
108-90-7	Chlorobenzene	500	U	
100-41-4	Ethylbenzene	500	U	
100-42-5	Styrene	500	U	
1330-20-7	Xylene (Total)	500	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

HP001575

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534009

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

Lab File ID: V5C4267

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

Dilution Factor: 50.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW0012S75

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534005

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

Lab File ID: V5C4265

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

Dilution Factor: 100.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	1000	U
74-83-9-----	Bromomethane	1000	U
75-01-4-----	Vinyl Chloride	1000	U
75-00-3-----	Chloroethane	1000	U
75-09-2-----	Methylene Chloride	1000	U
67-64-1-----	Acetone	1000	U
75-15-0-----	Carbon Disulfide	1000	U
75-35-4-----	1,1-Dichloroethene	1000	U
75-34-3-----	1,1-Dichloroethane	1000	U
540-59-0-----	1,2-Dichloroethene (Total)	1000	U
67-66-3-----	Chloroform	1000	U
107-06-2-----	1,2-Dichloroethane	1000	U
78-93-3-----	2-Butanone	1000	U
71-55-6-----	1,1,1-Trichloroethane	1000	U
56-23-5-----	Carbon Tetrachloride	1000	U
75-27-4-----	Bromodichloromethane	1000	U
78-87-5-----	1,2-Dichloropropane	1000	U
10061-01-5-----	cis-1,3-Dichloropropene	1000	U
79-01-6-----	Trichloroethene	100	J
124-48-1-----	Dibromochloromethane	1000	U
79-00-5-----	1,1,2-Trichloroethane	1000	U
71-43-2-----	Benzene	1000	U
10061-02-6-----	trans-1,3-Dichloropropene	1000	U
75-25-2-----	Bromoform	1000	U
108-10-1-----	4-Methyl-2-Pentanone	1000	U
591-78-6-----	2-Hexanone	1000	U
127-18-4-----	Tetrachloroethene	11000	
79-34-5-----	1,1,2,2-Tetrachloroethane	1000	U
108-88-3-----	Toluene	1000	U
108-90-7-----	Chlorobenzene	1000	U
100-41-4-----	Ethylbenzene	1000	U
100-42-5-----	Styrene	1000	U
1330-20-7-----	Xylene (Total)	1000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW0012S75

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534005

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

Lab File ID: V5C4265

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

Dilution Factor: 100.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.11	2200	J
2.	UNKNOWN	3.38	900	J
3. 75-65-0	2-PROPANOL, 2-METHYL-	5.23	1200	NJ
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534010

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

Lab File ID: V5C4259

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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	0.0	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	0.0	U
75-35-4-----	1,1-Dichloroethene	10	U
76-13-1-----	1,1,2-Trichloro-1,2,2-triflu	0.0	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
79-20-9-----	Methyl Acetate	0.0	U
75-09-2-----	Methylene Chloride	10	U
156-60-5-----	trans-1,2-Dichloroethene	10	U
1634-04-4-----	Methyl tert-Butyl Ether	0.0	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	0.0	U
56-23-5-----	Carbon Tetrachloride	10	U
71-43-2-----	Benzene	10	U
107-06-2-----	1,2-Dichloroethane	10	U
79-01-6-----	Trichloroethene	10	U
108-87-2-----	Methylcyclohexane	0.0	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534010

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

Lab File ID: V5C4259

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

124-48-1-----	Dibromochloromethane	10	U
106-93-4-----	1,2-Dibromoethane	0.0	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	0.0	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
541-73-1-----	1,3-Dichlorobenzene	0.0	U
106-46-7-----	1,4-Dichlorobenzene	0.0	U
95-50-1-----	1,2-Dichlorobenzene	0.0	U
96-12-8-----	1,2-Dibromo-3-chloropropane	0.0	U
120-82-1-----	1,2,4-Trichlorobenzene	0.0	U
123-9-1-----	1,4-Dioxane	100	U
109-99-9-----	Tetrahydrofuran	50	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: 71534010

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

Lab File ID: V5C4259

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.27	70	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5M

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: V5B0930A

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

Lab File ID: V5C4256

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	3	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK5M

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: V5B0930A

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

Lab File ID: V5C4256

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____
7. _____	_____	_____	_____	_____
8. _____	_____	_____	_____	_____
9. _____	_____	_____	_____	_____
10. _____	_____	_____	_____	_____
11. _____	_____	_____	_____	_____
12. _____	_____	_____	_____	_____
13. _____	_____	_____	_____	_____
14. _____	_____	_____	_____	_____
15. _____	_____	_____	_____	_____
16. _____	_____	_____	_____	_____
17. _____	_____	_____	_____	_____
18. _____	_____	_____	_____	_____
19. _____	_____	_____	_____	_____
20. _____	_____	_____	_____	_____
21. _____	_____	_____	_____	_____
22. _____	_____	_____	_____	_____
23. _____	_____	_____	_____	_____
24. _____	_____	_____	_____	_____
25. _____	_____	_____	_____	_____
26. _____	_____	_____	_____	_____
27. _____	_____	_____	_____	_____
28. _____	_____	_____	_____	_____
29. _____	_____	_____	_____	_____
30. _____	_____	_____	_____	_____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) SOIL

Lab Sample ID: V2B1003A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4332

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	2	J
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) SOIL

Lab Sample ID: V2B1003A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4332

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN	3.00	5	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: V5B1003A

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

Lab File ID: V5C4332

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	2	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK5Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: V5B1003A

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

Lab File ID: V5C4332

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK5Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: V5B1003A

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

Lab File ID: V5C4341

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	7	J
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	1	JB

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK5Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: V5B1003A

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

Lab File ID: V5C4341

Level: (low/med) LOW

Date Received: 09/23/00

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK5MLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) WATER

Lab Sample ID: V5L0930A

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

Lab File ID: V5C4257

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 09/30/00

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	2	JB
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	39	
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	44	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	45	
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	48	
108-90-7-----	Chlorobenzene	49	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK2PLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix: (soil/water) SOIL

Lab Sample ID: V2L1003A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V2D4333

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 10/03/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	1	J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	48	
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	2	JB
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	57	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	56	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	56	
108-90-7	Chlorobenzene	57	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLK5M	97	96	94		0
02	VBLK5MLCS	98	99	94		0
03	TB	98	99	95		0
04	HP001480	100	96	94		0
05	HP001565	98	96	94		0
06	MW0012S75	96	97	92		0
07	HP001390	99	97	95		0
08	HP001575	100	97	94		0
09	VBLK5Q	99	90	97		0
10	VHBLK5Q	99	90	103		0
11						
12						
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30						

QC LIMITS

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

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: 71534

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBK2P	92	83	91		0
02	VBK2PLCS	91	84	86		0
03	0012S5456	91	83	89		0
04	0012S5961	92	86	91		0
05	0012S6971	90	84	89		0
06	0012S7981	90	84	92		0
07						
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QC LIMITS

SMC1 (TOL) = Toluene-d8 (84-138)
 SMC2 (BFB) = Bromofluorobenzene (59-113)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix Spike - Sample No.: VBLK2P

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50	0.0	48	96	59-172
Trichloroethene	50	0.0	57	114	62-137
Benzene	50	0.0	56	112	66-142
Toluene	50	0.0	56	112	59-139
Chlorobenzene	50	0.0	57	114	60-133

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Matrix Spike - Sample No.: VBLK5M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0.0	39	78	61-145
Trichloroethene	50	0.0	44	88	71-120
Benzene	50	0.0	45	90	76-127
Toluene	50	0.0	48	96	76-125
Chlorobenzene	50	0.0	49	98	75-130

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5M

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Lab File ID: V5C4256

Lab Sample ID: V5B0930A

Date Analyzed: 09/30/00

Time Analyzed: 1340

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

Heated Purge: (Y/N) N

Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLK5MLCS	V5L0930A	V5C4257	1418
02	TB	71534010	V5C4259	1542
03	HP001480	71534007	V5C4260	1608
04	HP001565	71534008	V5C4261	1634
05	MW0012S75	71534005	V5C4265	1905
06	HP001390	71534006	V5C4266	1933
07	HP001575	71534009	V5C4267	2000
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Lab File ID: V2D4332

Lab Sample ID: V2B1003A

Date Analyzed: 10/03/00

Time Analyzed: 1036

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

Heated Purge: (Y/N) Y

Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	VBLK2PLCS	V2L1003A	V2D4333	1241
02	0012S5456	71534001	V2D4334	1312
03	0012S5961	71534002	V2D4335	1341
04	0012S6971	71534003	V2D4336	1409
05	0012S7981	71534004	V2D4337	1438
06				
07				
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK5Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Lab File ID: V5C4332

Lab Sample ID: V5B1003A

Date Analyzed: 10/03/00

Time Analyzed: 0948

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

Heated Purge: (Y/N) N

Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK5Q	V5B1003A	V5C4341	1535
02				
03				
04				
05				
06				
07				
08				
09				
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COMMENTS:

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Lab File ID (Standard): V5C4255

Date Analyzed: 09/30/00

Instrument ID: V5

Time Analyzed: 1248

GC Column: DB-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	188568	6.75	1305550	7.78	1112392	11.01
UPPER LIMIT	377136	7.25	2611100	8.28	2224784	11.51
LOWER LIMIT	94284	6.25	652775	7.28	556196	10.51
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLK5M	172357	6.75	1219173	7.77	1078904	11.01
02 VBLK5MLCS	185099	6.75	1273988	7.77	1132808	11.01
03 TB	176675	6.75	1212421	7.78	1071961	11.01
04 HP001480	183635	6.75	1218248	7.78	1066629	11.01
05 HP001565	169928	6.76	1164518	7.78	1035279	11.01
06 MW0012S75	171145	6.75	1116770	7.78	1045924	11.01
07 HP001390	178046	6.75	1180440	7.77	1033575	11.01
08 HP001575	180022	6.75	1174398	7.78	1024625	11.00
09						
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22						

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

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

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Lab File ID (Standard): V2D4331

Date Analyzed: 10/03/00

Instrument ID: V2

Time Analyzed: 1000

GC Column: DB-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	114802	5.66	577753	6.77	499225	10.37
UPPER LIMIT	229604	6.16	1155506	7.27	998450	10.87
LOWER LIMIT	57401	5.16	288877	6.27	249613	9.87
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLK2P	96094	5.65	496457	6.77	423232	10.37
02 VBLK2PLCS	95767	5.66	475070	6.77	408248	10.37
03 0012S5456	96637	5.66	460647	6.77	395882	10.37
04 0012S5961	97119	5.66	481809	6.77	411523	10.37
05 0012S6971	85839	5.66	419683	6.77	363198	10.37
06 0012S7981	82237	5.65	399550	6.77	348596	10.36
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22						

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

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71534

Lab File ID (Standard): V5C4331

Date Analyzed: 10/03/00

Instrument ID: V5

Time Analyzed: 0917

GC Column: DB-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (BCM)	RT #	IS2 (DFB)	RT #	IS3 (CBZ)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	204582	6.75	1378766	7.77	1236298	11.01
UPPER LIMIT	409164	7.25	2757532	8.27	2472596	11.51
LOWER LIMIT	102291	6.25	689383	7.27	618149	10.51
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLK5Q	159319	6.76	1078757	7.77	936530	11.01
02 VHBLK5Q	138115	6.75	922749	7.78	817492	11.02
03						
04						
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06						
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16						
17						
18						
19						
20						
21						
22						

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

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

* Values outside of QC limits.

MITKEM
CORPORATION

November 17, 2000

IT Corporation
13 British American Blvd.
Latham, NY 12110
Attn: Mr. Tom Antonoff

RE: Client Project: NYSDEC Oser Ave, 781882
Mitkem Lab Project # 71781

Dear Mr. Antonoff:

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

If you have any questions regarding this report, please call me.

We appreciate your business

Sincerely,



Edward A. Lawler
Laboratory Operations Manager

Mitkem Corporation

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

Project Name:

SDG:

NYSDEC Qser Ave 781882

71781

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		VOA GC/MS Method #	BNA GC/MS Method #	Pest PCBs Method #	Metals	Other
W-9	71781001	ASP				
ITMW-00-14S	-002					
ITMW-00-15S	-003					
ITMW-00-8S	-004					
Field Blank	-005					
Trip Blank	-006					
ITMW-6S	-007					
DUPLICATE 1	-008					
ITMW-1D	-009					
ITMW-5S	-010					
ITMW-1S	-011					
FIELD BLANK	-012					
RINSE BLANK	-013					

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name:

NYSDEC Oser Ave 781882

SDG:

71781

Laboratory Sample ID	Matrix	Date Collected	Date Received at Lab	Date Extracted	Date Analyzed
71781001	AG	11/1/00	11/3/00	—	11/10/00
-002					
-003					
-004					
-005					
-006					11/8/00
-007		11/2/00			11/10/00
-008					
-009					
-010					
-011					
-012					
-013					

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name:

NYSDEC Oser Ave 731882

SDG:

71781

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Med. Level	Dil./Conc. Factor
71781001	AG	ASP	T	L	5
-002	↓	↓	↓	↓	2
-003	↓	↓	↓	↓	10
-004	↓	↓	↓	↓	20
-005	↓	↓	↓	↓	1
-006	↓	↓	↓	↓	1
-007	↓	↓	↓	↓	10
-008	↓	↓	↓	↓	10
-009	↓	↓	↓	↓	5
-010	↓	↓	↓	↓	500
-011	↓	↓	↓	↓	250
-012	↓	↓	↓	↓	1
-013	↓	↓	↓	↓	1

NYASP 10/95

Analytical Data Package for IT Corporation

Client Project: NYSDEC Oser Ave., 781882

SDG# 71781

Mitkem Project ID: 71781

November 17, 2000

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to IT Corporation's NYSDEC Oser Ave. project. Under this deliverable, analysis results are presented for thirteen aqueous samples that were received on November 3, 2000. Analyses were performed per specifications in the project's contract and the chain of custody forms.

The following samples are submitted in this data package:

<u>Client ID</u>	<u>Truncated ID</u>	<u>Lab ID</u>	<u>Analysis</u>	<u>Aqueous pH</u>
W-9	W-9	71781001	V	7
ITMW-00-14S	ITMW0014S	71781002	V	7
ITMW-00-15S	ITMW0015S	71781003	V	7
ITMW-00-8S	IMTMW008S	71781004	V	7
FIELD BLANK	FB	71781005	V	7
TRIP BLANK	TB	71781006	V	7
ITMW-6S	ITMW6S	71781007	V	7
DUPLICATE1	DUP1	71781008	V	7
ITMW-1D	ITMW1D	71781009	V	7
ITMW-5S	ITMW5S	71781010	V	7
ITMW-1S	ITMW1S	71781011	V	7
FIELD BLANK	FB2	71781012	V	7
RINSATE BLANK	RB	71781013	V	7

V = Volatile Organics – NYSDEC ASP CLP method, modified to report additional freon compounds per client request.

The analyses were performed and reported per 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.

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:

Per client request additional compounds which are included in the USEPA CLP OLM04.2 list of target compounds have been analyzed-for in these samples. The samples were analyzed per NYSDEC ASP 95-1 procedures, with the additional compounds. Data are reported using the forms designed for the USEPA method in order to report the additional compounds. The NYSDEC acceptance criteria have been applied to the analyses.

Trap used for instrument V2: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.
Surrogate recovery: all recoveries were within the QC limits.

Surrogate recovery: recoveries were within the QC limits

Lab control sample: spike recoveries were within the QC limits

Sample analysis: the following samples were analyzed at dilution due to target analytes above the instrument calibration range: DUP1 (10X), ITMW0014S (2X), ITMW0015S (10X), ITM008S (20X), ITMW1D(5X), ITMW1S (250X), ITMW5S (500X), ITMW6S (10X) and W9 (5X). In several of these dilutions the concentration of tetrachloroethene was above the continuing calibration (50ppb) standard, but below the midpoint (100ppb) standard in the calibration curve. No other unusual observation was noted for the analyses.

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.



Edward A. Lawler
Laboratory Operations Manager
11/17/00

000002

The logo for MITKEM CORPORATION is centered at the top of the page. It consists of the words "MITKEM" and "CORPORATION" stacked vertically in a bold, serif font. The text is white and set against a dark, textured rectangular background. This entire graphic is enclosed within a thin black rectangular border.

**MITKEM
CORPORATION**

* Data Summary Package *

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to IT Corporation's NYSDEC Oser Ave. project. Under this deliverable, analysis results are presented for thirteen aqueous samples that were received on November 3, 2000. Analyses were performed per specifications in the project's contract and the chain of custody forms.

The following samples are submitted in this data package:

<u>Client ID</u>	<u>Truncated ID</u>	<u>Lab ID</u>	<u>Analysis</u>	<u>Aqueous pH</u>
W-9	W-9	71781001	V	7
ITMW-00-14S	ITMW0014S	71781002	V	7
ITMW-00-15S	ITMW0015S	71781003	V	7
ITMW-00-8S	IMTMW008S	71781004	V	7
FIELD BLANK	FB	71781005	V	7
TRIP BLANK	TB	71781006	V	7
ITMW-6S	ITMW6S	71781007	V	7
DUPLICATE1	DUP1	71781008	V	7
ITMW-1D	ITMW1D	71781009	V	7
ITMW-5S	ITMW5S	71781010	V	7
ITMW-1S	ITMW1S	71781011	V	7
FIELD BLANK	FB2	71781012	V	7
RINSATE BLANK	RB	71781013	V	7

V = Volatile Organics – NYSDEC ASP CLP method, modified to report additional freon compounds per client request.

The analyses were performed and reported per 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.

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

000001

several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Per client request additional compounds which are included in the USEPA CLP OLM04.2 list of target compounds have been analyzed-for in these samples. The samples were analyzed per NYSDEC ASP 95-1 procedures, with the additional compounds. Data are reported using the forms designed for the USEPA method in order to report the additional compounds. The NYSDEC acceptance criteria have been applied to the analyses.

Trap used for instrument V2: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.
Surrogate recovery: all recoveries were within the QC limits.

Surrogate recovery: recoveries were within the QC limits

Lab control sample: spike recoveries were within the QC limits

Sample analysis: the following samples were analyzed at dilution due to target analytes above the instrument calibration range: DUP1 (10X), ITMW0014S (2X), ITMW0015S (10X), ITM008S (20X), ITMW1D(5X), ITMW1S (250X), ITMW5S (500X), ITMW6S (10X) and W9 (5X). In several of these dilutions the concentration of tetrachloroethene was above the continuing calibration (50ppb) standard, but below the midpoint (100ppb) standard in the calibration curve. No other unusual observation was noted for the analyses.

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.



Edward A. Lawler
Laboratory Operations Manager
11/17/00

000002

Mitkem Corporation

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

Project Name:

SDG:

NYSDEC Osser Ave 781882

71781

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		VOA GC/MS Method #	BNA GC/MS Method #	Pest PCBs Method #	Metals	Other
W-9	71781001	ASP				
ITMW-00-14S	-002	↓				
ITMW-00-15S	-003					
ITMW-00-8S	-004					
Field Blank	-005					
Trip Blank	-006					
ITMW-6S	-007					
DUPLICATE 1	-008					
ITMW-1D	-009					
ITMW-5S	-010					
ITMW-1S	-011					
FIELD BLANK	-012					
RINSE BLANK	-013					

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name:

NYSDEC Oser Ave 781882

SDG:

71781

Laboratory Sample ID	Matrix	Date Collected	Date Received at Lab	Date Extracted	Date Analyzed
71781001	AG	11/1/00	11/3/00	—	11/10/00
-002	↓	↓	↓	↓	↓
-003	↓	↓	↓	↓	↓
-004	↓	↓	↓	↓	↓
-005	↓	↓	↓	↓	↓
-006	↓	↓	↓	↓	11/8/00
-007	↓	11/2/00	↓	↓	11/10/00
-008	↓	↓	↓	↓	↓
-009	↓	↓	↓	↓	↓
-010	↓	↓	↓	↓	↓
-011	↓	↓	↓	↓	↓
-012	↓	↓	↓	↓	↓
-013	↓	↓	↓	↓	↓

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name:

SDG:

NYSDDEC Oser Ave 781882

71781

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Med. Level	Dil./Conc. Factor
71781001	AG	ASP	↑	L	5
-002	↓	↓	↓	↓	2
-003	↓	↓	↓	↓	10
-004	↓	↓	↓	↓	20
-005	↓	↓	↓	↓	1
-006	↓	↓	↓	↓	1
-007	↓	↓	↓	↓	10
-008	↓	↓	↓	↓	10
-009	↓	↓	↓	↓	5
-010	↓	↓	↓	↓	500
-011	↓	↓	↓	↓	250
-012	↓	↓	↓	↓	1
-013	↓	↓	↓	↓	1

NYASP 10/95

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW0014S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781002

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5626

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

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

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW0014S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781002

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5626

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

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

79-01-6	Trichloroethene	20	U
108-87-2	Methylcyclohexane	20	U
78-87-5	1,2-Dichloropropane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	370	B
591-78-6	2-Hexanone	20	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
1330-20-7	Xylene (total)	20	U
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropylbenzene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW0014S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781002

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5626

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW008S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781004

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5616

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

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

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

CAS NO. COMPOUND

75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200	U
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	200	U
79-20-9	Methyl Acetate	200	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-Butyl Ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	21	J
78-93-3	2-Butanone	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	200	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW008S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781004

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5616

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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	29	J
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
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	3200	B
591-78-6	2-Hexanone	200	U
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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW008S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER

Lab Sample ID: 71781004

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

Lab File ID: V2D5616

Level: (low/med) LOW

Date Received: 11/03/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 20.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW0015S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781003

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5615

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	100	U
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	100	U
79-20-9	Methyl Acetate	100	U
75-09-2	Methylene Chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-Butyl Ether	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	100	U
78-93-3	2-Butanone	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon Tetrachloride	100	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	100	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW0015S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71781

Matrix: (soil/water) WATER

Lab Sample ID: 71781003

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

Lab File ID: V2D5615

Level: (low/med) LOW

Date Received: 11/03/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 10.0

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	100	U
108-87-2	Methylcyclohexane	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	900	B
591-78-6	2-Hexanone	100	U
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
1330-20-7	Xylene (total)	100	U
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW0015S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781003

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5615

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.17	150	J
2.				
3.				
4.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW1D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5620

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

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	50	U
74-87-3	Chloromethane	50	U
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	27	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	11	J
67-64-1	Acetone	17	J
75-15-0	Carbon Disulfide	50	U
79-20-9	Methyl Acetate	50	U
75-09-2	Methylene Chloride	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-Butyl Ether	50	U
75-34-3	1,1-Dichloroethane	50	U
156-59-2	cis-1,2-Dichloroethene	9	J
78-93-3	2-Butanone	50	U
67-66-3	Chloroform	50	U
71-55-6	1,1,1-Trichloroethane	99	
110-82-7	Cyclohexane	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW1D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5620

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

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

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

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	87	
108-87-2	Methylcyclohexane	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	390	B
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
1330-20-7	Xylene (total)	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW1D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5620

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1.				
2.				
3.				
4.				
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27.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW1S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781011

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5622

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 250.0

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	2500	U
74-87-3	Chloromethane	2500	U
75-01-4	Vinyl Chloride	2500	U
74-83-9	Bromomethane	2500	U
75-00-3	Chloroethane	2500	U
75-69-4	Trichlorofluoromethane	2500	U
75-35-4	1,1-Dichloroethene	2500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2500	U
67-64-1	Acetone	2500	U
75-15-0	Carbon Disulfide	2500	U
79-20-9	Methyl Acetate	2500	U
75-09-2	Methylene Chloride	2500	U
156-60-5	trans-1,2-Dichloroethene	2500	U
1634-04-4	Methyl tert-Butyl Ether	2500	U
75-34-3	1,1-Dichloroethane	2500	U
156-59-2	cis-1,2-Dichloroethene	2500	U
78-93-3	2-Butanone	2500	U
67-66-3	Chloroform	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
110-82-7	Cyclohexane	2500	U
56-23-5	Carbon Tetrachloride	2500	U
71-43-2	Benzene	2500	U
107-06-2	1,2-Dichloroethane	2500	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW1S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781011

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5622

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 250.0

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	2500	U
108-87-2	Methylcyclohexane	2500	U
78-87-5	1,2-Dichloropropane	2500	U
75-27-4	Bromodichloromethane	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
108-10-1	4-Methyl-2-Pentanone	2500	U
108-88-3	Toluene	2500	U
10061-02-6	trans-1,3-Dichloropropene	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
127-18-4	Tetrachloroethene	33000	B
591-78-6	2-Hexanone	2500	U
124-48-1	Dibromochloromethane	2500	U
106-93-4	1,2-Dibromoethane	2500	U
108-90-7	Chlorobenzene	2500	U
100-41-4	Ethylbenzene	2500	U
1330-20-7	Xylene (total)	2500	U
100-42-5	Styrene	2500	U
75-25-2	Bromoform	2500	U
98-82-8	Isopropylbenzene	2500	U
79-34-5	1,1,2,2-Tetrachloroethane	2500	U
541-73-1	1,3-Dichlorobenzene	2500	U
106-46-7	1,4-Dichlorobenzene	2500	U
95-50-1	1,2-Dichlorobenzene	2500	U
96-12-8	1,2-Dibromo-3-chloropropane	2500	U
120-82-1	1,2,4-Trichlorobenzene	2500	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW1S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER

Lab Sample ID: 71781011

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

Lab File ID: V2D5622

Level: (low/med) LOW

Date Received: 11/03/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 250.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW5S

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781
 Matrix: (soil/water) WATER Lab Sample ID: 71781010
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5621
 Level: (low/med) LOW Date Received: 11/03/00
 % Moisture: not dec. _____ Date Analyzed: 11/10/00
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 500.0
 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	5000	U
74-87-3	Chloromethane	5000	U
75-01-4	Vinyl Chloride	5000	U
74-83-9	Bromomethane	5000	U
75-00-3	Chloroethane	5000	U
75-69-4	Trichlorofluoromethane	5000	U
75-35-4	1,1-Dichloroethene	5000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5000	U
67-64-1	Acetone	5000	U
75-15-0	Carbon Disulfide	5000	U
79-20-9	Methyl Acetate	5000	U
75-09-2	Methylene Chloride	5000	U
156-60-5	trans-1,2-Dichloroethene	5000	U
1634-04-4	Methyl tert-Butyl Ether	5000	U
75-34-3	1,1-Dichloroethane	5000	U
156-59-2	cis-1,2-Dichloroethene	5000	U
78-93-3	2-Butanone	5000	U
67-66-3	Chloroform	5000	U
71-55-6	1,1,1-Trichloroethane	5000	U
110-82-7	Cyclohexane	5000	U
56-23-5	Carbon Tetrachloride	5000	U
71-43-2	Benzene	5000	U
107-06-2	1,2-Dichloroethane	5000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW5S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781010

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5621

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 500.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
79-01-6	Trichloroethene	5000	U
108-87-2	Methylcyclohexane	5000	U
78-87-5	1,2-Dichloropropane	5000	U
75-27-4	Bromodichloromethane	5000	U
10061-01-5	cis-1,3-Dichloropropene	5000	U
108-10-1	4-Methyl-2-Pentanone	5000	U
108-88-3	Toluene	5000	U
10061-02-6	trans-1,3-Dichloropropene	5000	U
79-00-5	1,1,2-Trichloroethane	5000	U
127-18-4	Tetrachloroethene	42000	B
591-78-6	2-Hexanone	5000	U
124-48-1	Dibromochloromethane	5000	U
106-93-4	1,2-Dibromoethane	5000	U
108-90-7	Chlorobenzene	5000	U
100-41-4	Ethylbenzene	5000	U
1330-20-7	Xylene (total)	5000	U
100-42-5	Styrene	5000	U
75-25-2	Bromoform	5000	U
98-82-8	Isopropylbenzene	5000	U
79-34-5	1,1,2,2-Tetrachloroethane	5000	U
541-73-1	1,3-Dichlorobenzene	5000	U
106-46-7	1,4-Dichlorobenzene	5000	U
95-50-1	1,2-Dichlorobenzene	5000	U
96-12-8	1,2-Dibromo-3-chloropropane	5000	U
120-82-1	1,2,4-Trichlorobenzene	5000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW5S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER

Lab Sample ID: 71781010

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

Lab File ID: V2D5621

Level: (low/med) LOW

Date Received: 11/03/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 500.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW6S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71781

Matrix: (soil/water) WATER

Lab Sample ID: 71781007

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

Lab File ID: V2D5618

Level: (low/med) LOW

Date Received: 11/03/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 10.0

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	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	100	U
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	100	U
79-20-9	Methyl Acetate	100	U
75-09-2	Methylene Chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-Butyl Ether	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	100	U
78-93-3	2-Butanone	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon Tetrachloride	100	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	100	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW6S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71781

Matrix: (soil/water) WATER

Lab Sample ID: 71781007

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

Lab File ID: V2D5618

Level: (low/med) LOW

Date Received: 11/03/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 10.0

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	100	U
108-87-2	Methylcyclohexane	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	1000	B
591-78-6	2-Hexanone	100	U
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
1330-20-7	Xylene (total)	100	U
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW6S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781007

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5618

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781008

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5619

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	100	U
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	100	U
79-20-9	Methyl Acetate	100	U
75-09-2	Methylene Chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-Butyl Ether	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	100	U
78-93-3	2-Butanone	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon Tetrachloride	100	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	100	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781008

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5619

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

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

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	100	U
108-87-2	Methylcyclohexane	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	1000	B
591-78-6	2-Hexanone	100	U
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
1330-20-7	Xylene (total)	100	U
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781008

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5619

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781005

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5617

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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		
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	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.

FB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781005

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5617

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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		
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	1	JB
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781005

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5617

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781012

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5623

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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	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.

FB2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781012

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5623

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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		
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	1	JB
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781012

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5623

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781013

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5624

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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	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.

RB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781013

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5624

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER

Lab Sample ID: 71781013

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

Lab File ID: V2D5624

Level: (low/med) LOW

Date Received: 11/03/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781
 Matrix: (soil/water) WATER Lab Sample ID: 71781006
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5550
 Level: (low/med) LOW Date Received: 11/03/00
 % Moisture: not dec. _____ Date Analyzed: 11/08/00
 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		
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.

TB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781006

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5550

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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	7	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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER

Lab Sample ID: 71781006

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

Lab File ID: V2D5550

Level: (low/med) LOW

Date Received: 11/03/00

% Moisture: not dec. _____

Date Analyzed: 11/08/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

W-9

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781
 Matrix: (soil/water) WATER Lab Sample ID: 71781001
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5625
 Level: (low/med) LOW Date Received: 11/03/00
 % Moisture: not dec. _____ Date Analyzed: 11/10/00
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	50	U
74-87-3	Chloromethane	50	U
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	U
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	11	J
79-20-9	Methyl Acetate	50	U
75-09-2	Methylene Chloride	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-Butyl Ether	50	U
75-34-3	1,1-Dichloroethane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
78-93-3	2-Butanone	50	U
67-66-3	Chloroform	50	U
71-55-6	1,1,1-Trichloroethane	50	U
110-82-7	Cyclohexane	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

W-9

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781
 Matrix: (soil/water) WATER Lab Sample ID: 71781001
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5625
 Level: (low/med) LOW Date Received: 11/03/00
 % Moisture: not dec. _____ Date Analyzed: 11/10/00
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0
 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	50	U
108-87-2	Methylcyclohexane	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	660	B
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
1330-20-7	Xylene (total)	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

W-9

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: 71781001

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5625

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2MLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: V2L1108A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5543

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

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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		
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	36	
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	40	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2MLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: V2L1108A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5543

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

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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		
79-01-6	Trichloroethene	41	
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	40	
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	40	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLK2M	95	88	95		0
02	VBLK2MLCS	94	87	94		0
03	TB	92	93	101		0
04	VBLK2P	93	107	102		0
05	ITMW0015S	93	109	110		0
06	ITMW008S	96	110	108		0
07	FB	92	106	110		0
08	ITMW6S	94	109	109		0
09	DUP1	94	109	107		0
10	ITMW1D	93	109	110		0
11	ITMW5S	93	107	111		0
12	ITMW1S	92	107	113		0
13	FB2	93	106	110		0
14	RB	92	105	111		0
15	W-9	91	110	110		0
16	ITMW0014S	92	109	110		0
17	VHBLK2P	92	106	114		0
18						
19						
20						
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QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)

SMC2 (BFB) = Bromofluorobenzene (86-115)

SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71781

Matrix Spike - Sample No.: VBLK2M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50	0.0	36	72	61-145
Benzene	50	0.0	40	80	76-127
Trichloroethene	50	0.0	41	82	71-120
Toluene	50	0.0	40	80	76-125
Chlorobenzene	50	0.0	40	80	75-130

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: 71781

Lab File ID: V2D5542

Lab Sample ID: V2B1108A

Date Analyzed: 11/08/00

Time Analyzed: 1035

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

Heated Purge: (Y/N) N

Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	VBLK2MLCS	V2L1108A	V2D5543	1104
02	TB	71781006	V2D5550	1421
03				
04				
05				
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COMMENTS: _____

000040

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: V2B1108A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5542

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

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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.

VLK2M

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71781

Matrix: (soil/water) WATER

Lab Sample ID: V2B1108A

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

Lab File ID: V2D5542

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 11/08/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER

Lab Sample ID: V2B1108A

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

Lab File ID: V2D5542

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 11/08/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2P

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781
 Lab File ID: V2D5612 Lab Sample ID: V2B1110A
 Date Analyzed: 11/10/00 Time Analyzed: 1141
 GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
 Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	ITMW0015S	71781003	V2D5615	1311
02	ITMW008S	71781004	V2D5616	1340
03	FB	71781005	V2D5617	1408
04	ITMW6S	71781007	V2D5618	1435
05	DUP1	71781008	V2D5619	1502
06	ITMW1D	71781009	V2D5620	1530
07	ITMW5S	71781010	V2D5621	1557
08	ITMW1S	71781011	V2D5622	1625
09	FB2	71781012	V2D5623	1653
10	RB	71781013	V2D5624	1721
11	W-9	71781001	V2D5625	1748
12	ITMW0014S	71781002	V2D5626	1816
13	VHBLK2P	V2B1110B	V2D5633	2127
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: V2B1110A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5612

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

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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.

VBK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: V2B1110A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5612

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

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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		
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	2	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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: V2B1110A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5612

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

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: V2B1110B

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5633

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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.

VHBLK2P

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER

Lab Sample ID: V2B1110B

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

Lab File ID: V2D5633

Level: (low/med) LOW

Date Received: 11/03/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781

Matrix: (soil/water) WATER Lab Sample ID: V2B1110B

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5633

Level: (low/med) LOW Date Received: 11/03/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781
 EPA Sample No. (VSTD050##): VSTD0502M Date Analyzed: 11/08/00
 Lab File ID (Standard): V2D5541 Time Analyzed: 1002
 Instrument ID: V2 Heated Purge: (Y/N) N
 GC Column: DB-624 ID: 0.25 (mm)

	IS1 (BCM)	RT #	IS2 (DFB)	RT #	IS3 (CBZ)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	42509	5.63	197414	6.75	175879	10.34
UPPER LIMIT	85018	6.13	394828	7.25	351758	10.84
LOWER LIMIT	21255	5.13	98707	6.25	87940	9.84
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
=====	=====	=====	=====	=====	=====	=====
01 VBLK2M	51524	5.64	244020	6.76	214469	10.35
02 VBLK2MLCS	49525	5.64	227337	6.77	203635	10.36
03 TB	43938	5.64	193082	6.76	173783	10.34
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22						

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

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

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71781
 EPA Sample No. (VSTD050##): VSTD0502P Date Analyzed: 11/10/00
 Lab File ID (Standard): V2D5611 Time Analyzed: 1054
 Instrument ID: V2 Heated Purge: (Y/N) N
 GC Column: DB-624 ID: 0.25 (mm)

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	279977	5.67	1400681	6.78	1201622	10.37
UPPER LIMIT	559954	6.17	2801362	7.28	2403244	10.87
LOWER LIMIT	139989	5.17	700341	6.28	600811	9.87
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
=====	=====	=====	=====	=====	=====	=====
01 VBLK2P	295841	5.67	1539989	6.78	1352875	10.38
02 ITMW0015S	261036	5.67	1395675	6.78	1251240	10.38
03 ITMW008S	268168	5.67	1393976	6.78	1222113	10.38
04 FB	265227	5.67	1375549	6.78	1230310	10.38
05 ITMW6S	260732	5.67	1359681	6.78	1196853	10.38
06 DUP1	262009	5.68	1365379	6.79	1209182	10.38
07 ITMW1D	256580	5.68	1321226	6.78	1175189	10.38
08 ITMW5S	260873	5.67	1294753	6.78	1173215	10.38
09 ITMW1S	251346	5.67	1284396	6.78	1157782	10.38
10 FB2	255684	5.67	1282093	6.78	1149192	10.38
11 RB	254164	5.67	1265464	6.79	1152376	10.37
12 W-9	253007	5.65	1293251	6.76	1209577	10.36
13 ITMW0014S	246086	5.65	1291779	6.76	1174846	10.36
14 VHBLK2P	239116	5.67	1211298	6.78	1109393	10.38
15						
16						
17						
18						
19						
20						
21						
22						

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

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

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



"Environmental Testing For The New Millennium"

November 22, 2000

IT Corporation
13 British American Blvd.
Latham, NY 12110
Attn: Mr. Tom Antonoff

RE: Client Project: Oser Avenue, 781882
Mitkem Lab Project # 71792

Dear Mr. Antonoff:

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

If you have any questions regarding this report, please call me.

We appreciate your business

Sincerely,

A handwritten signature in black ink, appearing to read "Agnes R. Ng", is written over a horizontal line.

Agnes R. Ng
CLP Project Manager



* Data Summary Package *

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

SDG:

71792

[illegible]

Page 1

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name:

SDG:

OSER AVENUE 781882

71792

Laboratory Sample ID	Matrix	Date Collected	Date Received at Lab	Date Extracted	Date Analyzed
71792.001	AQ	11/03/00	11/04/00	NA	11/16/00
002					11/8/00; 11/10/00
003					11/10/00
004					
005					
006					
007					11/8/00
008					
009					

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name:

OSER AVENUE

SDG:

71792

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Med. Level	Dil./Conc. Factor
71792 001	AQ	ASPV0A	NA	LOW	1
002					10
003					1
004					
005					
006					
007					
008					
009					

NYASP 10/95

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to IT Corporation's Oser Avenue project. Under this deliverable, analysis results are presented for nine aqueous samples that were received on November 4, 2000. Analyses were performed per specifications in the project's contract and the chain of custody forms. Please note that sample ITMW-00-19S is listed on the COC, but not received by the lab.

The following samples are submitted in this data package:

<u>Client ID</u>	<u>Truncated ID</u>	<u>Lab ID</u>	<u>Analysis</u>	<u>VOA pH</u>
ITMW-00-11S		71792001	V	7
ITMW-00-13S	MW-00-13S	71792002	V	7
ITMW-9D		71792003	V	7
FIELD BLANK		71792004	V	7
ITMW-10D		71792005	V	7
ITMW-00-18S		71792006	V	7
DUPLICATE-2		71792007	V	7
RINSEATE BLANK	RINSEATE BLK	71792008	V	7
TRIPBLANK		71792009	V	7

V = Volatile Organics – NYSDEC ASP CLP method, modified to report additional freon compounds per client request.

The analyses were performed and reported per 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.

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.

000001

2. Volatile Analysis:

Per client request additional compounds which are included in the USEPA CLP OLM04.2 list of target compounds have been analyzed-for in these samples. The samples were analyzed per NYSDEC ASP 95-1 procedures, with the additional compounds. Data are reported using the forms designed for the USEPA method in order to report the additional compounds. The NYSDEC acceptance criteria have been applied to the analyses.

Trap used for instrument V2: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve

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

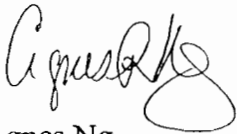
Surrogate recovery: all recoveries were within the QC limits.

Surrogate recovery: recoveries were within the QC limits

Lab control sample: spike recoveries were within the QC limits

Sample analysis: sample MW-00-13S was re-analyzed at 10x dilution due to target analytes above the instrument calibration range. No other unusual observation was noted for the analyses.

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
11/22/00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-9D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792003

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5629

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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	5	J
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.

ITMW-9D

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792
 Matrix: (soil/water) WATER Lab Sample ID: 71792003
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5629
 Level: (low/med) LOW Date Received: 11/04/00
 % Moisture: not dec. _____ Date Analyzed: 11/10/00
 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	45	B
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-9D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER

Lab Sample ID: 71792003

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

Lab File ID: V2D5629

Level: (low/med) LOW

Date Received: 11/04/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-10D

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792
 Matrix: (soil/water) WATER Lab Sample ID: 71792005
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5631
 Level: (low/med) LOW Date Received: 11/04/00
 % Moisture: not dec. _____ Date Analyzed: 11/10/00
 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	2	J
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.

ITMW-10D

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71792

Matrix: (soil/water) WATER

Lab Sample ID: 71792005

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

Lab File ID: V2D5631

Level: (low/med) LOW

Date Received: 11/04/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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	2	J
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	7	JB
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-10D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER

Lab Sample ID: 71792005

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

Lab File ID: V2D5631

Level: (low/med) LOW

Date Received: 11/04/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-00-11S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792001

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5627

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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.

ITMW-00-11S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792001

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5627

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

CAS NO. COMPOUND

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-00-11S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792001

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5627

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-00-13S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792002

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5559

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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		
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	17	
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.

MW-00-13S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792002

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5559

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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	
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	910	E
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-00-13S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792002

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5559

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-00-13SDL

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71792

Matrix: (soil/water) WATER

Lab Sample ID: 71792002DL

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

Lab File ID: V2D5628

Level: (low/med) LOW

Date Received: 11/04/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 10.0

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	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	100	U
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	100	U
79-20-9	Methyl Acetate	100	U
75-09-2	Methylene Chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-Butyl Ether	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	19	DJ
78-93-3	2-Butanone	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon Tetrachloride	100	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	100	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-00-13SDL

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71792

Matrix: (soil/water) WATER

Lab Sample ID: 71792002DL

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

Lab File ID: V2D5628

Level: (low/med) LOW

Date Received: 11/04/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 10.0

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	12	DJ
108-87-2	Methylcyclohexane	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	860	DB
591-78-6	2-Hexanone	100	U
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
1330-20-7	Xylene (total)	100	U
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-00-13SDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER

Lab Sample ID: 71792002DL

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

Lab File ID: V2D5628

Level: (low/med) LOW

Date Received: 11/04/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 10.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.42	570	JD
2.				
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4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-00-18S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792006

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5632

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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		
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.

ITMW-00-18S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792006

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5632

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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		
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	3	JB
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-00-18S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792006

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5632

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE-2

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792
 Matrix: (soil/water) WATER Lab Sample ID: 71792007
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5564
 Level: (low/med) LOW Date Received: 11/04/00
 % Moisture: not dec. _____ Date Analyzed: 11/08/00
 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	3	J
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.

DUPLICATE-2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792007

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5564

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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	7	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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPLICATE-2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER

Lab Sample ID: 71792007

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

Lab File ID: V2D5564

Level: (low/med) LOW

Date Received: 11/04/00

% Moisture: not dec. _____

Date Analyzed: 11/08/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792004

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5630

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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		
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	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.

FIELD BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792004

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5630

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELD BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER

Lab Sample ID: 71792004

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

Lab File ID: V2D5630

Level: (low/med) LOW

Date Received: 11/04/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSEATE BLK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792008

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5565

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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		
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	1	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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RINSEATE BLK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792008

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5565

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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		
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	5	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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RINSEATE BLK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER

Lab Sample ID: 71792008

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

Lab File ID: V2D5565

Level: (low/med) LOW

Date Received: 11/04/00

% Moisture: not dec. _____

Date Analyzed: 11/08/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792
 Matrix: (soil/water) WATER Lab Sample ID: 71792009
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5566
 Level: (low/med) LOW Date Received: 11/04/00
 % Moisture: not dec. _____ Date Analyzed: 11/08/00
 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	UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5566

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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	4	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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIPBLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: 71792009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5566

Level: (low/med) LOW Date Received: 11/04/00

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2MLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: V2L1108A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5543

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

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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		
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	36	
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	40	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2MLCS

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: V2L1108A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5543

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

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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		
79-01-6	Trichloroethene	41	
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	40	
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	40	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLK2M	95	88	95		0
02	VBLK2MLCS	94	87	94		0
03	MW-00-13S	93	94	95		0
04	DUPLICATE-2	92	95	104		0
05	RINSEATE BLK	94	98	103		0
06	TRIPBLANK	92	92	105		0
07	VBLK2P	93	107	102		0
08	ITMW-00-11S	95	108	114		0
09	MW-00-13SDL	93	107	114		0
10	ITMW-9D	90	108	114		0
11	FIELD BLANK	93	107	114		0
12	ITMW-10D	93	105	111		0
13	ITMW-00-18S	93	107	113		0
14	VHBLK2P	93	106	114		0
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QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)

SMC2 (BFB) = Bromofluorobenzene (86-115)

SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71792

Matrix Spike - Sample No.: VBLK2M

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50	0.0	36	72	61-145
Benzene	50	0.0	40	80	76-127
Trichloroethene	50	0.0	41	82	71-120
Toluene	50	0.0	40	80	76-125
Chlorobenzene	50	0.0	40	80	75-130

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Lab File ID: V2D5542 Lab Sample ID: V2B1108A

Date Analyzed: 11/08/00 Time Analyzed: 1035

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

Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	VBLK2MLCS	V2L1108A	V2D5543	1104
02	MW-00-13S	71792002	V2D5559	1827
03	DUPLICATE-2	71792007	V2D5564	2046
04	RINSEATE BLK	71792008	V2D5565	2114
05	TRIPBLANK	71792009	V2D5566	2141
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COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: V2B1108A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5542

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

% Moisture: not dec. _____ Date Analyzed: 11/08/00

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.

VBLK2M

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792
 Matrix: (soil/water) WATER Lab Sample ID: V2B1108A
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5542
 Level: (low/med) LOW Date Received: _____
 % Moisture: not dec. _____ Date Analyzed: 11/08/00
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2M

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER

Lab Sample ID: V2B1108A

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

Lab File ID: V2D5542

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 11/08/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Lab File ID: V2D5612 Lab Sample ID: V2B1110A

Date Analyzed: 11/10/00 Time Analyzed: 1141

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

Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	ITMW-00-11S	71792001	V2D5627	1842
02	ITMW-00-13SD	71792002DL	V2D5628	1909
03	ITMW-9D	71792003	V2D5629	1937
04	FIELD BLANK	71792004	V2D5630	2004
05	ITMW-10D	71792005	V2D5631	2032
06	ITMW-00-18S	71792006	V2D5632	2059
07	VHBLK2P	V2B1110B	V2D5633	2127
08				
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COMMENTS: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2P

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792
 Lab File ID: V2D5612 Lab Sample ID: V2B1110A
 Date Analyzed: 11/10/00 Time Analyzed: 1141
 GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
 Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	ITMW-00-11S	71792001	V2D5627	1842
02	MW-00-13SDL	71792002DL	V2D5628	1909
03	ITMW-9D	71792003	V2D5629	1937
04	FIELD BLANK	71792004	V2D5630	2004
05	ITMW-10D	71792005	V2D5631	2032
06	ITMW-00-18S	71792006	V2D5632	2059
07	VHBLK2P	V2B1110B	V2D5633	2127
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COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: V2B1110A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5612

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

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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.

VBLK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: V2B1110A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5612

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

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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	2	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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: V2B1110A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5612

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

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: V2B1110B

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5633

Level: (low/med) LOW Date Received: 10/25/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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.

VHBLK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER Lab Sample ID: V2B1110B

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5633

Level: (low/med) LOW Date Received: 10/25/00

% Moisture: not dec. _____ Date Analyzed: 11/10/00

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK2P

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792

Matrix: (soil/water) WATER

Lab Sample ID: V2B1110B

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

Lab File ID: V2D5633

Level: (low/med) LOW

Date Received: 10/25/00

% Moisture: not dec. _____

Date Analyzed: 11/10/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792
 EPA Sample No. (VSTD050##): VSTD0502M Date Analyzed: 11/08/00
 Lab File ID (Standard): V2D5541 Time Analyzed: 1002
 Instrument ID: V2 Heated Purge: (Y/N) N
 GC Column: DB-624 ID: 0.25 (mm)

	IS1 (BCM)	RT #	IS2 (DFB)	RT #	IS3 (CBZ)	RT #
	AREA #		AREA #		AREA #	
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	42509	5.63	197414	6.75	175879	10.34
UPPER LIMIT	85018	6.13	394828	7.25	351758	10.84
LOWER LIMIT	21255	5.13	98707	6.25	87940	9.84
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
=====	=====	=====	=====	=====	=====	=====
01 VBLK2M	51524	5.64	244020	6.76	214469	10.35
02 VBLK2MLCS	49525	5.64	227337	6.77	203635	10.36
03 MW-00-13S	46370	5.64	192538	6.76	178419	10.34
04 DUPLICATE-2	41866	5.64	188349	6.76	171114	10.34
05 RINSEATE BLK	41940	5.64	188469	6.76	169509	10.34
06 TRIPBLANK	41914	5.64	188219	6.76	171780	10.34
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19						
20						
21						
22						

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

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

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71792
 EPA Sample No. (VSTD050##): VSTD0502P Date Analyzed: 11/10/00
 Lab File ID (Standard): V2D5611 Time Analyzed: 1054
 Instrument ID: V2 Heated Purge: (Y/N) N
 GC Column: DB-624 ID: 0.25 (mm)

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	279977	5.67	1400681	6.78	1201622	10.37
UPPER LIMIT	559954	6.17	2801362	7.28	2403244	10.87
LOWER LIMIT	139989	5.17	700341	6.28	600811	9.87
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
=====	=====	=====	=====	=====	=====	=====
01 VBLK2P	295841	5.67	1539989	6.78	1352875	10.38
02 ITMW-00-11S	244281	5.68	1275735	6.80	1141059	10.38
03 MW-00-13SDL	244768	5.68	1265697	6.79	1149207	10.39
04 ITMW-9D	232562	5.65	1237240	6.76	1158329	10.36
05 FIELD BLANK	244768	5.68	1266075	6.79	1139653	10.38
06 ITMW-10D	248795	5.68	1244571	6.79	1124130	10.38
07 ITMW-00-18S	243589	5.67	1220373	6.78	1108740	10.38
08 VHBLK2P	239116	5.67	1211298	6.78	1109393	10.38
09						
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20						
21						
22						

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

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

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



November 20, 2000

IT Corporation
13 British American Blvd.
Latham, NY 12110
Attn: Mr. Tom Antonoff

RE: Client Project: Oser Ave., #781882
Mitkem Lab Project # 71808

Dear Mr. Antonoff:

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

If you have any questions regarding this report, please call me.

We appreciate your business

Sincerely,

A handwritten signature in cursive script, reading "Kin Chiu". The ink is dark and the signature is fluid and legible.

Kin Chiu
Technical Director

Mitkem Corporation

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

Project Name: OSEER AVE. 781882

SDG: 71808

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		VOA GC/MS Method #	BNA GC/MS Method #	Pest PCBs Method #	Metals	Other
ITMW-00-195	71808001	ASPV0A				
ITMW-165	71808002	ASPV0A				
ITMW-125	71808003	ASPV0A				
ITMW-00-175	71808004	ASPV0A				
DUPLICATE -3	71808005	ASPV0A				
ITMW-75	71808006	ASPV0A				
ITMW-95	71808007	ASPV0A				
ITMW-25	71808008	ASPV0A				
ITMW-40	71808009	ASPV0A				
ITMW-35	71808010	ASPV0A				
FIELD BLANK	71808011	ASPV0A				
TRIP BLANK	71808012	ASPV0A				
NW-13	71808013	ASPV0A				
FIELD BLANK	71808014	ASPV0A				

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: OSER AVE. 781882

SDG: 71808

Laboratory Sample ID	Matrix	Date Collected	Date Received at Lab	Date Extracted	Date Analyzed
71808001	AQ	11-3-00	11/8/00		11/13/00
71808002	AQ	11-6-00			
71808003	AQ	11-6-00			
71808004	AQ	11-6-00			
71808005	AQ	11-6-00			
71808006	AQ	11-6-00			
71808007	AQ	11-6-00			
71808008	AQ	11-6-00			
71808009	AQ	11-6-00			
71808010	AQ	11-6-00			
71808011	AQ	11-6-00			
71808012	AQ	11-6-00			
71808013	AQ	11-7-00			
71808014	AQ	11-7-00			

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: OSER AVE. 781882

SDG: 71808

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Med. Level	Dil./Conc. Factor
71808001	AQ	ASPVOA		L	1
71808002	AQ	ASPVOA			100
71808003	AQ	ASPVOA			100
71808004	AQ	ASPVOA			200
71808005	AQ	ASPVOA			40
71808006	AQ	ASPVOA			40
71808007	AQ	ASPVOA			1
71808008	AQ	ASPVOA			200
71808009	AQ	ASPVOA			1
71808010	AQ	ASPVOA			200
71808011	AQ	ASPVOA			1
71808012	AQ	ASPVOA			1
71808013	AQ	ASPVOA			400
71808014	AQ	ASPVOA		✓	1

NYASP 10/95



* Data Summary Package *

Mitkem Corporation

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

Project Name: OSEER AVE. 71882

SDG: 71808

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		VOA GC/MS Method #	BNA GC/MS Method #	Pest PCBs Method #	Metals	Other
ITMW-00-195	71808001	ASPV0A				
ITMW-165	71808002	ASPV0A				
ITMW-125	71808003	ASPV0A				
ITMW-00-175	71808004	ASPV0A				
DUPLICATE -3	71808005	ASPV0A				
ITMW-75	71808006	ASPV0A				
ITMW-95	71808007	ASPV0A				
ITMW-25	71808008	ASPV0A				
ITMW-40	71808009	ASPV0A				
ITMW-35	71808010	ASPV0A				
FIELD BLANK	71808011	ASPV0A				
TRIP BLANK	71808012	ASPV0A				
MW-13	71808013	ASPV0A				
FIELD BLANK	71808014	ASPV0A				

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatilé (VOA) Analyses

Project Name: OSER AVE. 781882

SDG: 71808

Laboratory Sample ID	Matrix	Date Collected	Date Received at Lab	Date Extracted	Date Analyzed
71808001	AQ	11-3-00	11/8/00		11/13/00
71808002	AQ	11-6-00			
71808003	AQ	11-6-00			
71808004	AQ	11-6-00			
71808005	AQ	11-6-00			
71808006	AQ	11-6-00			
71808007	AQ	11-6-00			
71808008	AQ	11-6-00			
71808009	AQ	11-6-00			
71808010	AQ	11-6-00			
71808011	AQ	11-6-00			
71808012	AQ	11-6-00			
71808013	AQ	11-7-00			
71808014	AQ	11-7-00			

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name: OSER AVE. 781882

SDG: 71808

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Med. Level	Dil./Conc. Factor
71808001	AQ	ASPVOA		L	1
71808002	AQ	ASPVOA			100
71808003	AQ	ASPVOA			100
71808004	AQ	ASPVOA			200
71808005	AQ	ASPVOA			40
71808006	AQ	ASPVOA			40
71808007	AQ	ASPVOA			1
71808008	AQ	ASPVOA			200
71808009	AQ	ASPVOA			1
71808010	AQ	ASPVOA			200
71808011	AQ	ASPVOA			1
71808012	AQ	ASPVOA			1
71808013	AQ	ASPVOA			400
71808014	AQ	ASPVOA		✓	1

NYASP 10/95

Analytical Data Package for IT Corporation

Client Project: Oser Ave., #781882

SDG# 71808

Mitkem Project ID: 71808

November 20, 2000

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to IT Corporation's project. Under this deliverable, analysis results are presented for fourteen aqueous samples that were received on November 8, 2000. Analyses were performed per specifications in the project's contract and the chain of custody forms, following discussion with the client.

The following samples are submitted in this data package:

<u>Client ID</u>	<u>Lab ID</u>	<u>Analysis</u>	<u>Aqueous pH</u>
ITMW-00-19S	71808001	V	7
ITMW-16S	71808002	V	7
ITMW-12S	71808003	V	7
ITMW-00-17S	71808004	V	7
DUPLICATE-3	71808005	V	7
ITMW-7S	71808006	V	7
ITMW-9S	71808007	V	7
ITMW-2S	71808008	V	7
ITMW-4D	71808009	V	7
ITMW-3S	71808010	V	7
FB1*	71808011	V	7
TRIPBLANK	71808012	V	7
MW-13	71808013	V	7
FB2**	71808014	V	7

V = Volatile Organics – NYSDEC ASP CLP method

* FIELD BLANK that was collected on 11/6/00

** FIELD BLANK that was collected on 11/7/00

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.

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:

Per project requirement, the target analyte list was expanded to include the OLM04.2 analytes. The NYSDEC ASP QC criteria for the BFB tune, initial calibration and continuing calibration were followed.

Traps used for instrument V2: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

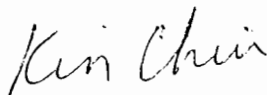
GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Surrogate recovery: recoveries were within the QC limits

Lab control sample: spike recoveries were within the QC limits

Sample analysis: due to high concentration of target analytes, the following samples were analyzed at dilution: ITMW-7S and DUPLICATE-3 at 40x, ITMW-12S and ITMW-16S at 100x, ITMW-00-17S, ITMW-2S and ITMW-3S at 200x and MW-13 at 400x. No other unusual observation was noted for the analyses.

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.



Kin Chiu
Technical Director
11/20/00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808005

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5658

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 40.0

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

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

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	400	U
74-87-3	Chloromethane	400	U
75-01-4	Vinyl Chloride	400	U
74-83-9	Bromomethane	400	U
75-00-3	Chloroethane	400	U
75-69-4	Trichlorofluoromethane	400	U
75-35-4	1,1-Dichloroethene	400	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	400	U
67-64-1	Acetone	400	U
75-15-0	Carbon Disulfide	400	U
79-20-9	Methyl Acetate	400	U
75-09-2	Methylene Chloride	400	U
156-60-5	trans-1,2-Dichloroethene	400	U
1634-04-4	Methyl tert-Butyl Ether	400	U
75-34-3	1,1-Dichloroethane	400	U
156-59-2	cis-1,2-Dichloroethene	43	J
78-93-3	2-Butanone	400	U
67-66-3	Chloroform	400	U
71-55-6	1,1,1-Trichloroethane	400	U
110-82-7	Cyclohexane	400	U
56-23-5	Carbon Tetrachloride	400	U
71-43-2	Benzene	400	U
107-06-2	1,2-Dichloroethane	400	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808005

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5658

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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

79-01-6	Trichloroethene	42	J
108-87-2	Methylcyclohexane	400	U
78-87-5	1,2-Dichloropropane	400	U
75-27-4	Bromodichloromethane	400	U
10061-01-5	cis-1,3-Dichloropropene	400	U
108-10-1	4-Methyl-2-Pentanone	400	U
108-88-3	Toluene	400	U
10061-02-6	trans-1,3-Dichloropropene	400	U
79-00-5	1,1,2-Trichloroethane	400	U
127-18-4	Tetrachloroethene	4700	
591-78-6	2-Hexanone	400	U
124-48-1	Dibromochloromethane	400	U
106-93-4	1,2-Dibromoethane	400	U
108-90-7	Chlorobenzene	400	U
100-41-4	Ethylbenzene	400	U
1330-20-7	Xylene (total)	400	U
100-42-5	Styrene	400	U
75-25-2	Bromoform	400	U
98-82-8	Isopropylbenzene	400	U
79-34-5	1,1,2,2-Tetrachloroethane	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
96-12-8	1,2-Dibromo-3-chloropropane	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUPLICATE-3

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808005

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

Lab File ID: V2D5658

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

Dilution Factor: 40.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808011

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5663

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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		
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	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.

FB1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808011

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5663

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB1

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808011

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

Lab File ID: V2D5663

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808014

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5667

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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		
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	1	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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FB2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808014

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5667

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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

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

CAS NO. COMPOUND

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FB2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808014

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5667

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-00-17S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808004

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5657

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

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

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

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	2000	U
74-87-3	Chloromethane	2000	U
75-01-4	Vinyl Chloride	2000	U
74-83-9	Bromomethane	2000	U
75-00-3	Chloroethane	2000	U
75-69-4	Trichlorofluoromethane	2000	U
75-35-4	1,1-Dichloroethene	2000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2000	U
67-64-1	Acetone	2000	U
75-15-0	Carbon Disulfide	2000	U
79-20-9	Methyl Acetate	2000	U
75-09-2	Methylene Chloride	2000	U
156-60-5	trans-1,2-Dichloroethene	2000	U
1634-04-4	Methyl tert-Butyl Ether	2000	U
75-34-3	1,1-Dichloroethane	2000	U
156-59-2	cis-1,2-Dichloroethene	2000	U
78-93-3	2-Butanone	2000	U
67-66-3	Chloroform	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
110-82-7	Cyclohexane	2000	U
56-23-5	Carbon Tetrachloride	2000	U
71-43-2	Benzene	2000	U
107-06-2	1,2-Dichloroethane	2000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-00-17S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808004

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

Lab File ID: V2D5657

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

Dilution Factor: 200.0

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	2000	U
108-87-2	Methylcyclohexane	2000	U
78-87-5	1,2-Dichloropropane	2000	U
75-27-4	Bromodichloromethane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
108-88-3	Toluene	2000	U
10061-02-6	trans-1,3-Dichloropropene	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
127-18-4	Tetrachloroethene	23000	
591-78-6	2-Hexanone	2000	U
124-48-1	Dibromochloromethane	2000	U
106-93-4	1,2-Dibromoethane	2000	U
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	2000	U
1330-20-7	Xylene (total)	2000	U
100-42-5	Styrene	2000	U
75-25-2	Bromoform	2000	U
98-82-8	Isopropylbenzene	2000	U
79-34-5	1,1,2,2-Tetrachloroethane	2000	U
541-73-1	1,3-Dichlorobenzene	2000	U
106-46-7	1,4-Dichlorobenzene	2000	U
95-50-1	1,2-Dichlorobenzene	2000	U
96-12-8	1,2-Dibromo-3-chloropropane	2000	U
120-82-1	1,2,4-Trichlorobenzene	2000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-00-17S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808004

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5657

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-00-19S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808001

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

Lab File ID: V2D5655

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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.

ITMW-00-19S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808001

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5655

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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		
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	7	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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-00-19S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808001

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5655

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-12S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808003

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5656

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

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	1000	U
74-87-3	Chloromethane	1000	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	1000	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	1000	U
75-35-4	1,1-Dichloroethene	1000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	U
67-64-1	Acetone	1000	U
75-15-0	Carbon Disulfide	1000	U
79-20-9	Methyl Acetate	1000	U
75-09-2	Methylene Chloride	1000	U
156-60-5	trans-1,2-Dichloroethene	1000	U
1634-04-4	Methyl tert-Butyl Ether	1000	U
75-34-3	1,1-Dichloroethane	1000	U
156-59-2	cis-1,2-Dichloroethene	1000	U
78-93-3	2-Butanone	1000	U
67-66-3	Chloroform	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
110-82-7	Cyclohexane	1000	U
56-23-5	Carbon Tetrachloride	1000	U
71-43-2	Benzene	1000	U
107-06-2	1,2-Dichloroethane	1000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-12S

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808
 Matrix: (soil/water) WATER Lab Sample ID: 71808003
 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5656
 Level: (low/med) LOW Date Received: 11/08/00
 % Moisture: not dec. _____ Date Analyzed: 11/13/00
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

CAS NO. COMPOUND

79-01-6	Trichloroethene	1000	U
108-87-2	Methylcyclohexane	1000	U
78-87-5	1,2-Dichloropropane	1000	U
75-27-4	Bromodichloromethane	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
108-10-1	4-Methyl-2-Pentanone	1000	U
108-88-3	Toluene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
127-18-4	Tetrachloroethene	12000	
591-78-6	2-Hexanone	1000	U
124-48-1	Dibromochloromethane	1000	U
106-93-4	1,2-Dibromoethane	1000	U
108-90-7	Chlorobenzene	1000	U
100-41-4	Ethylbenzene	1000	U
1330-20-7	Xylene (total)	1000	U
100-42-5	Styrene	1000	U
75-25-2	Bromoform	1000	U
98-82-8	Isopropylbenzene	1000	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
96-12-8	1,2-Dibromo-3-chloropropane	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-12S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808003

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

Lab File ID: V2D5656

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

Dilution Factor: 100.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	UNKNOWN	4.15	1000	J
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-16S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808002

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5654

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 100.0

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	1000	U
74-87-3	Chloromethane	1000	U
75-01-4	Vinyl Chloride	1000	U
74-83-9	Bromomethane	1000	U
75-00-3	Chloroethane	1000	U
75-69-4	Trichlorofluoromethane	1000	U
75-35-4	1,1-Dichloroethene	1000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	U
67-64-1	Acetone	1000	U
75-15-0	Carbon Disulfide	1000	U
79-20-9	Methyl Acetate	1000	U
75-09-2	Methylene Chloride	1000	U
156-60-5	trans-1,2-Dichloroethene	1000	U
1634-04-4	Methyl tert-Butyl Ether	1000	U
75-34-3	1,1-Dichloroethane	1000	U
156-59-2	cis-1,2-Dichloroethene	1000	U
78-93-3	2-Butanone	1000	U
67-66-3	Chloroform	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
110-82-7	Cyclohexane	1000	U
56-23-5	Carbon Tetrachloride	1000	U
71-43-2	Benzene	1000	U
107-06-2	1,2-Dichloroethane	1000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-16S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808002

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

Lab File ID: V2D5654

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

Dilution Factor: 100.0

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	110	J
108-87-2	Methylcyclohexane	1000	U
78-87-5	1,2-Dichloropropane	1000	U
75-27-4	Bromodichloromethane	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
108-10-1	4-Methyl-2-Pentanone	1000	U
108-88-3	Toluene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
127-18-4	Tetrachloroethene	15000	
591-78-6	2-Hexanone	1000	U
124-48-1	Dibromochloromethane	1000	U
106-93-4	1,2-Dibromoethane	1000	U
108-90-7	Chlorobenzene	1000	U
100-41-4	Ethylbenzene	1000	U
1330-20-7	Xylene (total)	1000	U
100-42-5	Styrene	1000	U
75-25-2	Bromoform	1000	U
98-82-8	Isopropylbenzene	1000	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
96-12-8	1,2-Dibromo-3-chloropropane	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-16S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808002

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

Lab File ID: V2D5654

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

Dilution Factor: 100.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-2S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808008

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5662

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

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

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

CAS NO.	COMPOUND		
75-71-8	Dichlorodifluoromethane	2000	U
74-87-3	Chloromethane	2000	U
75-01-4	Vinyl Chloride	2000	U
74-83-9	Bromomethane	2000	U
75-00-3	Chloroethane	2000	U
75-69-4	Trichlorofluoromethane	2000	U
75-35-4	1,1-Dichloroethene	2000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2000	U
67-64-1	Acetone	2000	U
75-15-0	Carbon Disulfide	2000	U
79-20-9	Methyl Acetate	2000	U
75-09-2	Methylene Chloride	2000	U
156-60-5	trans-1,2-Dichloroethene	2000	U
1634-04-4	Methyl tert-Butyl Ether	2000	U
75-34-3	1,1-Dichloroethane	2000	U
156-59-2	cis-1,2-Dichloroethene	2000	U
78-93-3	2-Butanone	2000	U
67-66-3	Chloroform	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
110-82-7	Cyclohexane	2000	U
56-23-5	Carbon Tetrachloride	2000	U
71-43-2	Benzene	2000	U
107-06-2	1,2-Dichloroethane	2000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-2S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808008

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

Lab File ID: V2D5662

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

Dilution Factor: 200.0

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	2000	U
108-87-2	Methylcyclohexane	2000	U
78-87-5	1,2-Dichloropropane	2000	U
75-27-4	Bromodichloromethane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
108-88-3	Toluene	2000	U
10061-02-6	trans-1,3-Dichloropropene	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
127-18-4	Tetrachloroethene	26000	
591-78-6	2-Hexanone	2000	U
124-48-1	Dibromochloromethane	2000	U
106-93-4	1,2-Dibromoethane	2000	U
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	2000	U
1330-20-7	Xylene (total)	2000	U
100-42-5	Styrene	2000	U
75-25-2	Bromoform	2000	U
98-82-8	Isopropylbenzene	2000	U
79-34-5	1,1,2,2-Tetrachloroethane	2000	U
541-73-1	1,3-Dichlorobenzene	2000	U
106-46-7	1,4-Dichlorobenzene	2000	U
95-50-1	1,2-Dichlorobenzene	2000	U
96-12-8	1,2-Dibromo-3-chloropropane	2000	U
120-82-1	1,2,4-Trichlorobenzene	2000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-2S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808008

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

Lab File ID: V2D5662

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

Dilution Factor: 200.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-3S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808010

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5664

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

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	2000	U
74-87-3	Chloromethane	2000	U
75-01-4	Vinyl Chloride	2000	U
74-83-9	Bromomethane	2000	U
75-00-3	Chloroethane	2000	U
75-69-4	Trichlorofluoromethane	2000	U
75-35-4	1,1-Dichloroethene	2000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2000	U
67-64-1	Acetone	2000	U
75-15-0	Carbon Disulfide	2000	U
79-20-9	Methyl Acetate	2000	U
75-09-2	Methylene Chloride	2000	U
156-60-5	trans-1,2-Dichloroethene	2000	U
1634-04-4	Methyl tert-Butyl Ether	2000	U
75-34-3	1,1-Dichloroethane	2000	U
156-59-2	cis-1,2-Dichloroethene	2000	U
78-93-3	2-Butanone	2000	U
67-66-3	Chloroform	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
110-82-7	Cyclohexane	2000	U
56-23-5	Carbon Tetrachloride	2000	U
71-43-2	Benzene	2000	U
107-06-2	1,2-Dichloroethane	2000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-3S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808010

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5664

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

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	220	J
108-87-2	Methylcyclohexane	2000	U
78-87-5	1,2-Dichloropropane	2000	U
75-27-4	Bromodichloromethane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
108-88-3	Toluene	2000	U
10061-02-6	trans-1,3-Dichloropropene	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
127-18-4	Tetrachloroethene	29000	
591-78-6	2-Hexanone	2000	U
124-48-1	Dibromochloromethane	2000	U
106-93-4	1,2-Dibromoethane	2000	U
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	2000	U
1330-20-7	Xylene (total)	2000	U
100-42-5	Styrene	2000	U
75-25-2	Bromoform	2000	U
98-82-8	Isopropylbenzene	2000	U
79-34-5	1,1,2,2-Tetrachloroethane	2000	U
541-73-1	1,3-Dichlorobenzene	2000	U
106-46-7	1,4-Dichlorobenzene	2000	U
95-50-1	1,2-Dichlorobenzene	2000	U
96-12-8	1,2-Dibromo-3-chloropropane	2000	U
120-82-1	1,2,4-Trichlorobenzene	2000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-3S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808010

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

Lab File ID: V2D5664

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

Dilution Factor: 200.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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March 24, 2000

IT Corporation
13 British America Blvd.
Latham, NY 12110
Attn: Mr. Tom Antonoff

RE: Client Project: NYSDEC 100 Oser Ave., #781882-02020000
Lab Project #: 701655

Dear Mr. Antonoff:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

A handwritten signature in cursive script, which appears to read "Edward A. Lawler", is written over the typed name.

Edward A. Lawler
Laboratory Operations Manager

Mitkem Corporation

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

Project Name: OSER AVE/781882-0202 0000 NY DEC SDG: 70655

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		VOA GC/MS Method #	BNA GC/MS Method #	Pest PCBs Method #	Metals	Other TOC
ITUOSB-1-17-20	70655001	ASP			ASP	
ITUOSB-2-11-15	-002	↓			↓	
ITDWSB-1-17-21	-003	↓				TOC
ITDWSB-1-33-37	-004	↓				↓
ITDWSB-2-15-52	-005	↓				↓
ITDWSB-2-28-32	-006	↓				↓
ITDWSB-3-16-20	-007	↓				↓
ITDWSB-3-40-42	-008	↓				↓
ITDWSB-4-16-20	-009	↓				↓
ITDWSB-4-32-36	-010	↓			↓	↓
BackGround	-011	↓				↓
ITDWSB-5-16-20	-012	↓			ASP	↓
ITDWSB-5-28-32	-013	↓			↓	↓
ITDWSB-6-10-16	-014	↓			↓	↓
ITDWSB-6-30-32	-015	↓			↓	↓

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatilé (VOA) Analyses

Project Name: OSER AVE/781882-0202 0000
NYSDEC

SDG: 70655

Laboratory Sample ID	Matrix	Date Collected	Date Received at Lab	Date Extracted	Date Analyzed
70655001	SL	04-24/00	05-02-00	—	5/11/00
-002		04/29/00	05-02-00		↓
-003		04-26-00			↓
-004					5/12/00
-005					5/11/00
-006		↓			5/12/00
-007	↓	04-27-00	↓		↓
-008		04-25-00			↓
-009		04-28-00			5/11/00
-010		04-28-00			5/12/00
-011					5/11/00
-012					5/12/00
-013					↓
-014					↓
-015	↓	↓	↓	↓	↓

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name: OSER AVE/781882-02020000 SDG: 70655
NYSDEC

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Med. Level	Dil./Conc. Factor
70655001	SL	ASP	—	L	1
-002	↓	↓	↓	↓	↓
-003	↓	↓	↓	↓	↓
-004	↓	↓	↓	M	2.5
-005	↓	↓	↓	L	1
-006	↓	↓	↓	M	6.5/10
-007	↓	↓	↓	M	1
-008	↓	↓	↓	M	100
-009	↓	↓	↓	L	1
-010	↓	↓	↓	M	1000
-011	↓	↓	↓	L	1
-012	↓	↓	↓	M	400
-013	↓	↓	↓	M	100X
-014	↓	↓	↓	↓	500
-015	↓	↓	↓	↓	2

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Inorganic Analyses

Project Name:

SDG: 70655

Boer Ave / 781882-6202000 NYSDOC

Laboratory Sample ID	Matrix	Metals Requested	Date Received at Lab	Date Analyzed
70655/001	SL	ASP	5/2/00	5/5/00
-002				
-003				
-004				
-005				
-006				
-007				
-008				
-009				
-010				
-012				
-013				
-014				
-015	↓	↓	↓	↓

NYASP 10/95

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to IT Corporation's Oser Ave. Project. Under this deliverable, analysis results are presented for fifteen soil samples that were received on May 2, 2000, and logged in under Mitkem Project Number 70655. Analyses were performed per specifications in the chain of custody form.

The following samples are submitted in this data package:

<u>Client ID</u>	<u>Truncate ID</u>	<u>Lab ID</u>	<u>Analysis</u>
ITUOSB-1-17-20	UOSB11720	70655001	V, M
ITUOSB-2-11-15	UOSB21115	70655002	V, M
ITDWSB-1-17-21	UOSB11721	70655003	V, M, W
ITDWSB-1-33-37	DWSB13337	70655004	V, M, W
ITDWSB-2-15.5-20	DWSB215520	70655005	V, M, W
ITDWSB-2-28-32	DWSB22832	70655006	V, M, W
ITDWSB-3-16-20	DWSB31620	70655007	V, M, W
ITDWSB-3-40-42	DWSB34042	70655008	V, M, W
ITDWSB-4-16-20	DWSB41620	70655009	V, M, W
ITDWSB-4-32-36	DWSB43236	70655010	V, M, W
BACKGROUND	BACKGROUN	70655011	W
ITDWSB-5-16-20	DWSB51620	70655012	V, M, W
ITDWSB-5-28-32	DWSB52832	70655013	V, M, W
ITDWSB-6-10-16	DWSB61016	70655014	V, M, W
ITDWSB-6-30-32	DWSB63032	70655015	V, M, W

V = Volatiles-NYSDEC ASP CLP Method

M = Metals- NYSDEC ASP CLP Method

W = Wetchem- Total Organic Carbon Method 415.1
Grain Size

The analyses were performed and reported per NYSDEC ASP (October 1995 update) requirement for Category B deliverable.

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

1. Volatile Analysis:

Trap used for instrument V1/V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve

aca 1

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

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits

Sample analysis: due to high concentration of PCE, nine samples were analyzed using the medium level approach. No other unusual observation was noted for the analysis.

2. Metals Analysis:

Mercury was analyzed using a Perkin Elmer Model 4100ZL GFAA coupled to a Perkin Elmer Model 1000 FIAS. The other elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 3000DV ICAP.

Please note that the mercury analyzer software does not produce the correct date, the month and day are correct, but the year is incorrect. The correct date has been hand-written next to "Remark 1:" at the beginning of each mercury run.

Lab control sample: spike recoveries were within the QC limit

Sample analysis: the element copper failed the 10% difference criteria in the ICP serial dilution. All associated copper values are flagged with an "E" to indicate potential matrix interference. No other unusual observation was noted for the analyses.

3. Wet Chemistry Analysis:

Selected samples were analyzed for total organic carbon and grain size distribution. These analyses were subcontracted to Rhode Island Analytical Laboratories, Inc. A copy of the RIAL laboratory report is included following the blue report section divider.

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

06002

Analytical Data Package for IT Corporation

Client Project No.: NYSDEC 100 Oser Ave. #781882

Mitkem Project ID: 70655

May 24, 2000

package has been authorized by the laboratory manager or his designee, as verified by the following signature.

A handwritten signature in cursive script, appearing to read "Edward A. Lawler".

Edward A. Lawler
Laboratory Operations Manager
5/24/00

0XLL3

**MITKEM
CORPORATION**

* Data Summary Package *

Mitkem Corporation

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

Project Name: OSER AVE/781882-0202 0000 NYDEC SDG: 70655

Customer Sample Code	Laboratory Sample Code	Analytical Requirements				
		VOA GC/MS Method #	BNA GC/MS Method #	Pest PCBs Method #	Metals	Other TOC
ITUOSB-1-17-20	70655001	ASP			ASP	
ITUOSB-2-11-15	-002					
ITDWSB-1-17-21	-003					TOC
ITDWSB-1-33-37	-004					
ITDWSB-2-15-52	-005					
ITDWSB-2-28-32	-006					
ITDWSB-3-16-20	-007	✓				
ITDWSB-3-40-42	-008					
ITDWSB-4-16-20	-009					
ITDWSB-4-32-36	-010				✓	
BackGround	-011					
ITDWSB-5-16-20	-012				ASP	
ITDWSB-5-28-32	-013					
ITDWSB-6-10-16	-014					
ITDWSB-6-30-32	-015	✓			✓	✓

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name: OSER AVE/781882-0202 0000
NYSDEC

SDG: 70655

Laboratory Sample ID	Matrix	Date Collected	Date Received at Lab	Date Extracted	Date Analyzed
70655001	SL	04-24/00	05-02-00	—	5/11/00
-002		04/29/00	05-02-00		↓
-003		04-26-00			↓
-004					5/12/00
-005					5/11/00
-006		↓			5/12/00
-007	↓	04-27-00	↓		↓
-008		04-25-00			↓
-009		04-28-00			5/11/00
-010		04-28-00			5/12/00
-011					5/11/00
-012					5/12/00
-013					↓
-014					↓
-015	↓	↓	↓	↓	↓

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Volatile (VOA) Analyses

Project Name: OSER AVE/781882-02020000 SDG: 70655
NYSDEC

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Med. Level	Dil./Conc. Factor
70655001	SL	ASP	—	L	1
-002		↓		↓	↓
-003				↓	↓
-004				M	2.5
-005				L	1
-006				M	6.5 10
-007	V	↓		M	1
-008				M	100
-009				L	1
-010				M	1000
-011				L	1
-012				M	400
-013				M	100X _a
-014				↓	500
-015	V .	↓	↓	↓	2

NYASP 10/95

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary Inorganic Analyses

Project Name:

SDG: 70655

Boer Ave / 781882-6202 XXXL NYSDOC

Laboratory Sample ID	Matrix	Metals Requested	Date Received at Lab	Date Analyzed
70655001	SL-	ASP	5/2/00	5/5/00
-002				
-003				
-004				
-005				
-006				
-007				
-008				
-009				
-010				
-012				
-013				
-014				
-015	✓	✓	✓	✓

NYASP 10/95

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to IT Corporation's Oser Ave. Project. Under this deliverable, analysis results are presented for fifteen soil samples that were received on May 2, 2000, and logged in under Mitkem Project Number 70655. Analyses were performed per specifications in the chain of custody form.

The following samples are submitted in this data package:

<u>Client ID</u>	<u>Truncate ID</u>	<u>Lab ID</u>	<u>Analysis</u>
ITUOSB-1-17-20	UOSB11720	70655001	V, M
ITUOSB-2-11-15	UOSB21115	70655002	V, M
ITDWSB-1-17-21	UOSB11721	70655003	V, M, W
ITDWSB-1-33-37	DWSB13337	70655004	V, M, W
ITDWSB-2-15.5-20	DWSB215520	70655005	V, M, W
ITDWSB-2-28-32	DWSB22832	70655006	V, M, W
ITDWSB-3-16-20	DWSB31620	70655007	V, M, W
ITDWSB-3-40-42	DWSB34042	70655008	V, M, W
ITDWSB-4-16-20	DWSB41620	70655009	V, M, W
ITDWSB-4-32-36	DWSB43236	70655010	V, M, W
BACKGROUND	BACKGROUN	70655011	W
ITDWSB-5-16-20	DWSB51620	70655012	V, M, W
ITDWSB-5-28-32	DWSB52832	70655013	V, M, W
ITDWSB-6-10-16	DWSB61016	70655014	V, M, W
ITDWSB-6-30-32	DWSB63032	70655015	V, M, W

V = Volatiles-NYSDEC ASP CLP Method

M = Metals- NYSDEC ASP CLP Method

W = Wetchem- Total Organic Carbon Method 415.1
Grain Size

The analyses were performed and reported per NYSDEC ASP (October 1995 update) requirement for Category B deliverable.

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

1. Volatile Analysis:

Trap used for instrument V1/V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve

Handwritten signature/initials

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

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits

Sample analysis: due to high concentration of PCE, nine samples were analyzed using the medium level approach. No other unusual observation was noted for the analysis.

2. Metals Analysis:

Mercury was analyzed using a Perkin Elmer Model 4100ZL GFAA coupled to a Perkin Elmer Model 1000 FIAS. The other elements were analyzed using either a Perkin Elmer Model 3100XL Optima or a Perkin Elmer Model 3000DV ICAP.

Please note that the mercury analyzer software does not produce the correct date, the month and day are correct, but the year is incorrect. The correct date has been hand-written next to "Remark 1:" at the beginning of each mercury run.

Lab control sample: spike recoveries were within the QC limit

Sample analysis: the element copper failed the 10% difference criteria in the ICP serial dilution. All associated copper values are flagged with an "E" to indicate potential matrix interference. No other unusual observation was noted for the analyses.

3. Wet Chemistry Analysis:

Selected samples were analyzed for total organic carbon and grain size distribution. These analyses were subcontracted to Rhode Island Analytical Laboratories, Inc. A copy of the RIAL laboratory report is included following the blue report section divider.

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

07/02

package has been authorized by the laboratory manager or his designee, as verified by the following signature.

A handwritten signature in cursive script, appearing to read "Edward A. Lawler".

Edward A. Lawler
Laboratory Operations Manager
5/24/00

Handwritten initials or a signature, possibly "M003", located in the bottom right corner of the page.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB11721

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655003

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V6A3940

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. 14

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	12	U
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl Chloride	12	U
75-00-3-----	Chloroethane	12	U
75-09-2-----	Methylene Chloride	12	U
67-64-1-----	Acetone	13	B
75-15-0-----	Carbon Disulfide	12	U
75-35-4-----	1,1-Dichloroethene	12	U
75-34-3-----	1,1-Dichloroethane	12	U
540-59-0-----	1,2-Dichloroethene (Total)	12	U
67-66-3-----	Chloroform	12	U
107-06-2-----	1,2-Dichloroethane	12	U
78-93-3-----	2-Butanone	12	U
71-55-6-----	1,1,1-Trichloroethane	12	U
56-23-5-----	Carbon Tetrachloride	12	U
75-27-4-----	Bromodichloromethane	12	U
78-87-5-----	1,2-Dichloropropane	12	U
10061-01-5-----	cis-1,3-Dichloropropene	12	U
79-01-6-----	Trichloroethene	12	U
124-48-1-----	Dibromochloromethane	12	U
79-00-5-----	1,1,2-Trichloroethane	12	U
71-43-2-----	Benzene	12	U
10061-02-6-----	trans-1,3-Dichloropropene	12	U
75-25-2-----	Bromoform	12	U
108-10-1-----	4-Methyl-2-Pentanone	12	U
591-78-6-----	2-Hexanone	12	U
127-18-4-----	Tetrachloroethene	150	
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U
108-88-3-----	Toluene	12	U
108-90-7-----	Chlorobenzene	12	U
100-41-4-----	Ethylbenzene	12	U
100-42-5-----	Styrene	12	U
1330-20-7-----	Xylene (Total)	12	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB11721

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655003

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V6A3940

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. 14

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	15.21	19	J
2.	UNKNOWN	15.46	6	J
3.	UNKNOWN	15.53	7	J
4.	UNKNOWN	15.92	14	J
5. 702-79-4	ADAMANTANE, 1,3-DIMETHYL-	16.07	12	NJ
6. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	16.13	13	NJ
7.	UNKNOWN	16.23	7	J
8.	UNKNOWN	16.76	8	J
9. 108-70-3	BENZENE, 1,3,5-TRICHLORO-	16.99	220	NJ
10.	UNKNOWN	17.27	6	J
11. 120-82-1	BENZENE, 1,2,4-TRICHLORO-	17.52	25	NJ
12.	UNKNOWN	18.25	6	J
13.	UNKNOWN	18.75	9	J
14.	UNKNOWN	18.90	8	J
15.	UNKNOWN	19.12	10	J
16. 0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	19.59	14	NJ
17.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB13337

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655004

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V1D0974B

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 1

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 40.0 (uL)

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

74-87-3-----	Chloromethane	2300	U
74-83-9-----	Bromomethane	2300	U
75-01-4-----	Vinyl Chloride	2300	U
75-00-3-----	Chloroethane	2300	U
75-09-2-----	Methylene Chloride	2300	U
67-64-1-----	Acetone	2300	U
75-15-0-----	Carbon Disulfide	2300	U
75-35-4-----	1,1-Dichloroethene	2300	U
75-34-3-----	1,1-Dichloroethane	2300	U
540-59-0-----	1,2-Dichloroethene (Total)	2300	U
67-66-3-----	Chloroform	2300	U
107-06-2-----	1,2-Dichloroethane	2300	U
78-93-3-----	2-Butanone	2300	U
71-55-6-----	1,1,1-Trichloroethane	2300	U
56-23-5-----	Carbon Tetrachloride	2300	U
75-27-4-----	Bromodichloromethane	2300	U
78-87-5-----	1,2-Dichloropropane	2300	U
10061-01-5-----	cis-1,3-Dichloropropene	2300	U
79-01-6-----	Trichloroethene	2300	U
124-48-1-----	Dibromochloromethane	2300	U
79-00-5-----	1,1,2-Trichloroethane	2300	U
71-43-2-----	Benzene	2300	U
10061-02-6-----	trans-1,3-Dichloropropene	2300	U
75-25-2-----	Bromoform	2300	U
108-10-1-----	4-Methyl-2-Pentanone	2300	U
591-78-6-----	2-Hexanone	2300	U
127-18-4-----	Tetrachloroethene	41000	B
79-34-5-----	1,1,2,2-Tetrachloroethane	2300	U
108-88-3-----	Toluene	2300	U
108-90-7-----	Chlorobenzene	2300	U
100-41-4-----	Ethylbenzene	2300	U
100-42-5-----	Styrene	2300	U
1330-20-7-----	Xylene (Total)	2300	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB13337

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655004

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V1D0974B

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 1

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 40 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB21520

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655005

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V6A3941

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. 7

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	10	U
67-64-1	-----Acetone	11	B
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	2	J
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (Total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	69	
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB21520

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655005

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V6A3941

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. 7

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.39	6	J
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB22832

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655006

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V1D0975

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 6

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 10.0 (uL)

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

74-87-3-----	Chloromethane	9800	U
74-83-9-----	Bromomethane	9800	U
75-01-4-----	Vinyl Chloride	9800	U
75-00-3-----	Chloroethane	9800	U
75-09-2-----	Methylene Chloride	9800	U
67-64-1-----	Acetone	9800	U
75-15-0-----	Carbon Disulfide	9800	U
75-35-4-----	1,1-Dichloroethene	9800	U
75-34-3-----	1,1-Dichloroethane	9800	U
540-59-0-----	1,2-Dichloroethene (Total)	9800	U
67-66-3-----	Chloroform	9800	U
107-06-2-----	1,2-Dichloroethane	9800	U
78-93-3-----	2-Butanone	9800	U
71-55-6-----	1,1,1-Trichloroethane	9800	U
56-23-5-----	Carbon Tetrachloride	9800	U
75-27-4-----	Bromodichloromethane	9800	U
78-87-5-----	1,2-Dichloropropane	9800	U
10061-01-5-----	cis-1,3-Dichloropropene	9800	U
79-01-6-----	Trichloroethene	9800	U
124-48-1-----	Dibromochloromethane	9800	U
79-00-5-----	1,1,2-Trichloroethane	9800	U
71-43-2-----	Benzene	9800	U
10061-02-6-----	trans-1,3-Dichloropropene	9800	U
75-25-2-----	Bromoform	9800	U
108-10-1-----	4-Methyl-2-Pentanone	9800	U
591-78-6-----	2-Hexanone	9800	U
127-18-4-----	Tetrachloroethene	160000	B
79-34-5-----	1,1,2,2-Tetrachloroethane	9800	U
108-88-3-----	Toluene	9800	U
108-90-7-----	Chlorobenzene	9800	U
100-41-4-----	Ethylbenzene	9800	U
100-42-5-----	Styrene	9800	U
1330-20-7-----	Xylene (Total)	9800	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB22832

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655006

Sample wt/vol: 5.4 (g/mL) G

Lab File ID: V1D0975

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 6

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 10 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB31620

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655007

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V1D0995

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 8

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100.0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	1100	U
74-83-9	-----Bromomethane	1100	U
75-01-4	-----Vinyl Chloride	1100	U
75-00-3	-----Chloroethane	1100	U
75-09-2	-----Methylene Chloride	1100	U
67-64-1	-----Acetone	1100	U
75-15-0	-----Carbon Disulfide	1100	U
75-35-4	-----1,1-Dichloroethene	1100	U
75-34-3	-----1,1-Dichloroethane	1100	U
540-59-0	-----1,2-Dichloroethene (Total)	1100	U
67-66-3	-----Chloroform	1100	U
107-06-2	-----1,2-Dichloroethane	1100	U
78-93-3	-----2-Butanone	1100	U
71-55-6	-----1,1,1-Trichloroethane	1100	U
56-23-5	-----Carbon Tetrachloride	1100	U
75-27-4	-----Bromodichloromethane	1100	U
78-87-5	-----1,2-Dichloropropane	1100	U
10061-01-5	-----cis-1,3-Dichloropropene	1100	U
79-01-6	-----Trichloroethene	1100	U
124-48-1	-----Dibromochloromethane	1100	U
79-00-5	-----1,1,2-Trichloroethane	1100	U
71-43-2	-----Benzene	1100	U
10061-02-6	-----trans-1,3-Dichloropropene	1100	U
75-25-2	-----Bromoform	1100	U
108-10-1	-----4-Methyl-2-Pentanone	1100	U
591-78-6	-----2-Hexanone	1100	U
127-18-4	-----Tetrachloroethene	6500	B
79-34-5	-----1,1,2,2-Tetrachloroethane	1100	U
108-88-3	-----Toluene	1100	U
108-90-7	-----Chlorobenzene	1100	U
100-41-4	-----Ethylbenzene	1100	U
100-42-5	-----Styrene	1100	U
1330-20-7	-----Xylene (Total)	1100	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB31620

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655007

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: VID0995

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 8

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 120-82-1	BENZENE, 1,2,4-TRICHLORO-	16.77	2100	NJ
2.				
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB34042

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655008

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V1D0997

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 3

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 1.0 (uL)

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

74-87-3-----	Chloromethane	94000	U
74-83-9-----	Bromomethane	94000	U
75-01-4-----	Vinyl Chloride	94000	U
75-00-3-----	Chloroethane	94000	U
75-09-2-----	Methylene Chloride	94000	U
67-64-1-----	Acetone	94000	U
75-15-0-----	Carbon Disulfide	94000	U
75-35-4-----	1,1-Dichloroethene	94000	U
75-34-3-----	1,1-Dichloroethane	94000	U
540-59-0-----	1,2-Dichloroethene (Total)	94000	U
67-66-3-----	Chloroform	94000	U
107-06-2-----	1,2-Dichloroethane	94000	U
78-93-3-----	2-Butanone	94000	U
71-55-6-----	1,1,1-Trichloroethane	94000	U
56-23-5-----	Carbon Tetrachloride	94000	U
75-27-4-----	Bromodichloromethane	94000	U
78-87-5-----	1,2-Dichloropropane	94000	U
10061-01-5-----	cis-1,3-Dichloropropene	94000	U
79-01-6-----	Trichloroethene	94000	U
124-48-1-----	Dibromochloromethane	94000	U
79-00-5-----	1,1,2-Trichloroethane	94000	U
71-43-2-----	Benzene	94000	U
10061-02-6-----	trans-1,3-Dichloropropene	94000	U
75-25-2-----	Bromoform	94000	U
108-10-1-----	4-Methyl-2-Pentanone	94000	U
591-78-6-----	2-Hexanone	94000	U
127-18-4-----	Tetrachloroethene	1100000	B
79-34-5-----	1,1,2,2-Tetrachloroethane	94000	U
108-88-3-----	Toluene	94000	U
108-90-7-----	Chlorobenzene	94000	U
100-41-4-----	Ethylbenzene	94000	U
100-42-5-----	Styrene	94000	U
1330-20-7-----	Xylene (Total)	94000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB34042

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655008

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V1D0997

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 3

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 1 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB41620

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655009

Sample wt/vol: 2.0 (g/mL) G

Lab File ID: V6A3947

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. 5

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	26	U
74-83-9-----	Bromomethane	26	U
75-01-4-----	Vinyl Chloride	26	U
75-00-3-----	Chloroethane	26	U
75-09-2-----	Methylene Chloride	26	U
67-64-1-----	Acetone	22	JB
75-15-0-----	Carbon Disulfide	26	U
75-35-4-----	1,1-Dichloroethene	26	U
75-34-3-----	1,1-Dichloroethane	26	U
540-59-0-----	1,2-Dichloroethene (Total)	26	U
67-66-3-----	Chloroform	26	U
107-06-2-----	1,2-Dichloroethane	26	U
78-93-3-----	2-Butanone	26	U
71-55-6-----	1,1,1-Trichloroethane	26	U
56-23-5-----	Carbon Tetrachloride	26	U
75-27-4-----	Bromodichloromethane	26	U
78-87-5-----	1,2-Dichloropropane	26	U
10061-01-5-----	cis-1,3-Dichloropropene	26	U
79-01-6-----	Trichloroethene	26	U
124-48-1-----	Dibromochloromethane	26	U
79-00-5-----	1,1,2-Trichloroethane	26	U
71-43-2-----	Benzene	26	U
10061-02-6-----	trans-1,3-Dichloropropene	26	U
75-25-2-----	Bromoform	26	U
108-10-1-----	4-Methyl-2-Pentanone	26	U
591-78-6-----	2-Hexanone	26	U
127-18-4-----	Tetrachloroethene	93	
79-34-5-----	1,1,2,2-Tetrachloroethane	26	U
108-88-3-----	Toluene	26	U
108-90-7-----	Chlorobenzene	26	U
100-41-4-----	Ethylbenzene	26	U
100-42-5-----	Styrene	26	U
1330-20-7-----	Xylene (Total)	26	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB41620

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655009

Sample wt/vol: 2.0 (g/mL) G

Lab File ID: V6A3947

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. 5

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB43236

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655010

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1D0998

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 6

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 0.1 (uL)

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

74-87-3-----	Chloromethane	1000000	U
74-83-9-----	Bromomethane	1000000	U
75-01-4-----	Vinyl Chloride	1000000	U
75-00-3-----	Chloroethane	1000000	U
75-09-2-----	Methylene Chloride	1000000	U
67-64-1-----	Acetone	1000000	U
75-15-0-----	Carbon Disulfide	1000000	U
75-35-4-----	1,1-Dichloroethene	1000000	U
75-34-3-----	1,1-Dichloroethane	1000000	U
540-59-0-----	1,2-Dichloroethene (Total)	1000000	U
67-66-3-----	Chloroform	1000000	U
107-06-2-----	1,2-Dichloroethane	1000000	U
78-93-3-----	2-Butanone	1000000	U
71-55-6-----	1,1,1-Trichloroethane	1000000	U
56-23-5-----	Carbon Tetrachloride	1000000	U
75-27-4-----	Bromodichloromethane	1000000	U
78-87-5-----	1,2-Dichloropropane	1000000	U
10061-01-5-----	cis-1,3-Dichloropropene	1000000	U
79-01-6-----	Trichloroethene	1000000	U
124-48-1-----	Dibromochloromethane	1000000	U
79-00-5-----	1,1,2-Trichloroethane	1000000	U
71-43-2-----	Benzene	1000000	U
10061-02-6-----	trans-1,3-Dichloropropene	1000000	U
75-25-2-----	Bromoform	1000000	U
108-10-1-----	4-Methyl-2-Pentanone	1000000	U
591-78-6-----	2-Hexanone	1000000	U
127-18-4-----	Tetrachloroethene	9400000	B
79-34-5-----	1,1,2,2-Tetrachloroethane	1000000	U
108-88-3-----	Toluene	1000000	U
108-90-7-----	Chlorobenzene	1000000	U
100-41-4-----	Ethylbenzene	1000000	U
100-42-5-----	Styrene	1000000	U
1330-20-7-----	Xylene (Total)	1000000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB43236

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655010

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1D0998

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 6

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 0 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB51620

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655012

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V1D0999

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 5

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 0.3 (uL)

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

74-87-3	-----Chloromethane	410000	U
74-83-9	-----Bromomethane	410000	U
75-01-4	-----Vinyl Chloride	410000	U
75-00-3	-----Chloroethane	410000	U
75-09-2	-----Methylene Chloride	410000	U
67-64-1	-----Acetone	410000	U
75-15-0	-----Carbon Disulfide	410000	U
75-35-4	-----1,1-Dichloroethene	410000	U
75-34-3	-----1,1-Dichloroethane	410000	U
540-59-0	-----1,2-Dichloroethene (Total)	410000	U
67-66-3	-----Chloroform	410000	U
107-06-2	-----1,2-Dichloroethane	410000	U
78-93-3	-----2-Butanone	410000	U
71-55-6	-----1,1,1-Trichloroethane	410000	U
56-23-5	-----Carbon Tetrachloride	410000	U
75-27-4	-----Bromodichloromethane	410000	U
78-87-5	-----1,2-Dichloropropane	410000	U
10061-01-5	-----cis-1,3-Dichloropropene	410000	U
79-01-6	-----Trichloroethene	410000	U
124-48-1	-----Dibromochloromethane	410000	U
79-00-5	-----1,1,2-Trichloroethane	410000	U
71-43-2	-----Benzene	410000	U
10061-02-6	-----trans-1,3-Dichloropropene	410000	U
75-25-2	-----Bromoform	410000	U
108-10-1	-----4-Methyl-2-Pentanone	410000	U
591-78-6	-----2-Hexanone	410000	U
127-18-4	-----Tetrachloroethene	3900000	B
79-34-5	-----1,1,2,2-Tetrachloroethane	410000	U
108-88-3	-----Toluene	410000	U
108-90-7	-----Chlorobenzene	410000	U
100-41-4	-----Ethylbenzene	410000	U
100-42-5	-----Styrene	410000	U
1330-20-7	-----Xylene (Total)	410000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB51620

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655012

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V1D0999

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 5

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 0 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB52832

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655013

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V1D1000

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 2

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 1.0 (uL)

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

74-87-3-----	Chloromethane	93000	U
74-83-9-----	Bromomethane	93000	U
75-01-4-----	Vinyl Chloride	93000	U
75-00-3-----	Chloroethane	93000	U
75-09-2-----	Methylene Chloride	93000	U
67-64-1-----	Acetone	93000	U
75-15-0-----	Carbon Disulfide	93000	U
75-35-4-----	1,1-Dichloroethene	93000	U
75-34-3-----	1,1-Dichloroethane	93000	U
540-59-0-----	1,2-Dichloroethene (Total)	93000	U
67-66-3-----	Chloroform	93000	U
107-06-2-----	1,2-Dichloroethane	93000	U
78-93-3-----	2-Butanone	93000	U
71-55-6-----	1,1,1-Trichloroethane	93000	U
56-23-5-----	Carbon Tetrachloride	93000	U
75-27-4-----	Bromodichloromethane	93000	U
78-87-5-----	1,2-Dichloropropane	93000	U
10061-01-5-----	cis-1,3-Dichloropropene	93000	U
79-01-6-----	Trichloroethene	93000	U
124-48-1-----	Dibromochloromethane	93000	U
79-00-5-----	1,1,2-Trichloroethane	93000	U
71-43-2-----	Benzene	93000	U
10061-02-6-----	trans-1,3-Dichloropropene	93000	U
75-25-2-----	Bromoform	93000	U
108-10-1-----	4-Methyl-2-Pentanone	93000	U
591-78-6-----	2-Hexanone	93000	U
127-18-4-----	Tetrachloroethene	1200000	B
79-34-5-----	1,1,2,2-Tetrachloroethane	93000	U
108-88-3-----	Toluene	93000	U
108-90-7-----	Chlorobenzene	93000	U
100-41-4-----	Ethylbenzene	93000	U
100-42-5-----	Styrene	93000	U
1330-20-7-----	Xylene (Total)	93000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB52832

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655013

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V1D1000

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 2

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 1 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB61016

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655014

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V1D1001

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 16

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 0.2 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	580000	U
74-83-9	-----Bromomethane	580000	U
75-01-4	-----Vinyl Chloride	580000	U
75-00-3	-----Chloroethane	580000	U
75-09-2	-----Methylene Chloride	580000	U
67-64-1	-----Acetone	580000	U
75-15-0	-----Carbon Disulfide	580000	U
75-35-4	-----1,1-Dichloroethene	580000	U
75-34-3	-----1,1-Dichloroethane	580000	U
540-59-0	-----1,2-Dichloroethene (Total)	580000	U
67-66-3	-----Chloroform	580000	U
107-06-2	-----1,2-Dichloroethane	580000	U
78-93-3	-----2-Butanone	580000	U
71-55-6	-----1,1,1-Trichloroethane	580000	U
56-23-5	-----Carbon Tetrachloride	580000	U
75-27-4	-----Bromodichloromethane	580000	U
78-87-5	-----1,2-Dichloropropane	580000	U
10061-01-5	-----cis-1,3-Dichloropropene	580000	U
79-01-6	-----Trichloroethene	580000	U
124-48-1	-----Dibromochloromethane	580000	U
79-00-5	-----1,1,2-Trichloroethane	580000	U
71-43-2	-----Benzene	580000	U
10061-02-6	-----trans-1,3-Dichloropropene	580000	U
75-25-2	-----Bromoform	580000	U
108-10-1	-----4-Methyl-2-Pentanone	580000	U
591-78-6	-----2-Hexanone	580000	U
127-18-4	-----Tetrachloroethene	6200000	B
79-34-5	-----1,1,2,2-Tetrachloroethane	580000	U
108-88-3	-----Toluene	580000	U
108-90-7	-----Chlorobenzene	580000	U
100-41-4	-----Ethylbenzene	580000	U
100-42-5	-----Styrene	580000	U
1330-20-7	-----Xylene (Total)	580000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB61016

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655014

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V1D1001

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 16

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 0 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DWSB63032

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655015

Sample wt/vol: 5.6 (g/mL) G

Lab File ID: V1D1002

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 2

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 50.0 (uL)

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

74-87-3-----	Chloromethane	1800	U
74-83-9-----	Bromomethane	1800	U
75-01-4-----	Vinyl Chloride	1800	U
75-00-3-----	Chloroethane	1800	U
75-09-2-----	Methylene Chloride	1800	U
67-64-1-----	Acetone	1800	U
75-15-0-----	Carbon Disulfide	1800	U
75-35-4-----	1,1-Dichloroethene	1800	U
75-34-3-----	1,1-Dichloroethane	1800	U
540-59-0-----	1,2-Dichloroethene (Total)	1800	U
67-66-3-----	Chloroform	1800	U
107-06-2-----	1,2-Dichloroethane	1800	U
78-93-3-----	2-Butanone	1800	U
71-55-6-----	1,1,1-Trichloroethane	1800	U
56-23-5-----	Carbon Tetrachloride	1800	U
75-27-4-----	Bromodichloromethane	1800	U
78-87-5-----	1,2-Dichloropropane	1800	U
10061-01-5-----	cis-1,3-Dichloropropene	1800	U
79-01-6-----	Trichloroethene	1800	U
124-48-1-----	Dibromochloromethane	1800	U
79-00-5-----	1,1,2-Trichloroethane	1800	U
71-43-2-----	Benzene	1800	U
10061-02-6-----	trans-1,3-Dichloropropene	1800	U
75-25-2-----	Bromoform	1800	U
108-10-1-----	4-Methyl-2-Pentanone	1800	U
591-78-6-----	2-Hexanone	1800	U
127-18-4-----	Tetrachloroethene	18000	B
79-34-5-----	1,1,2,2-Tetrachloroethane	1800	U
108-88-3-----	Toluene	1800	U
108-90-7-----	Chlorobenzene	1800	U
100-41-4-----	Ethylbenzene	1800	U
100-42-5-----	Styrene	1800	U
1330-20-7-----	Xylene (Total)	1800	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DWSB63032

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655015

Sample wt/vol: 5.6 (g/mL) G

Lab File ID: V1D1002

Level: (low/med) MED

Date Received: 05/02/00

% Moisture: not dec. 2

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 50 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

UOSB11720

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655001

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V6A3938

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. 7

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	11	B
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	68	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-4D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5659

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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	2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	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	
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.

ITMW-4D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5659

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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		
79-01-6	Trichloroethene	5	J
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	8	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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-4D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808009

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5659

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-7S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808006

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5660

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-7S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808006

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

Lab File ID: V2D5660

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

79-01-6	Trichloroethene	42	J
108-87-2	Methylcyclohexane	400	U
78-87-5	1,2-Dichloropropane	400	U
75-27-4	Bromodichloromethane	400	U
10061-01-5	cis-1,3-Dichloropropene	400	U
108-10-1	4-Methyl-2-Pentanone	400	U
108-88-3	Toluene	400	U
10061-02-6	trans-1,3-Dichloropropene	400	U
79-00-5	1,1,2-Trichloroethane	400	U
127-18-4	Tetrachloroethene	5200	
591-78-6	2-Hexanone	400	U
124-48-1	Dibromochloromethane	400	U
106-93-4	1,2-Dibromoethane	400	U
108-90-7	Chlorobenzene	400	U
100-41-4	Ethylbenzene	400	U
1330-20-7	Xylene (total)	400	U
100-42-5	Styrene	400	U
75-25-2	Bromoform	400	U
98-82-8	Isopropylbenzene	400	U
79-34-5	1,1,2,2-Tetrachloroethane	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
96-12-8	1,2-Dibromo-3-chloropropane	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-7S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808006

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5660

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 40.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ITMW-9S

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808007

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

Lab File ID: V2D5668

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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	8	J
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.

ITMW-9S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808007

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5668

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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		
79-01-6	Trichloroethene	4	J
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	170	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ITMW-9S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: 71808007

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

Lab File ID: V2D5668

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808013

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5666

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 400.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/L</u>	<u>Q</u>
75-71-8	Dichlorodifluoromethane	4000	U
74-87-3	Chloromethane	4000	U
75-01-4	Vinyl Chloride	4000	U
74-83-9	Bromomethane	4000	U
75-00-3	Chloroethane	4000	U
75-69-4	Trichlorofluoromethane	4000	U
75-35-4	1,1-Dichloroethene	4000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4000	U
67-64-1	Acetone	4000	U
75-15-0	Carbon Disulfide	4000	U
79-20-9	Methyl Acetate	4000	U
75-09-2	Methylene Chloride	4000	U
156-60-5	trans-1,2-Dichloroethene	4000	U
1634-04-4	Methyl tert-Butyl Ether	4000	U
75-34-3	1,1-Dichloroethane	4000	U
156-59-2	cis-1,2-Dichloroethene	770	J
78-93-3	2-Butanone	4000	U
67-66-3	Chloroform	4000	U
71-55-6	1,1,1-Trichloroethane	4000	U
110-82-7	Cyclohexane	4000	U
56-23-5	Carbon Tetrachloride	4000	U
71-43-2	Benzene	4000	U
107-06-2	1,2-Dichloroethane	4000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808013

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5666

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 400.0

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

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

CAS NO.	COMPOUND		
79-01-6	Trichloroethene	560	J
108-87-2	Methylcyclohexane	4000	U
78-87-5	1,2-Dichloropropane	4000	U
75-27-4	Bromodichloromethane	4000	U
10061-01-5	cis-1,3-Dichloropropene	4000	U
108-10-1	4-Methyl-2-Pentanone	4000	U
108-88-3	Toluene	4000	U
10061-02-6	trans-1,3-Dichloropropene	4000	U
79-00-5	1,1,2-Trichloroethane	4000	U
127-18-4	Tetrachloroethene	79000	
591-78-6	2-Hexanone	4000	U
124-48-1	Dibromochloromethane	4000	U
106-93-4	1,2-Dibromoethane	4000	U
108-90-7	Chlorobenzene	4000	U
100-41-4	Ethylbenzene	4000	U
1330-20-7	Xylene (total)	4000	U
100-42-5	Styrene	4000	U
75-25-2	Bromoform	4000	U
98-82-8	Isopropylbenzene	4000	U
79-34-5	1,1,2,2-Tetrachloroethane	4000	U
541-73-1	1,3-Dichlorobenzene	4000	U
106-46-7	1,4-Dichlorobenzene	4000	U
95-50-1	1,2-Dichlorobenzene	4000	U
96-12-8	1,2-Dibromo-3-chloropropane	4000	U
120-82-1	1,2,4-Trichlorobenzene	4000	U

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-13

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808013

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5666

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 400.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808012

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5665

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808012

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5665

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: 71808012

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5665

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK2RLCS

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: V2L1113A

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

Lab File ID: V2D5653

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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	39	
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	1	J
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	44	
107-06-2	1,2-Dichloroethane	10	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2RLCS

Lab Name: MITKEM CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: V2L1113A

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

Lab File ID: V2D5653

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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	45	
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	45	
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	46	
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VLK2R	103	100	104		0
02	VLK2RLCS	103	96	102		0
03	ITMW-16S	105	97	102		0
04	ITMW-00-19S	105	99	107		0
05	ITMW-12S	106	98	106		0
06	ITMW-00-17S	105	97	105		0
07	DUPLICATE-3	105	97	106		0
08	ITMW-4D	105	99	109		0
09	ITMW-7S	106	97	107		0
10	ITMW-2S	106	98	112		0
11	FB1	103	94	112		0
12	ITMW-3S	106	96	108		0
13	TRIP BLANK	107	98	111		0
14	MW-13	107	97	111		0
15	FB2	106	97	109		0
16	ITMW-9S	105	98	110		0
17	VLK2W	103	101	109		0
18	VHBLK2W	103	101	113		0
19						
20						
21						
22						
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30						

QC LIMITS

SMC1 (TOL) = Toluene-d8 (88-110)

SMC2 (BFB) = Bromofluorobenzene (86-115)

SMC3 (DCE) = 1,2-Dichloroethane-d4 (76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 71808

Matrix Spike - Sample No.: VBLK2R

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50	0.0	39	78	61-145
Benzene	50	0.0	44	88	76-127
Trichloroethene	50	0.0	45	90	71-120
Toluene	50	0.0	45	90	76-125
Chlorobenzene	50	0.0	46	92	75-130

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK2R

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808
 Lab File ID: V2D5652 Lab Sample ID: V2B1113A
 Date Analyzed: 11/13/00 Time Analyzed: 1131
 GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
 Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBK2RLCS	V2L1113A	V2D5653	1200
02	ITMW-16S	71808002	V2D5654	1237
03	ITMW-00-19S	71808001	V2D5655	1304
04	ITMW-12S	71808003	V2D5656	1332
05	ITMW-00-17S	71808004	V2D5657	1400
06	DUPLICATE-3	71808005	V2D5658	1427
07	ITMW-4D	71808009	V2D5659	1455
08	ITMW-7S	71808006	V2D5660	1523
09	ITMW-2S	71808008	V2D5662	1618
10	FB1	71808011	V2D5663	1646
11	ITMW-3S	71808010	V2D5664	1714
12	TRIP BLANK	71808012	V2D5665	1742
13	MW-13	71808013	V2D5666	1810
14	FB2	71808014	V2D5667	1838
15	ITMW-9S	71808007	V2D5668	1907
16				
17				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK2R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: V2B1113A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5652

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

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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.

VLK2R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: V2B1113A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5652

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

% Moisture: not dec. _____ Date Analyzed: 11/13/00

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

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

CAS NO. COMPOUND

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2R

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: V2B1113A

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

Lab File ID: V2D5652

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 11/13/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2W

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808
 Lab File ID: V2D5742 Lab Sample ID: V2B1115B
 Date Analyzed: 11/15/00 Time Analyzed: 1527
 GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N
 Instrument ID: V2

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

	EPA SAMPLE NO. =====	LAB SAMPLE ID =====	LAB FILE ID =====	TIME ANALYZED =====
01	VHBLK2W	V2B1115C	V2D5746	1740
02				
03				
04				
05				
06				
07				
08				
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COMMENTS: _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: V2B1115B

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5742

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

% Moisture: not dec. _____ Date Analyzed: 11/15/00

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.

VBLK2W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: V2B1115B

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5742

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

% Moisture: not dec. _____ Date Analyzed: 11/15/00

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

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

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK2W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: V2B1115B

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

Lab File ID: V2D5742

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 11/15/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK2W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: V2B1115C

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5746

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/15/00

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

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.

VHBLK2W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER Lab Sample ID: V2B1115C

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2D5746

Level: (low/med) LOW Date Received: 11/08/00

% Moisture: not dec. _____ Date Analyzed: 11/15/00

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

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

1F
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK2W

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808

Matrix: (soil/water) WATER

Lab Sample ID: V2B1115C

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

Lab File ID: V2D5746

Level: (low/med) LOW

Date Received: 11/08/00

% Moisture: not dec. _____

Date Analyzed: 11/15/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808
 EPA Sample No. (VSTD050##): VSTD0502R Date Analyzed: 11/13/00
 Lab File ID (Standard): V2D5651 Time Analyzed: 1003
 Instrument ID: V2 Heated Purge: (Y/N) N
 GC Column: DB-624 ID: 0.25 (mm)

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	245788	5.64	1255911	6.75	1081437	10.35
UPPER LIMIT	491576	6.14	2511822	7.25	2162874	10.85
LOWER LIMIT	122894	5.14	627956	6.25	540719	9.85
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
=====	=====	=====	=====	=====	=====	=====
01 VBLK2R	299785	5.63	1512593	6.74	1278783	10.34
02 VBLK2RLCS	297932	5.63	1481597	6.74	1250785	10.34
03 ITMW-16S	294665	5.63	1443187	6.74	1209277	10.34
04 ITMW-00-19S	278865	5.64	1406574	6.75	1178319	10.34
05 ITMW-12S	281120	5.63	1383149	6.74	1156553	10.34
06 ITMW-00-17S	281692	5.63	1341018	6.74	1145024	10.34
07 DUPLICATE-3	276384	5.63	1317300	6.74	1122782	10.34
08 ITMW-4D	271164	5.63	1300689	6.74	1108187	10.34
09 ITMW-7S	271130	5.63	1277737	6.74	1094419	10.33
10 ITMW-2S	262290	5.63	1277772	6.74	1084245	10.33
11 FB1	259234	5.63	1253129	6.74	1097155	10.34
12 ITMW-3S	264570	5.63	1249311	6.74	1063145	10.33
13 TRIP BLANK	255751	5.63	1234755	6.74	1034588	10.33
14 MW-13	255867	5.63	1223729	6.74	1036715	10.33
15 FB2	260226	5.63	1226775	6.74	1044471	10.33
16 ITMW-9S	258270	5.63	1217559	6.74	1046792	10.33
17						
18						
19						
20						
21						
22						

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

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

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 71808
 EPA Sample No. (VSTD050##): VSTD0502W Date Analyzed: 11/15/00
 Lab File ID (Standard): V2D5741 Time Analyzed: 1448
 Instrument ID: V2 Heated Purge: (Y/N) N
 GC Column: DB-624 ID: 0.25 (mm)

	IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	235924	5.66	1166912	6.77	1003128	10.37
UPPER LIMIT	471848	6.16	2333824	7.27	2006256	10.87
LOWER LIMIT	117962	5.16	583456	6.27	501564	9.87
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE						
=====	=====	=====	=====	=====	=====	=====
01 VBLK2W	258089	5.66	1294492	6.77	1121028	10.37
02 VHBLK2W	245330	5.66	1248623	6.77	1059934	10.36
03						
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19						
20						
21						
22						

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

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

UOSB11720

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655001

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V6A3938

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. 7

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

UOSB21115

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655002

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V6A3939

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. 4

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	JB
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	49	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

UOSB21115

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: 70655002

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V6A3939

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. 4

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK1PLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) WATER

Lab Sample ID: V1L0512A

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

Lab File ID: V1D0993

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 05/12/00

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
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	56	
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	51	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	52	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	51	
108-90-7	Chlorobenzene	50	
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (Total)	10	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK6WLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: V6L0511A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V6A3933

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	1	J
67-64-1-----	Acetone	8	JB
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	39	
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	51	
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	51	
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	32	
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	53	
108-90-7-----	Chlorobenzene	53	
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

UOSB11720

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655__

Matrix (soil/water): SOIL_____ Lab Sample ID: 70655001_____

Level (low/med): MED_____ Date Received: 05/02/00_____

% Solids: 93.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1460			P
7440-36-0	Antimony	0.87	U		P
7440-38-2	Arsenic	0.70	U		P
7440-39-3	Barium	8.9	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	0.18	B		P
7440-70-2	Calcium	176	B		P
7440-47-3	Chromium	7.3			P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	3.2	B	E	P
7439-89-6	Iron	3860			P
7439-92-1	Lead	2.7			P
7439-95-4	Magnesium	338	B		P
7439-96-5	Manganese	148			P
7439-97-6	Mercury	0.054	U		CV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	195	B		P
7782-49-2	Selenium	0.87	U		P
7440-22-4	Silver	0.52	U		P
7440-23-5	Sodium	29.5	B		P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	5.0	B		P
7440-66-6	Zinc	5.5			P
56-12-5	Cyanide				NR

Color Before: BROWN_____ Clarity Before: _____

Texture: COARSE/ROCKY

Color After: COLORLESS * Clarity After: CLEAR_____

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

UOSB21115

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655

Matrix (soil/water): SOIL Lab Sample ID: 70655002

Level (low/med): MED Date Received: 05/02/00

% Solids: 96.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1340			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	0.83	U		P
7440-39-3	Barium	7.8	B		P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.21	B		P
7440-70-2	Calcium	142	B		P
7440-47-3	Chromium	3.7			P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	2.6	B	E	P
7439-89-6	Iron	3960			P
7439-92-1	Lead	2.6			P
7439-95-4	Magnesium	222	B		P
7439-96-5	Manganese	104			P
7439-97-6	Mercury	0.042	U		CV
7440-02-0	Nickel	2.8	B		P
7440-09-7	Potassium	146	B		P
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	0.62	U		P
7440-23-5	Sodium	51.0	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	6.6			P
56-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: _____

Texture: MED\COARSE

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB11721

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655

Matrix (soil/water): SOIL Lab Sample ID: 70655003

Level (low/med): MED Date Received: 05/02/00

% Solids: 86.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3830			P
7440-36-0	Antimony	1.0	B		P
7440-38-2	Arsenic	0.72	U		P
7440-39-3	Barium	94.5			P
7440-41-7	Beryllium	0.63	B		P
7440-43-9	Cadmium	0.58	B		P
7440-70-2	Calcium	175	B		P
7440-47-3	Chromium	6.8			P
7440-48-4	Cobalt	4.6	B		P
7440-50-8	Copper	8.8		E	P
7439-89-6	Iron	8560			P
7439-92-1	Lead	6.9			P
7439-95-4	Magnesium	811	B		P
7439-96-5	Manganese	8270			P
7439-97-6	Mercury	0.053	U		CV
7440-02-0	Nickel	19.6			P
7440-09-7	Potassium	776	B		P
7782-49-2	Selenium	2.7			P
7440-22-4	Silver	0.54	U		P
7440-23-5	Sodium	312	B		P
7440-28-0	Thallium	8.1			P
7440-62-2	Vanadium	7.5	B		P
7440-66-6	Zinc	27.1			P
56-12-5	Cyanide				NR

Color Before: BROWN\BLACK Clarity Before: _____

Texture: MED\ROCKY

Color After: LT.YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB13337

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655__

Matrix (soil/water): SOIL Lab Sample ID: 70655004__

Level (low/med): MED Date Received: 05/02/00__

% Solids: 99.0__

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	509			P
7440-36-0	Antimony	0.92	U		P
7440-38-2	Arsenic	0.73	U		P
7440-39-3	Barium	3.1	B		P
7440-41-7	Beryllium	0.071	B		P
7440-43-9	Cadmium	0.14	B		P
7440-70-2	Calcium	99.0	B		P
7440-47-3	Chromium	3.2			P
7440-48-4	Cobalt	1.0	B		P
7440-50-8	Copper	1.9	B	E	P
7439-89-6	Iron	2620			P
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium	117	B		P
7439-96-5	Manganese	50.4			P
7439-97-6	Mercury	0.048	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	76.0	B		P
7782-49-2	Selenium	0.92	U		P
7440-22-4	Silver	0.55	U		P
7440-23-5	Sodium	125	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	3.1	B		P
7440-66-6	Zinc	5.0			P
56-12-5	Cyanide				NR

Color Before: TAN Clarity Before: _____

Texture: FINE/ROCKY

Color After: COLORLESS Clarity After: CLEAR__

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB21520

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655

Matrix (soil/water): SOIL Lab Sample ID: 70655005

Level (low/med): MED Date Received: 05/02/00

% Solids: 93.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1050			P
7440-36-0	Antimony	1.6	B		P
7440-38-2	Arsenic	0.80	U		P
7440-39-3	Barium	4.6	B		P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.29	B		P
7440-70-2	Calcium	242	B		P
7440-47-3	Chromium	3.2			P
7440-48-4	Cobalt	1.3	B		P
7440-50-8	Copper	8.3		E	P
7439-89-6	Iron	5450			P
7439-92-1	Lead	3.3			P
7439-95-4	Magnesium	281	B		P
7439-96-5	Manganese	63.2			P
7439-97-6	Mercury	0.054	U		CV
7440-02-0	Nickel	2.7	B		P
7440-09-7	Potassium	83.4	B		P
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	0.60	U		P
7440-23-5	Sodium	62.7	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	18.2			P
56-12-5	Cyanide				NR

Color Before: COARSE/ROCKY Clarity Before: _____

Texture: RED/BRWON

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
I
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB22832

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655

Matrix (soil/water): SOIL Lab Sample ID: 70655006

Level (low/med): MED Date Received: 05/02/00

% Solids: 94.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1190			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	1.3	B		P
7440-39-3	Barium	6.8	B		P
7440-41-7	Beryllium	0.099	B		P
7440-43-9	Cadmium	0.32	B		P
7440-70-2	Calcium	201	B		P
7440-47-3	Chromium	31.7			P
7440-48-4	Cobalt	1.7	B		P
7440-50-8	Copper	6.1		E	P
7439-89-6	Iron	7010			P
7439-92-1	Lead	4.0			P
7439-95-4	Magnesium	412	B		P
7439-96-5	Manganese	61.6			P
7439-97-6	Mercury	0.051	U		CV
7440-02-0	Nickel	3.0	B		P
7440-09-7	Potassium	392	B		P
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	0.62	U		P
7440-23-5	Sodium	27.7	U		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	10.4			P
7440-66-6	Zinc	8.2			P
56-12-5	Cyanide				NR

Color Before: TAN Clarity Before: _____ Texture: FINEROCKY

Color After: COLORLESS *Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB31620

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655

Matrix (soil/water): SOIL Lab Sample ID: 70655007

Level (low/med): MED Date Received: 05/02/00

% Solids: 92.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3690			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	0.86	U		P
7440-39-3	Barium	18.0	B		P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.39	B		P
7440-70-2	Calcium	624	B		P
7440-47-3	Chromium	18.0			P
7440-48-4	Cobalt	4.2	B		P
7440-50-8	Copper	10.8		E	P
7439-89-6	Iron	8470			P
7439-92-1	Lead	4.2			P
7439-95-4	Magnesium	1060	B		P
7439-96-5	Manganese	215			P
7439-97-6	Mercury	0.054	U		CV
7440-02-0	Nickel	6.8	B		P
7440-09-7	Potassium	485	B		P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	0.65	U		P
7440-23-5	Sodium	28.8	U		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	13.1			P
7440-66-6	Zinc	16.5			P
56-12-5	Cyanide				NR

Color Before: MED\ROCKY Clarity Before: _____

Texture: GREYBROWN

Color After: LT._YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB34042

Lab Name: MITKEM_CORPORATION _____ Contract: _____

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

SDG No.: 70655__

Matrix (soil/water): SOIL _____ Lab Sample ID: 70655008 _____

Level (low/med): MED _____ Date Received: 05/02/00 _____

% Solids: 97.0 _____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	602			P
7440-36-0	Antimony	0.90	U		P
7440-38-2	Arsenic	0.72	U		P
7440-39-3	Barium	3.6	B		P
7440-41-7	Beryllium	0.049	B		P
7440-43-9	Cadmium	0.10	B		P
7440-70-2	Calcium	73.1	B		P
7440-47-3	Chromium	9.4			P
7440-48-4	Cobalt	0.73	B		P
7440-50-8	Copper	2.3	B	E	P
7439-89-6	Iron	2360			P
7439-92-1	Lead	1.2			P
7439-95-4	Magnesium	162	B		P
7439-96-5	Manganese	46.5			P
7439-97-6	Mercury	0.052	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	90.9	B		P
7782-49-2	Selenium	0.90	U		P
7440-22-4	Silver	0.54	U		P
7440-23-5	Sodium	110	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	3.7	B		P
7440-66-6	Zinc	5.2			P
56-12-5	Cyanide				NR

Color Before: TAN _____ Clarity Before: _____

Texture: MEDIUM

Color After: COLORLESS *Clarity After: CLEAR__

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB41620

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655__

Matrix (soil/water): SOIL Lab Sample ID: 70655009__

Level (low/med): MED Date Received: 05/02/00__

% Solids: 95.0__

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1360			P
7440-36-0	Antimony	1.0	B		P
7440-38-2	Arsenic	0.77	U		P
7440-39-3	Barium	6.2	B		P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	0.20	B		P
7440-70-2	Calcium	358	B		P
7440-47-3	Chromium	4.5			P
7440-48-4	Cobalt	1.6	B		P
7440-50-8	Copper	9.8		E	P
7439-89-6	Iron	3900			P
7439-92-1	Lead	2.6			P
7439-95-4	Magnesium	394	B		P
7439-96-5	Manganese	93.1			P
7439-97-6	Mercury	0.048	U		CV
7440-02-0	Nickel	3.4	B		P
7440-09-7	Potassium	127	B		P
7782-49-2	Selenium	0.97	U		P
7440-22-4	Silver	0.58	U		P
7440-23-5	Sodium	57.1	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	5.5	B		P
7440-66-6	Zinc	14.7			P
56-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: _____

Texture: NED\ROCKY

Color After: COLORLESS Clarity After: CLEAR__

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB43236

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655__

Matrix (soil/water): SOIL_____ Lab Sample ID: 70655010_____

Level (low/med): MED_____ Date Received: 05/02/00_____

% Solids: 94.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1010			P
7440-36-0	Antimony	0.89	U		P
7440-38-2	Arsenic	0.72	U		P
7440-39-3	Barium	4.6	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.26	B		P
7440-70-2	Calcium	173	B		P
7440-47-3	Chromium	12.6			P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	5.2		E	P
7439-89-6	Iron	5320			P
7439-92-1	Lead	3.0			P
7439-95-4	Magnesium	235	B		P
7439-96-5	Manganese	68.4			P
7439-97-6	Mercury	0.051	U		CV
7440-02-0	Nickel	2.4	B		P
7440-09-7	Potassium	126	B		P
7782-49-2	Selenium	0.89	U		P
7440-22-4	Silver	0.54	U		P
7440-23-5	Sodium	71.2	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	7.5	B		P
7440-66-6	Zinc	7.1			P
56-12-5	Cyanide				NR

Color Before: TAN_____ Clarity Before: _____

Texture: MED/ROCKY

Color After: COLORLESS * Clarity After: CLEAR__

Artifacts: _____

Comments:

NYSDEC - ASP
I
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB51620

Lao Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655

Matrix (soil/water): SOIL Lab Sample ID: 70655012

Level (low/med): MED Date Received: 05/02/00

% Solids: 95.0

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	923			P
7440-36-0	Antimony	0.98	B		P
7440-38-2	Arsenic	0.76	U		P
7440-39-3	Barium	7.7	B		P
7440-41-7	Beryllium	0.076	B		P
7440-43-9	Cadmium	0.20	B		P
7440-70-2	Calcium	379	B		P
7440-47-3	Chromium	4.8			P
7440-48-4	Cobalt	2.3	B		P
7440-50-8	Copper	6.1		E	P
7439-89-6	Iron	3350			P
7439-92-1	Lead	3.8			P
7439-95-4	Magnesium	204	B		P
7439-96-5	Manganese	98.4			P
7439-97-6	Mercury	0.050	U		CV
7440-02-0	Nickel	3.8	B		P
7440-09-7	Potassium	86.7	B		P
7782-49-2	Selenium	0.95	U		P
7440-22-4	Silver	0.57	U		P
7440-23-5	Sodium	75.1	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	3.2	B		P
7440-66-6	Zinc	29.0			P
56-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: _____ Texture: MED

Color After: COLORLESS •Clarity After: CLEAR Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB52832

Lab Name: MITKEM CORPORATION _____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655__

Matrix (soil/water): SOIL _____ Lab Sample ID: 70655013 _____

Level (low/med): MED _____ Date Received: 05/02/00 _____

% Solids: 98.0 _____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1020			P
7440-36-0	Antimony	0.94	U		P
7440-38-2	Arsenic	0.76	U		P
7440-39-3	Barium	4.9	B		P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	0.25	B		P
7440-70-2	Calcium	188	B		P
7440-47-3	Chromium	13.9			P
7440-48-4	Cobalt	1.6	B		P
7440-50-8	Copper	5.5		E	P
7439-89-6	Iron	5560			P
7439-92-1	Lead	3.5			P
7439-95-4	Magnesium	288	B		P
7439-96-5	Manganese	68.5			P
7439-97-6	Mercury	0.051	U		CV
7440-02-0	Nickel	3.0	B		P
7440-09-7	Potassium	152	B		P
7782-49-2	Selenium	0.94	U		P
7440-22-4	Silver	0.57	U		P
7440-23-5	Sodium	174	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	5.4	B		P
7440-66-6	Zinc	12.9			P
56-12-5	Cyanide				NR

Color Before: TAN _____ Clarity Before: _____ Texture: ROCKYMED

Color After: COLORLESS • Clarity After: CLEAR _____ Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB61016

Lab Name: MITKEM_CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655__

Matrix (soil/water): SOIL_____ Lab Sample ID: 70655014_____

Level (low/med): MED_____ Date Received: 05/02/00_____

% Solids: 84.0_____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1950			P
7440-36-0	Antimony	1.9	B		P
7440-38-2	Arsenic	0.91	U		P
7440-39-3	Barium	24.7	B		P
7440-41-7	Beryllium	0.081	B		P
7440-43-9	Cadmium	0.54	B		P
7440-70-2	Calcium	1780			P
7440-47-3	Chromium	4.9			P
7440-48-4	Cobalt	1.1	B		P
7440-50-8	Copper	65.7		E	P
7439-89-6	Iron	3410			P
7439-92-1	Lead	284			P
7439-95-4	Magnesium	757	B		P
7439-96-5	Manganese	31.6			P
7439-97-6	Mercury	0.060	U		CV
7440-02-0	Nickel	6.3	B		P
7440-09-7	Potassium	125	B		P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	0.68	U		P
7440-23-5	Sodium	144	B		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	4.5	B		P
7440-66-6	Zinc	123			P
56-12-5	Cyanide				NR

Color Before: GREYBLACK Clarity Before: _____

Texture: MED/ROCKY

Color After: LT. YELLOW * Clarity After: CLEAR__

Artifacts: _____

Comments:

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DWSB63032

Lab Name: MITKEM_CORPORATION _____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655__

Matrix (soil/water): SOIL _____ Lab Sample ID: 70655015 _____

Level (low/med): MED _____ Date Received: 05/02/00 _____

% Solids: 98.0 _____

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

MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	975			P
7440-36-0	Antimony	1.2	B		P
7440-38-2	Arsenic	0.74	U		P
7440-39-3	Barium	3.6	B		P
7440-41-7	Beryllium	0.082	B		P
7440-43-9	Cadmium	0.17	B		P
7440-70-2	Calcium	144	B		P
7440-47-3	Chromium	5.5			P
7440-48-4	Cobalt	1.8	B		P
7440-50-8	Copper	5.4		E	P
7439-89-6	Iron	3510			P
7439-92-1	Lead	2.4			P
7439-95-4	Magnesium	544	B		P
7439-96-5	Manganese	54.0			P
7439-97-6	Mercury	0.043	U		CV
7440-02-0	Nickel	2.7	B		P
7440-09-7	Potassium	82.9	B		P
7782-49-2	Selenium	0.93	U		P
7440-22-4	Silver	0.56	U		P
7440-23-5	Sodium	236	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	3.6	B		P
7440-66-6	Zinc	12.8			P
56-12-5	Cyanide				NR

Color Before: TAN _____ Clarity Before: _____ Texture: FINE/ROCKY

Color After: COLORLESS *Clarity After: CLEAR _____ Artifacts: _____

Comments:

NYSDEC - ASP
7
LABORATORY CONTROL SAMPLE

Lab Name: MITKEM_CORPORATION _____ Contract: _____
 Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 70655____
 Solid LCS Source: ERA_LOT#_243_
 Aqueous LCS Source: _____

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum				4800.0	3854.1		3040.0 6560.0	80.3
Antimony				49.8	41.1		13.6 103.0	82.5
Arsenic				53.2	53.8		38.3 68.2	101.1
Barium				112.0	115.7		86.0 137.0	103.3
Beryllium				68.3	67.5		53.5 83.1	98.8
Cadmium				151.0	157.6		116.0 185.0	104.4
Calcium				1320.0	1251.0		986.0 1650.0	94.8
Chromium				99.4	95.0		76.6 122.0	95.6
Cobalt				60.4	60.8		48.0 72.8	100.7
Copper				59.2	59.5		48.5 70.0	100.5
Lead				9880.0	9035.9		5050.0 14700.0	91.5
Magnesium				97.8	104.6		74.5 121.0	107.0
Manganese				1220.0	1128.0		983.0 1460.0	92.5
Mercury				218.0	222.7		176.0 260.0	102.2
Nickel				3.1	3.5		1.8 4.4	112.9
Potassium				63.3	62.2		49.5 77.0	98.3
Selenium				2100.0	1990.2		1640.0 2560.0	94.8
Silver				143.0	145.4		106.0 180.0	101.7
Sodium				107.0	112.2		80.0 135.0	104.9
Thallium				545.0	398.6	B	150.0 721.0	73.1
Vanadium				103.0	103.3		58.7 146.0	100.3
Zinc				70.2	71.7		47.9 92.4	102.1
Cyanide				123.0	121.7		94.7 150.0	98.9

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VBLK1P	106	98	102		0
02	VBLK1PLCS	106	101	107		0
03	VHBLK1P	106	99	104		0
04						
05						
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QC LIMITS

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

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
	=====	=====	=====	=====	=====	=====
01	VLK6W	104	103	110		0
02	VLK6WLCS	102	93	100		0
03	UOSB11720	102	96	108		0
04	UOSB21115	101	96	112		0
05	DWSB11721	105	96	109		0
06	DWSB21520	99	96	111		0
07	DWSB41620	100	98	105		0
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QC LIMITS

SMC1 (TOL) = Toluene-d8 (84-138)
 SMC2 (BFB) = Bromofluorobenzene (59-113)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK1O	105	99	112		0
02	DWSB13337	106	98	108		0
03	DWSB22832	105	98	108		0
04	VBLK1Q	106	100	108		0
05	DWSB31620	106	102	111		0
06	DWSB34042	106	103	110		0
07	DWSB43236	106	100	107		0
08	DWSB51620	105	99	105		0
09	DWSB52832	104	100	107		0
10	DWSB61016	106	101	108		0
11	DWSB63032	107	102	109		0
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QC LIMITS

SMC1 (TOL) = Toluene-d8 (84-138)
 SMC2 (BFB) = Bromofluorobenzene (59-113)
 SMC3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix Spike - Sample No.: VBLK1P

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50	0.0	56	112	59-172
Trichloroethene	50	0.0	51	102	62-137
Benzene	50	0.0	52	104	66-142
Toluene	50	0.0	51	102	59-139
Chlorobenzene	50	0.0	50	100	60-133

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix Spike - Sample No.: VBLK6W

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,1-Dichloroethene	50	0.0	39	78	59-172
Trichloroethene	50	0.0	51	102	62-137
Benzene	50	0.0	51	102	66-142
Toluene	50	0.0	53	106	59-139
Chlorobenzene	50	0.0	53	106	60-133

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

* Values outside of QC limits

RPD: 0 out of 0 outside limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VLK10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Lab File ID: V1D0974A

Lab Sample ID: V1B0511E

Date Analyzed: 05/12/00

Time Analyzed: 0147

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

Heated Purge: (Y/N) N

Instrument ID: V1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	DWSB13337	70655004	V1D0974B	0214
02	DWSB22832	70655006	V1D0975	0241
03	DWSB31620	70655007	V1D0995	1333
04	DWSB34042	70655008	V1D0997	1433
05	DWSB43236	70655010	V1D0998	1501
06	DWSB51620	70655012	V1D0999	1528
07	DWSB52832	70655013	V1D1000	1555
08	DWSB61016	70655014	V1D1001	1622
09	DWSB63032	70655015	V1D1002	1649
10				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: V1B0511E

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1D0974A

Level: (low/med) MED

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	1000	U
74-83-9-----	Bromomethane	1000	U
75-01-4-----	Vinyl Chloride	1000	U
75-00-3-----	Chloroethane	1000	U
75-09-2-----	Methylene Chloride	1000	U
67-64-1-----	Acetone	1000	U
75-15-0-----	Carbon Disulfide	1000	U
75-35-4-----	1,1-Dichloroethene	1000	U
75-34-3-----	1,1-Dichloroethane	1000	U
540-59-0-----	1,2-Dichloroethene (Total)	1000	U
67-66-3-----	Chloroform	1000	U
107-06-2-----	1,2-Dichloroethane	1000	U
78-93-3-----	2-Butanone	1000	U
71-55-6-----	1,1,1-Trichloroethane	1000	U
56-23-5-----	Carbon Tetrachloride	1000	U
75-27-4-----	Bromodichloromethane	1000	U
78-87-5-----	1,2-Dichloropropane	1000	U
10061-01-5-----	cis-1,3-Dichloropropene	1000	U
79-01-6-----	Trichloroethene	1000	U
124-48-1-----	Dibromochloromethane	1000	U
79-00-5-----	1,1,2-Trichloroethane	1000	U
71-43-2-----	Benzene	1000	U
10061-02-6-----	trans-1,3-Dichloropropene	1000	U
75-25-2-----	Bromoform	1000	U
108-10-1-----	4-Methyl-2-Pentanone	1000	U
591-78-6-----	2-Hexanone	1000	U
127-18-4-----	Tetrachloroethene	140	J
79-34-5-----	1,1,2,2-Tetrachloroethane	1000	U
108-88-3-----	Toluene	1000	U
108-90-7-----	Chlorobenzene	1000	U
100-41-4-----	Ethylbenzene	1000	U
100-42-5-----	Styrene	1000	U
1330-20-7-----	Xylene (Total)	1000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VLK10

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: V1B0511E

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1D0974A

Level: (low/med) MED

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Lab File ID: V1D0992

Lab Sample ID: V1B0512A

Date Analyzed: 05/12/00

Time Analyzed: 1055

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

Heated Purge: (Y/N) N

Instrument ID: V1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLK1PLCS	V1L0512A	V1D0993	1134
02	VHBLK1P	V1B0512E	V1D1004	1758
03				
04				
05				
06				
07				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK1P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) WATER

Lab Sample ID: V1B0512A

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

Lab File ID: V1D0992

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 05/12/00

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
74-87-3	Chloromethane	10 U	
74-83-9	Bromomethane	10 U	
75-01-4	Vinyl Chloride	10 U	
75-00-3	Chloroethane	10 U	
75-09-2	Methylene Chloride	10 U	
67-64-1	Acetone	10 U	
75-15-0	Carbon Disulfide	10 U	
75-35-4	1,1-Dichloroethene	10 U	
75-34-3	1,1-Dichloroethane	10 U	
540-59-0	1,2-Dichloroethene (Total)	10 U	
67-66-3	Chloroform	10 U	
107-06-2	1,2-Dichloroethane	10 U	
78-93-3	2-Butanone	10 U	
71-55-6	1,1,1-Trichloroethane	10 U	
56-23-5	Carbon Tetrachloride	10 U	
75-27-4	Bromodichloromethane	10 U	
78-87-5	1,2-Dichloropropane	10 U	
10061-01-5	cis-1,3-Dichloropropene	10 U	
79-01-6	Trichloroethene	10 U	
124-48-1	Dibromochloromethane	10 U	
79-00-5	1,1,2-Trichloroethane	10 U	
71-43-2	Benzene	10 U	
10061-02-6	trans-1,3-Dichloropropene	10 U	
75-25-2	Bromoform	10 U	
108-10-1	4-Methyl-2-Pentanone	10 U	
591-78-6	2-Hexanone	10 U	
127-18-4	Tetrachloroethene	10 U	
79-34-5	1,1,2,2-Tetrachloroethane	10 U	
108-88-3	Toluene	10 U	
108-90-7	Chlorobenzene	10 U	
100-41-4	Ethylbenzene	10 U	
100-42-5	Styrene	10 U	
1330-20-7	Xylene (Total)	10 U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VLK1P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) WATER

Lab Sample ID: V1B0512A

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

Lab File ID: V1D0992

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Lab File ID: V1D0994

Lab Sample ID: V1B0512B

Date Analyzed: 05/12/00

Time Analyzed: 1258

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

Heated Purge: (Y/N) N

Instrument ID: V1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	DWSB13337	70655004	V1D0974B	0214
02	DWSB22832	70655006	V1D0975	0241
03	DWSB31620	70655007	V1D0995	1333
04	DWSB34042	70655008	V1D0997	1433
05	DWSB43236	70655010	V1D0998	1501
06	DWSB51620	70655012	V1D0999	1528
07	DWSB52832	70655013	V1D1000	1555
08	DWSB61016	70655014	V1D1001	1622
09	DWSB63032	70655015	V1D1002	1649
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK1Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: V1B0512B

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1D0994

Level: (low/med) MED

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100.0 (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

74-87-3-----	Chloromethane	1000	U
74-83-9-----	Bromomethane	1000	U
75-01-4-----	Vinyl Chloride	1000	U
75-00-3-----	Chloroethane	1000	U
75-09-2-----	Methylene Chloride	140	J
67-64-1-----	Acetone	1000	U
75-15-0-----	Carbon Disulfide	1000	U
75-35-4-----	1,1-Dichloroethene	1000	U
75-34-3-----	1,1-Dichloroethane	1000	U
540-59-0-----	1,2-Dichloroethene (Total)	1000	U
67-66-3-----	Chloroform	1000	U
107-06-2-----	1,2-Dichloroethane	1000	U
78-93-3-----	2-Butanone	1000	U
71-55-6-----	1,1,1-Trichloroethane	1000	U
56-23-5-----	Carbon Tetrachloride	1000	U
75-27-4-----	Bromodichloromethane	1000	U
78-87-5-----	1,2-Dichloropropane	1000	U
10061-01-5-----	cis-1,3-Dichloropropene	1000	U
79-01-6-----	Trichloroethene	1000	U
124-48-1-----	Dibromochloromethane	1000	U
79-00-5-----	1,1,2-Trichloroethane	1000	U
71-43-2-----	Benzene	1000	U
10061-02-6-----	trans-1,3-Dichloropropene	1000	U
75-25-2-----	Bromoform	1000	U
108-10-1-----	4-Methyl-2-Pentanone	1000	U
591-78-6-----	2-Hexanone	1000	U
127-18-4-----	Tetrachloroethene	270	J
79-34-5-----	1,1,2,2-Tetrachloroethane	1000	U
108-88-3-----	Toluene	1000	U
108-90-7-----	Chlorobenzene	1000	U
100-41-4-----	Ethylbenzene	1000	U
100-42-5-----	Styrene	1000	U
1330-20-7-----	Xylene (Total)	1000	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK1Q

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: V1B0512B

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V1D0994

Level: (low/med) MED

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6W

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Lab File ID: V6A3932

Lab Sample ID: V6B0511A

Date Analyzed: 05/11/00

Time Analyzed: 0924

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

Heated Purge: (Y/N) Y

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	VBLK6WLCS	V6L0511A	V6A3933	0955
02	UOSB11720	70655001	V6A3938	1248
03	UOSB21115	70655002	V6A3939	1317
04	DWSB11721	70655003	V6A3940	1345
05	DWSB21520	70655005	V6A3941	1414
06	DWSB41620	70655009	V6A3947	1715
07				
08				
09				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6W

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: V6B0511A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V6A3932

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	9	J
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (Total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	6	J
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBK6W

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) SOIL

Lab Sample ID: V6B0511A

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: V6A3932

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 05/11/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK1P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) WATER

Lab Sample ID: V1B0512E

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

Lab File ID: V1D1004

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. _____

Date Analyzed: 05/12/00

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

74-87-3-----Chloromethane	10	U
74-83-9-----Bromomethane	10	U
75-01-4-----Vinyl Chloride	10	U
75-00-3-----Chloroethane	10	U
75-09-2-----Methylene Chloride	10	U
67-64-1-----Acetone	10	U
75-15-0-----Carbon Disulfide	10	U
75-35-4-----1,1-Dichloroethene	10	U
75-34-3-----1,1-Dichloroethane	10	U
540-59-0-----1,2-Dichloroethene (Total)	10	U
67-66-3-----Chloroform	10	U
107-06-2-----1,2-Dichloroethane	10	U
78-93-3-----2-Butanone	10	U
71-55-6-----1,1,1-Trichloroethane	10	U
56-23-5-----Carbon Tetrachloride	10	U
75-27-4-----Bromodichloromethane	10	U
78-87-5-----1,2-Dichloropropane	10	U
10061-01-5-----cis-1,3-Dichloropropene	10	U
79-01-6-----Trichloroethene	10	U
124-48-1-----Dibromochloromethane	10	U
79-00-5-----1,1,2-Trichloroethane	10	U
71-43-2-----Benzene	10	U
10061-02-6-----trans-1,3-Dichloropropene	10	U
75-25-2-----Bromoform	10	U
108-10-1-----4-Methyl-2-Pentanone	10	U
591-78-6-----2-Hexanone	10	U
127-18-4-----Tetrachloroethene	10	U
79-34-5-----1,1,2,2-Tetrachloroethane	10	U
108-88-3-----Toluene	10	U
108-90-7-----Chlorobenzene	10	U
100-41-4-----Ethylbenzene	10	U
100-42-5-----Styrene	10	U
1330-20-7-----Xylene (Total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLK1P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Matrix: (soil/water) WATER

Lab Sample ID: V1B0512E

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

Lab File ID: V1D1004

Level: (low/med) LOW

Date Received: 05/02/00

% Moisture: not dec. _____

Date Analyzed: 05/12/00

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. 75-37-6	ETHANE, 1,1-DIFLUORO-	2.37	9	NJ
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NYSDEC - ASP

3

BLANKS

Lab Name: MITKEM_CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 70655

Preparation Blank Matrix (soil/water):

SOIL

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

MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum	12.0	U	12.0	U	26.7	B	12.0	U	2.400	U	P
Antimony	5.1	B	5.5	B	5.1	B	5.0	U	1.000	U	P
Arsenic	-6.5	B	-5.3	B	4.0	U	4.0	U	-0.979	B	P
Barium	0.5	U	13.1	B	25.5	B	3.1	B	0.408	B	P
Beryllium	0.2	U	0.2	U	0.5	B	0.2	U	0.040	U	P
Bismuth	0.2	U	0.4	B	0.7	B	0.2	B	0.040	U	P
Cadmium	298.0	U	298.0	U	298.0	U	298.0	U	59.600	U	P
Chromium	0.4	U	1.6	B	2.3	B	0.4	U	0.080	U	P
Cobalt	0.6	U	3.3	B	6.3	B	0.7	B	0.120	U	P
Copper	0.5	U	0.6	B	2.7	B	0.5	U	0.100	U	P
Iron	3.0	U	8.0	B	13.8	B	4.4	B	2.638	B	P
Lead	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	P
Magnesium	6.0	U	15.1	B	52.2	B	6.0	U	1.200	U	P
Manganese	0.8	U	3.6	B	6.3	B	0.8	U	0.234	B	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.050	U	CV
Nickel	0.6	U	2.9	B	5.9	B	0.6	U	0.120	U	P
Potassium	135.0	U	135.0	U	135.0	U	135.0	U	27.000	U	P
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	P
Silver	3.0	U	3.0	U	3.0	U	3.0	U	0.600	U	P
Sodium	259.7	B	266.6	B	305.1	B	283.3	B	74.911	B	P
Thallium	6.0	U	6.0	U	6.0	U	6.0	U	1.200	U	P
Vanadium	0.5	U	1.8	B	5.6	B	0.9	B	0.100	U	P
Zinc	0.9	U	2.4	B	5.2	B	0.9	U	1.734	B	P
Cyanide											

NYSDEC - ASP

3

BLANKS

Lab Name: MITKEM_CORPORATION

Contract: _____

Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: 70655

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L)						Prepa- ration Blank	C	M
			1	C	2	C	3	C			
Aluminum			12.3	B							P
Antimony			5.0	U							P
Arsenic			4.3	B							P
Barium			4.9	B							P
Beryllium			0.2	U							P
Cadmium			0.2	U							P
Chromium			298.0	U							P
Cobalt			0.5	B							P
Copper			1.6	B							P
Iron			0.5	U							P
Lead			5.3	B							P
Magnesium			3.0	U							P
Manganese			8.5	B							P
Mercury			1.2	B							P
Nickel											
Potassium			1.3	B							P
Selenium											
Silver			5.0	U							P
Sodium			3.0	U							P
Thallium			423.5	B							P
Vanadium			7.8	B							P
Zinc			1.0	B							P
Cyanide			0.9	U							P

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Lab File ID (Standard): V1D0971

Date Analyzed: 05/11/00

Instrument ID: V1

Time Analyzed: 2321

GC Column: DB-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	21198	6.93	107465	8.11	96244	11.77
UPPER LIMIT	42396	7.43	214930	8.61	192488	12.27
LOWER LIMIT	10599	6.43	53733	7.61	48122	11.27
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLK10	20445	6.93	104334	8.11	94935	11.77
02 DWSB13337	20775	6.94	105783	8.11	94240	11.77
03 DWSB22832	20848	6.94	105611	8.12	94397	11.78
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = + 0.50 minutes of internal standard RT

RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Lab File ID (Standard): V1D0991

Date Analyzed: 05/12/00

Instrument ID: V1

Time Analyzed: 1020

GC Column: DB-624

ID: 0.25 (mm)

Heated Purge: (Y/N) N

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	23143	6.93	119880	8.11	108508	11.78
UPPER LIMIT	46286	7.43	239760	8.61	217016	12.28
LOWER LIMIT	11572	6.43	59940	7.61	54254	11.28
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLK1P	23885	6.93	120053	8.11	107881	11.78
02 VBLK1PLCS	22498	6.93	116691	8.11	104340	11.78
03 VBLK1Q	19066	6.93	99787	8.11	90640	11.78
04 DWSB31620	18447	6.93	89141	8.11	82769	11.78
05 DWSB34042	21116	6.93	104570	8.11	95367	11.78
06 DWSB43236	19407	6.94	94271	8.12	86142	11.78
07 DWSB51620	21009	6.94	103168	8.11	93816	11.78
08 DWSB52832	19113	6.94	91517	8.12	84401	11.78
09 DWSB61016	21360	6.94	108678	8.12	97728	11.78
10 DWSB63032	20223	6.94	102485	8.12	92192	11.78
11 VHBLK1P	23725	6.93	120836	8.11	109684	11.78
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22						

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

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

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: 70655

Lab File ID (Standard): V6A3931

Date Analyzed: 05/11/00

Instrument ID: V6

Time Analyzed: 0823

GC Column: DB-624

ID: 0.25 (mm)

Heated Purge: (Y/N) Y

	IS1 (BCM)		IS2 (DFB)		IS3 (CBZ)	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
=====	=====	=====	=====	=====	=====	=====
12 HOUR STD	51182	7.14	296594	8.32	278652	12.00
UPPER LIMIT	102364	7.64	593188	8.82	557304	12.50
LOWER LIMIT	25591	6.64	148297	7.82	139326	11.50
=====	=====	=====	=====	=====	=====	=====
EPA SAMPLE NO.						
=====	=====	=====	=====	=====	=====	=====
01 VBLK6W	56134	7.14	324883	8.32	302514	12.00
02 VBLK6WLCS	47689	7.14	275351	8.33	256222	12.01
03 UOSB11720	45560	7.14	251342	8.33	231446	12.01
04 UOSB21115	42029	7.14	243956	8.32	227331	12.00
05 DWSB11721	40330	7.14	235605	8.32	208330	12.00
06 DWSB21520	42244	7.14	245482	8.32	235301	12.00
07 DWSB41620	46237	7.14	255170	8.32	243877	12.00
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IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

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