# **REMEDIAL SYSTEM OPTIMIZATION REPORT**

Korkay, Inc. Site Site 5-18-014

# Work Assignment No. D004445-20

Prepared for: SUPERFUND STANDBY PROGRAM New York State Department of Environmental Conservation 625 Broadway Albany, New York 12233

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# **List of Acronyms**

AS	Air Sporging
ASW	Air Sparging Air Sparging Well
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
COC	Contaminant of Concern
CFC	Chain of Custody
CVOC	•
DCE	Chlorinated Volatile Organic Compounds
	1,2- dichloroethene Eubacteria
EBAC	
IWC	Inches of Water Column
FFS	Focus Feasibility Study
MNA	Monitored Natural Attenuation
MOB	Methanotrophs
MW	Monitoring Well
NCP	National Contingency Plan
NYSDEC	New York State Department of Environmental Conservation
O&M	Operation and Maintenance
OM&M	Operation, Maintenance, and Monitoring
ORP	Oxidation-Reduction Potential
ppb	Parts Per Billion
ppm	Parts Per Million
RAO	Remedial Action Objectives
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RSO	Remedial System Optimization
SCG	Soil Cleanup Goal
sMMO	Soluble Methane Monooxgenase
SVE	Soil Vapor Extraction
SVOC	Semi-Volatile Organic Compound
TAGM	Technical and Administrative Guidance Memorandum
TCE	Trichloroethene
TCL	Target Compound List
TOC	Total Organic Carbon
VEW	Vapor Extraction Well
VOCs	Volatile Organic Compounds

#### **1.0 INTRODUCTION**

Earth Tech Northeast, Inc (Earth Tech) has performed a Remedial System Optimization (RSO) study for the Korkay, Inc. Site (Site) in the Village of Broadalbin, Fulton County, New York. This work was done for the New York State Department of Environmental Conservation (NYSDEC) under Work Assignment 20 of the Superfund Standby Contract Number D004445 between NYSDEC and Earth Tech. The NYSDEC has assigned the Korkay, Inc. Site as Site No. 5-18-014. The Site is currently classified as a Class 2 site that has been partially remediated but requires continued operation, maintenance and monitoring (OM&M). An inactive Soil Vapor Extraction (SVE) system with an additional air sparging (AS) system has been implemented at the site but not presently in use. As part of the RSO study, groundwater and soil samples were collected and the results were compared with historical results and also with current cleanup standards. Remedial alternatives were evaluated in a focused feasibility study (FFS) for the treatment of the remaining residual contamination.

The Site is a one acre parcel of land at 70 West Main Street, in the Village of Broadalbin (see Figure 1-1, Site Location Plan, and Figure 1-2, Site Layout Plan). The area is a mix of residential and commercial properties.

#### **1.1 SITE OVERVIEW**

Korkay, Inc. was a chemical supply and storage company. Bulk chemicals were bought from other chemical companies and stored onsite from 1969 to 1980. These chemicals (e.g., detergents, solvents) were then blended and produced as household products such as car wax and hand cleaners. During this time the Korkay site also became an area for barrel storage and cleaning. The chemicals that were removed from the barrels were discharged to the ground via a septic system, presumably contaminating the groundwater.

In 1979 the NYSDEC and NYSDOH conducted inspections of the facilities due to complaints from surrounding property owners. During the inspections, residue from leaking barrels was observed creating unknown chemical pools on the soil. EA Science and Technology performed onsite sampling of monitoring wells as a preliminary assessment for the contamination. Several compounds detected included, but were not limited to, acetone and trichloroethene.

The inspection led to the installation of a 4,000-gallon above ground holding tank in 1980 to contain the cleaning and spill wastewater. In 1985 Korkay, Inc. replaced the underground fuel oil and bulk chemical storage tanks with above ground tanks.

In 1992 the NYSDEC conducted another site inspection. Numerous drums of hazardous waste were found and secured for removal. Between 1993 and 1995, Camp, Dresser, and McKee (CDM) conducted a Remedial Investigation (RI) and Feasibility Study (FS) of the site. The first phase of the RI, conducted from September 1993 until April 1994, included the collection of surface and subsurface soil samples and the installation and sampling of monitoring wells. The second phase of the RI, conducted between October 1994 and May 1995, included the collection of additional soil samples to delineate vertical extent of contamination and background levels and the collection of a second round of groundwater samples.

Evaluations of remedial alternatives were presented in a Final Phase I & II FS (February 1995) and a detailed analysis FS (August 1995). Following submission of the FS, a Record of Decision (ROD) was issued in March 1996.

As outlined in the ROD, the overall remediation goals of the site are:

1) To eliminate, to the greatest extent possible, on-site soils as a source of groundwater contamination; and

2) To eliminate or reduce human exposure to on-site soils contamination.

To accomplish these goals based upon the results of the RI/FS and the evaluation of alternatives, the NYSDEC selected: excavation and off-site disposal of the top 6 inches of contaminated surface soil; backfill excavated areas with clean soil and cover soil with vegetation; installation and operation of a SVE system with optional AS system or site dewatering; and site environmental monitoring for five years.

The specific elements of the remedy were:

- A remedial design program to verify the components of the conceptual design, provide the details necessary for the construction, operation and maintenance, and monitoring (OM&M) of the remedial program and resolve uncertainties identified during the RI/FS;
- Excavation and off-site disposal of approximately 145 cubic yards of contaminated surface soil;
- Backfilling excavated areas with clean fill that will be compacted, graded and covered with vegetation to reduce infiltration of precipitation and reduce erosion;
- Conduct SVE (with optional AS or site dewatering) for a period of up to six months. The SVE system was to be installed in the area with the highest contamination level;
- Impose deed restrictions to exclude the use of site groundwater for residential or industrial use.
- Demolition and disposal of the building; and
- Annually monitor, for a period of five years, the groundwater from two wells for VOCs, SVOCs, and pesticides. The site was to be reevaluated at the end of the five year period to assess the effectiveness of the remedy.

Implementation of the elements of the ROD is discussed in Section 2.4. Building demolition and excavation and off-site disposal of contaminated soils occurred between April and August 1997. Operation of the SVE system began in November 1998. In July 2000, the contract with CDM expired and the NYSDEC assumed responsibility for site operations. The NYSDEC discontinued operation of the SVE system in 2003.

#### 1.2 PROJECT OBJECTIVES AND SCOPE OF WORK

The NYSDEC operates and maintains many remedial actions involving active remediation systems such as SVE and groundwater extraction and treatment systems. These operations constitute a significant annual expense for the NYSDEC. A RSO study has been performed at the Korkay Site to determine the effectiveness of the implemented remedy. The objectives of the RSO study are to:

- Summarize remedial system performance utilizing operational data;
- Evaluate current Site environmental conditions;
- Review treatment system performance;
- Review current regulatory requirements; and
- Review remedial action objectives and closure strategies

In addition, this report includes a FFS to evaluate alternatives to remediate the residual contamination.

#### **1.3 REPORT OVERVIEW**

Section 2.0 of this report provides a description of the remedial action systems for the Site. Section 3.0 presents the findings and observations from the system performance data review and collection of soil and groundwater samples. Section 4.0 presents the FFS. Conclusions and recommendations are provided in Section 5.0.

#### 2.0 REMEDIAL ACTION DESCRIPTION

This section presents a summary of the site history, investigation results, clean-up goals, previous remedial actions, and current treatment systems. The information contained in this section is based on a review of the following documents:

- Final RI Report (CDM, 1994)
- Final Feasibility Study Report (CDM, 1995)
- ROD (NYSDEC, 1996);
- Remedial Construction Certification (Camp, Dresser, & McKee, 2000);
- Post Remediation Report (NYSDEC, 1998);
- Operation and Maintenance Plan for Area 1 Remediation (CDM, 1999); and
- NYSDEC Periodic Reviews (2000-2002)

#### 2.1 SITE ENVIRONMENTAL SETTING

The site is located at 70 West Main Street in the Village of Broadalbin, Fulton County, New York. The village, approximately one square mile in size, is located almost entirely within the limits of the Town of Broadalbin. Land uses surrounding the site include residences to the north, a residence to the west, a church to the east, and West Main Street to the south.

A brief summary of the site geology is included from the RI Report (CDM, 1994). The limited geologic information published for the Broadalbin, New York area suggests overburden material consists of poorly-sorted units of glacial origin, including fine- to medium-grained sand, silty clay, gravel, and till. Drift till is poorly sorted, while outwash kame deposits are well sorted because they were deposited by water. More specifically, the shallow soil is characterized as a fine- to medium-grained sand unit grading to a silty clay unit. An extensive silty clay unit interbedded with lenses of clayey silt, silt, and sand was encountered during the RI at depths ranging from approximately 9.5 feet to 42 feet. Underlying the silty clay unit is a thin sand and gravel unit that overlies dense silt till unit. The dense silt till unit was initially encountered at depths ranging from approximately 34 to 54 feet below surface grade. These glacial deposits are reported to be underlain by dolomite bedrock of the Cambrian Little Falls Formation.

The uppermost water-bearing unit was encountered in the overburden at a depth of 7.5 to 8 feet below the surface grade. The first water-bearing unit below the aquitard (the silty clay), was encountered at depths ranging from 32 feet to 43 feet below the surface grade. Based on one round of water levels obtained during the RI, groundwater flow in the uppermost water bearing unit is in a southerly direction. The hydraulic gradient in the first water-bearing unit encountered below the aquitard is suggested to be in the southeasterly direction; however, this may not be illustrative of the actual site conditions because of the thin, possibly discontinuous sands that were monitored, and the existence of a significant vertical hydraulic gradient.

The nearest surface water body is Kenneyetto Creek, located approximately 600 feet south (down gradient) of the site. All neighboring homes receive their drinking water from a public water system.

#### 2.2 RESULTS OF REMEDIAL INVESTIGATION

In 1979, following complaints from the neighboring property owners, personnel from the NYSDEC and NYSDOH conducted an inspection of the facilities. At the inspection, residue from the stored barrels was observed on the ground creating puddles of unknown chemicals.

Analysis of samples collected from on-site monitoring wells during the preliminary assessment detected several organic compounds including acetone and trichloroethene in concentrations exceeding the NYSDEC groundwater standards.

As a result of the inspection, the Site owners in 1980 installed a 4,000-gallon holding tank to contain liquids generated from cleaning vats and spills. In 1985, Korkay, Inc. replaced two underground storage tanks used for fuel oil and various bulk chemicals with above ground storage tanks.

During 1992 and 1993, the NYSDEC conducted another site inspection which resulted in an Interim Remedial Measure (IRM). Drums of hazardous wastes were stored and secured and a fence was erected around the rear of the property to control unauthorized access to the property. In 1993, the NYSDEC began RI/FS of the Korkay site.

The RI was performed in two phases. The first phase was conducted between September 1993 and April 1994 while the second phase was conducted between October 1994 and May 1995. The reports entitled *Final RI Report*, Camp, Dresser and McKee (CDM), dated April 1994 and *Final Phase II RI Report*, CDM, dated May 1995 describe the field activities and findings of the RI in detail.

To determine which media contain contaminants at concentrations of concern, the analytical data obtained from the RI was compared to Standards, Criteria, and Guidance (SCGs). Groundwater, drinking water and surface water SCGs identified for the site were based on NYSDEC Ambient Water Quality Standards and Guidance Values. Soil and sediment SCGs for the site were based on NYSDEC soil cleanup guidelines for the protection of groundwater, background conditions and risk-based remediation criteria. Contaminants of concern (COC) identified in the soil and groundwater above SCGs included VOCs, semivolatile organic compounds (SVOCs) and pesticides. No COCs were identified in surface water or sediment. Based upon the limited amount of data generated from on-site air quality monitoring during the RI, ambient air quality did not appear to be adversely affected by the site at this time. However, due to the proximity of neighboring residences, air quality monitoring was required during remedial construction.

As part of the RI, the Site was divided into six areas as follows: Area 1, the southwest quadrant of the site, contained the greatest levels of reported contaminants. Area 2, the northwest quadrant of the site, contained VOCs and pesticides. Area 3, the northeast quadrant of the site, was reported to contain contaminants in concentrations below SCGs. Area 4 was paved, and therefore was not expected to exhibit evidence of contaminants in concentrations ecceeding SCGs. Samples from off site (Area 6) were collected for analysis in order to provide background concentrations for comparison with concentrations reported for onsite samples.

Results by area as stated in the *Final RI Report*, CDM, April 1994:

- Area 1 was characterized as a source area of VOCs, SVOCs and metal contamination;
- Area 2 was characterized as a source area of VOCs, SVOCs, pesticides and metal contamination;
- Area 3 was characterized as a source area of pesticides, PCBs and metal contamination;
- Area 4 stained soils were characterized as a source area of metals (calcium, lead, mercury);
- Area 5 was characterized as a recipient of contaminants from the site;
- The primary potential source of contamination of the uppermost water-bearing zone is the contaminated soil primarily located in Areas 1 and 2, and to a lesser degree, Area 3. Off-site groundwater contamination of VOCs and SVOCs was evident at MW-6S; no pesticide contamination has been found off site;
- Organic contamination is not evident in the water-bearing unit below the aquitard; and
- Inorganic contamination at levels exceeding SCGs in both water-bearing zones includes iron, manganese and, less frequently, sodium. The source of elevated metals and specifically chromium (in well MW-4D) is unknown.

Summaries of the areal extent of contamination in 1994 for VOCs, SVOCs and pesticides in soil are shown in Figures 2-1, 2-2 and 2-3, respectively.

#### 2.3 CLEAN-UP GOALS AND SITE CLOSURE CRITERIA

As described previously, the overall remedial goals as specified in the March 1996 ROD are:

- 1) To eliminate, to the greatest extent possible, on-site soils as a source of groundwater contamination; and
- 2) To eliminate or reduce human exposure to on-site soils contamination.

The long-term goal for groundwater is to reduce concentrations "to the extent practical based on technological limitations" to levels below SCGs. Groundwater COCs as identified in the ROD are presented in Table 2-1 along with previous and current SCGs. The SCGs for groundwater presented in the ROD were taken from the NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values dated October 22, 1993. The Ambient Water Quality Standards updated in June 1998 are considered to be the appropriate SCG for the groundwater at the Korkay Site for the RSO.

The COCs for site soils as identified in the ROD are presented in Table 2-2 along with previous and current SCGs. The SCGs for soils presented in the ROD were taken from NYSDEC Technical and Administrative Guidance Memorandum (TAGM) HWR-94-4046 dated January 24, 1994. In December 2006, the NYSDEC promulgated 6 NYCRR Part 375 that established new SCGs for sites administered under the State Superfund Program. The Part 375 regulations contain varying levels of cleanup criteria, the most conservative are for Unrestricted Use. The Unrestricted Use, which provides for protection of groundwater, human health and the environment, are considered appropriate for the soils and are presented in Table 2-2.

#### 2.4 PREVIOUS REMEDIAL ACTIONS

The elements of the ROD remedy were as follows (NYSDEC, 1996):

- 1) Excavation and off-site disposal of approximately 145 cubic yards of contaminated surface soil.
- 2) Demolition and disposal of the building.
- 3) Backfilling excavated areas with clean fill that was to be compacted, graded and covered with vegetation to reduce infiltration of rainwater and reduce erosion.
- 4) Conduct SVE (with optional air sparging or site dewatering) for a period of up to six months. The SVE system was to treat soil in Area 1, the alcove area with the highest contaminant levels.
- 5) Perform a remedial design to verify the components proposed in the conceptual design, and provide the details necessary for the construction and OM&M of the remedial program.
- 6) Annually monitor, for a period of five years, the groundwater from two wells for VOCs, SVOCs, and pesticides with a review at five years to determine the effectiveness of the remedy performed.
- 7) Impose dead restrictions to exclude the use of site groundwater for residential or industrial use.

Items 1, 2, and 3 were completed between April and August 1997 by Allstate Power Vac, Inc, under contract to the NYSDEC. During this period, Allstate Power Vac demolished the building and filled in the basement with crushed concrete blocks. Prior to the demolition, all asbestos containing materials were removed and properly disposed. The on-site septic tanks and dry wells were abandoned in-place by filling with sand. All aboveground and underground storage tanks and drummed materials were removed and disposed off-site. Approximately 3,000 cubic yards of demolition debris was taken off-site for disposal. A total of 18 drums of non-contaminated soils were disposed at the Fulton County Landfill. Following completion of the remedial action, the site was graded and reseeded.

Items 4 and 5, the initiation of the SVE system and remedial design program, began in November 1998 and continued until operation of the SVE system ceased in 2003. In December 2003, 10 soil samples were collected from five locations (one each from 0 to 1.5-ft and 1.5-ft to 3.5 ft) from the SVE treatment area. The results indicated that soil VOC levels to a depth of 3.5 feet were below SCGs.

Item 6, annual groundwater monitoring, was performed by CDM in September 1998 for VEW-1, VEW-2 and ASW and in September 1999 for all VEWs and ASW. The NYSDEC assumed responsibility of the Site in July 2000 and took semiannual groundwater samples (Spring and Fall) between March 2000 and September 2002 from all the VEWs, ASW and MW K-2. No groundwater samples were collected between September 2002 and August 2007. The groundwater samples for all rounds were analyzed for VOCs only.

Item 7, deed restrictions for the exclusion of groundwater use, have not been imposed yet for this site.

#### 2.5 DESCRIPTION OF EXISTING EXTRACTION AND TREATMENT SYSTEM

#### 2.5.1 System Description

A mobile treatment unit owned by the NYSDEC was brought to the Korkay, Inc. site for SVE/AS and groundwater pump and treatment. The unit is enclosed in an 18-wheel tractor trailer and is equipped with 1. a SVE system consisting of a blower and two 2,000 pound vapor-phase carbon units and 2. a groundwater treatment system consisting of metal removal tanks, and high-pressure liquid-phase carbon vessels [three parallel chains of three vessels in series (Figure 1-2)]. The SVE blower is a Roots Blower (Model 47 Universal RAI) 7.5 HP, 1750 RPM capable of 200 cubic feet per minute (cfm) at vacuums of up to 14 inches of mercury.

The remedial system well network consists of four vapor extraction wells (VEWs) and one AS well, all located in Area 1 (Figure 1-2). The VEWs are manifolded inside the treatment trailer to a vapor-liquid separator/vacuum pump set-up. Granular activated carbon is used to treat the extracted air prior to its discharge to the atmosphere. All VEWs are constructed of PVC and were installed to a depth of approximately nine feet below ground surface. The screened interval is 5-ft in length, installed approximately 1-ft into the groundwater.

The flow rate and vacuum from each line coming in from the VEWs can be monitored. The pilot study indicated flow rates of between 114 and 143 cfm at vacuums ranging from 25 to 31 inches of water column (IWC) for VEW-1, VEW-2 and VEW-3. The flow rate and vacuum from VEW-4 was 43 cfm at 10 IWC. The total system flow was between 160 and 180 cfm. No long term SVE monitoring data was made available for review during the RSO study.

#### 2.5.2 Operation, Maintenance and Monitoring Program

An Operation and Maintenance (O&M) plan was prepared by CDM and submitted to NYSDEC in January 1999. Major elements of the monitoring plan are summarized below:

Sample Port ID/ Location	No. Of Samples	Frequency	Analyses
Vapor Extraction System			
1) Primary carbon unit influent	1	monthly	NI0SH 1501
-		2/ month	Total VOCs
		(middle & end)	w/ OVM meter
2) Primary carbon unit effluent	1	monthly	NI0SH 1501
•		2/ month	Total VOCs
		(middle & end)	w/ OVM meter
3) Secondary carbon unit effluent	1	2/month	Total VOCs
(system discharge)			w/ OVM meter
4) Individual well streams	4	weekly	Total VOCs
(VEW-1 – VEW -4)		·	w/ OVM meter
Groundwater Withdrawal System			
5) Carbon system effluent	1	monthly	USEPA 8010/8020
•		·	USEPA 625/ 608
6) Individual well stream- untreated	1	monthly	USEPA 8010/ 8020

Operation of the SVE system began in November 1998. In July 2000, the contract with CDM expired and the NYSDEC took over site operation. Operation of the SVE was discontinued in 2003.

#### 3.0 SYSTEM PERFORMANCE REVIEW

#### 3.1 SVE/AS TREATMENT SYSTEM PERFORMANCE (1998-2003)

Prior to the startup of the SVE system in November 1998, baseline soil and groundwater samples were collected. Soil samples were collected from six locations in August 1998. Samples were collected at 2-ft intervals to a depth of 10-ft below ground surface (bgs). The soil samples contained levels of VOCs above SCGs: two samples exceeded SCGs at the 4- to 6-ft interval; three samples exceeded SCGs at the 6- to 8-ft interval; and all six samples exceeded SCGs at the 8- to 10-ft interval. The primary COCs were benzene, toluene, ethylbenzene, and xylene (BTEX) and to a lesser extent chlorinated hydrocarbons. In September 1998, groundwater samples were collected from VEW-1, VEW-2 and the ASW (VEW-3 and VEW-4 had insufficient volume to collect a sample). All three samples had SCG exceedances of BTEX (mostly xylene) and chlorinated hydrocarbons [trichlorethene (TCE) and 1,2-dichloroethene (DCE)].

Operation of the SVE system began on November 6, 1998. Operation of the AS system was initiated in May 1999. Due to difficulties posed by water freezing in the SVE lines, the system was not operated during winter months (December through March). The SVE/AS system was operated through 2003. At the time of startup, organic vapor analyzer (OVM) readings from the VEWs ranged from 23 to 241 ppm. Vacuum readings from each of the VEWs ranged from 9.5 to 12 inches water column (IWC). No measurements of system flow or individual well flows were available for review as part of the RSO study.

The SVE treatment system was monitored weekly and sampled monthly during operational periods. Minor adjustments to vacuum levels were made to maintain the levels achieved during the pilot study. Some groundwater was extracted from the VEWs during heavy rain events and high groundwater conditions. Air samples collected from the SVE influent and effluent did not provide reliable contaminant concentrations. Tedlar bags were then utilized for the collection of air samples.

Between November 1998 and April 1999, the ASW was used for groundwater pumping to depress the water table. The pump removed approximately 1 gallon per minute (gpm). The extracted groundwater was treated though the bag filters and liquid-phase carbon units prior to discharge to a storm water catch basin on West Main Street. Discharged water was monitored according to the State Pollution Discharge Elimination System (SPDES) permit issued by the NYSDEC.

In May 1999, the groundwater pump was removed and air was injected through the ASW at a pressure of 3 pounds per square inch (psi). The treatment unit continued to be operated in SVE/AS mode until January 2000 when extreme cold temperatures froze the SVE lines. The system was restarted on March 2, 2000. In July 2000, the NYSDEC work assignment allowing CDM to operate and maintain the SVE/AS system expired and the NYSDEC assumed ownership of O&M. In the NYSDEC periodic review (July 14, 2000), the NYSDEC submitted a request to reclassify the site from Class 2 to a Class 4. A periodic review by the NYSDEC in December 2001, shows that the AS portion of the SVE system was not operated for 2 months in 2002 and removed 711 gallons of groundwater. The NYSDEC recommended that the SVE/AS continue to be operated in 2003 and confirmatory samples be collected for SVE shut down. The site was still classified as Class 2 at this time. In December 2003, 10 soil samples were collected from five locations (one each from 0 to 1.5-ft and 1.5-ft to 3.5-ft) from the SVE treatment area. The results indicated that all VOC levels were below SCGs for these shallow soils.

The reviewed documents did not provide an estimate of the total amount of mass removed by the SVE system.

#### 3.2 CURRENT CONDITIONS: SUBSURFACE SOIL SUMMARY

To evaluate the effectiveness of the SVE/AS system, soil samples were collected using a geoprobe rig on August 6, 2007 from within close proximity of the six boring locations established during the baseline SVE system sampling event in August 1998 (Figure 3-1). Soil samples were collected from three separate intervals: 4- to 8-ft bgs (unsaturated soils); 8- to 12-ft bgs and 12- to 16-ft bgs (saturated soils). Field notes are presented in Appendix A. All soils samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270) and TOC. The analytical results for parameters that were detected in at least one of the samples are summarized in Table 3-1 (laboratory data results are provided in Appendix B). The analytical results were compared with current SCGs for the Site (i.e., Unrestricted Use Soil Cleanup Objectives from 6 NYCRR Subpart 375-6, December 14, 2006). In addition to the chemical analyses, four of the soil samples collected from the 8- to 12-ft bgs samples (ASW, VEW-1, VEW-3, and VEW-4) were analyzed for eubacteria, methanotrophs, and soluble methane monooxygenase (sMMO). Biological results are summarized in Table 3-2 (laboratory data results are provided in Appendix C). Analyses of these soil sample results are described in the below sections for total VOCs, individual VOCs and SVOCs, and biological parameters.

#### 3.2.1 Total VOCs

Total VOCs (TVOCs) are the summation of all the detected individual VOCs as shown in Table 3-1. The TVOCs varied by depth as illustrated in Figure 3-1, which shows the TVOC isopleths for each sampling location for the three sample intervals (4-8-ft, 8-12-ft and 12-16-ft).

For the 4-8-ft interval, the unsaturated region, the only elevated TVOC level was VEW-3/4 at 310.2 mg/kg, the highest concentration detected across the three sampling depths (18 samples). The TVOCs for the other five borings ranged from 0.0 to 0.2 mg/kg. Each of the five borings was advanced in close proximity to the estimated location of a former ASW or VEW treatment well (i.e., within a few feet), while VEW-3/4 was advanced at the approximate midpoint between VEW-3 and VEW-4. This would indicate that the area around VEW-3/4 was not greatly influenced by the vacuum applied at VEW-3 and VEW-4.

For the 8-12-ft interval, the saturated sand unit, the lowest TVOC was at the ASW location (8.6 mg/kg), which would be expected, since air injected into this region would have biodegraded or volatilized the COCs. The remaining other sampling points had TVOCs ranging from 14.3 to 178.9 mg/kg.

The 12-16-ft region, which consists of the saturated silty clay soils, had TVOCs ranging from 0.1 to 0.8 mg/kg. These concentrations indicate that the contamination associated with the 4-8-ft and 8-12-ft zones did not penetrate into the silty clay layer, which acts as an aquitard between the upper water bearing unit (8-12-ft bgs) and the lower water bearing unit (below 40-ft bgs).

A comparison of the pre-startup (1998) and post-shutdown (2007) soil samples was made to evaluate the efficacy of the SVE/AS system in the treatment area. Note that the comparison is not precise since the 1998 data analyzed soils at 2-ft intervals starting at the ground surface and extending down to 10-ft bgs, whereas the RSO 2007 samples were collected at 4-ft intervals extending from 4- to 16-ft bgs. For this comparison, the unsaturated samples from 6-8-ft (1998) were compared to the 4-8-ft samples (2007), and the saturated soils from 8-10-ft (1998) were compared to the 8-12-ft samples (2007). No samples were collected below 10-ft bgs in 1998, so the 12-16-ft samples from 2007 were not included in the comparative evaluation. In addition, Table 4-2 (Pre-Startup Soil Contaminant Concentrations, included in Appendix D) from the Remedial Construction Certification Report for the Korkay, Inc. Site (CDM, May 2000) included only detected compounds with SCGs. For the following evaluation, only the compounds (i.e., total BTEX) presented in the 2000 Report were included. Therefore, the totals from comparison will, in most cases, be lower than those shown in Table 3-1 or presented in Figure 3-1.

When compared to the 1998 soil data, the results from the 2007 samples show that the SVE/AS was effective in reducing VOC concentrations in the areas closest to the VEWs, but that "dead zones" exist in the areas between the VEWs. The BTEX concentrations decreased in all the samples adjacent to the VEWs (Figure 3-2) to levels below 1.0 mg/kg with the exception of VEW-3/4 (advanced in an apparent "dead zone"), which actually showed a slight increase. The 8-12-ft interval showed a decrease in all the soil sampling locations (Figure 3-3). Average BTEX concentrations were also evaluated and are shown in Figure 3-4. The average concentration of BTEX in the unsaturated zone decreased by 96.9% from 36.4 mg/kg to 1.1 mg/kg. The average concentration in the saturated zone decreased from 28.5 mg/kg to 7.1 mg/kg, a decrease of 75.3%, slightly lower than in the 4-8-ft zone. This would be expected since an SVE system targets unsaturated soils, while an AS system, which targets saturated soils, was operated for a shorter time period, and used only a single injection point in a network of four vapor-extraction wells. The VOC mass removed from the soil between the 1998 and 2007 sampling events was also estimated based on the volume of the treatment area (assumed 60-ft by 60-ft by 4-ft thick) and the average concentration of VOCs in the soils. The reduction in overall contaminant mass, as shown in the below table, is greater than 87 percent. The total mass of contaminants in the 4-12-ft zones of 157 pounds was reduced by over 137 pounds. The majority of the reduction occurred in the 4-8-ft region through the SVE system, while an almost equal reduction of 75% occurred in the 8-12-ft region through the combined remedial efforts of air sparging, groundwater extraction, and natural attenuation.

	Total BTEX Mass (lbs)							
	4-8-ft bgs	8-12-ft bgs	Combined					
Pre-Startup (1998)	88.3	69.1	157.4					
Post-Shutdown (2007)	2.7	17.1	19.9					
Reduction (lbs)	85.5	52.0	137.6					
% Reduction	96.9%	75.3%	87.4%					

In addition to TVOCs, an analysis of total chlorinated VOCs (TCVOCs) was also performed. Similar to the TVOCs, TCVOCs from the 1998 pre-startup soil sample results were summed from Table 4-2 (Pre-Startup Soil Contaminant Concentrations) from the Remedial Construction Certification Report for the Korkay, Inc. Site (CDM, May 2000). The concentrations of the same chlorinated hydrocarbons were then summed from the 2007 sample results. Figures 3-5 and 3-6 show a comparison of the TCVOCs between the 1998 and 2007 sample results for the 4-8-ft interval and 8-12-ft interval, respectively. The resulting trends are similar to those of the TVOCs: the unsaturated zone showed a reduction in all the wells with the exception of VEW-3/4, which showed an increase, and the saturated zone showed a significant reduction in three borings, while the remaining borings showed a slight increase. Residual TCVOCs in the saturated zone were in the range of 0.1 to 1.5 mg/kg.

#### 3.2.2 Individual Compounds

TVOC trends provide a basis for evaluating the efficacy of the remedial efforts used to date, but in order to obtain full closure of the site, the individual VOCs need to be lower than their specific SCGs. Table 3-1 summarizes the detected compounds from the 2007 soil sampling event and compares the results to the SCGs. In the unsaturated region (4-8-ft), only one of the six soil samples (VEW-3/4) exhibited VOCs above the SCGs. (As mentioned previously, VEW-3/4 was the only sample collected at a distance of more than a few feet from one of the VEWs.) The compounds above the SCGs are primarily petroleum-related (e.g., BTEX), with the exception of one chlorinated hydrocarbon (1,2-dichlorobenzene). In the sandy saturated region (8-12-ft), four of the six soil samples (VEW-1, VEW-2, VEW-3 and VEW-3/4) have at least one compound that exceeded SCGs. At three of these locations, only xylene exceeded SCGs. The fourth well had several exceedances of petroleum-based compounds and a single chlorinated hydrocarbon (1,2-dichlorobenzene). No SCG exceedances of VOCs were found in any of the saturated

silty clay layer samples (12-16-ft). This demonstrates that contamination in the sandy unit has not materially impacted the tighter, underlying silty clay aquitard.

Individual SVOCs were detected in many of the soil samples, primarily in the 8-12-ft interval and to a lesser extent in the 4-8-ft interval. Only one SVOC was detected in a single sample collected from the 12-16-ft interval. Of the numerous detected compounds, only one – naphthalene in sample VEW-3/4 (8-12-ft) – exceeded the applicable SCGs. Naphthalene, a double-ringed hydrocarbon that can be considered either a heavy VOC or lighter SVOC, is reported both by Method 8260 and Method 8270. In consideration of this, SVOCs do not appear to be COCs in the soil at the Site.

Figure 3-7 summarizes the 2007 sampling event of all the analytes detected above the SCGs along with the respective concentration.

#### **3.2.3** Biological Results

The objective of the biological analyses was to help determine if in situ enhanced bioremediation would be effective on site contaminants. Four of the soil samples collected from the 8 to 12-ft interval samples (ASW, VEW-1, VEW-3, and VEW-4) were analyzed for eubacteria (EBAC), methanotrophs (MOB), and soluble methane monooxygenase (sMMO). The analyses were intended to quantify the total amount of bacteria present in the soil (eurobacteria), the amount of methane-degrading bacteria (methanotrophs), and the presence of the enzyme specific for degrading chlorinated hydrocarbons (sMMO). The analyses of the above bacteria/enzymes would be used determine if enhanced biodegradation of the chlorinated hydrocarbons would be feasible.

The soil sample analyses indicated that while VOC contamination persists, the contamination is primarily related to petroleum, which is more amenable to aerobic degradation than chlorinated hydrocarbons. The total bacteria population ranged from 1.8E+06 to 1.5E+07 cells/gram, with the highest counts from VEW-4. There appears to be a correlation between TOC and EBAC with higher TOC levels having higher EBAC counts. Methane-degrading bacteria ranged from 3.2E+00 to 2.7E+04 cells/gram with significantly higher counts found in VEW-1 and VEW-4. No reason for this trend could be developed based on the information collected. The reductive dechlorinating enzyme sMMO was only detected in VEW-4 and only at a level slightly above the method quantification limit. Using this information, in situ enhanced bioremediation appears to be applicable at the site for treatment of residual VOC contamination that is primarily petroleum-related.

#### 3.3 CURRENT CONDITIONS: GROUNDWATER SUMMARY

In order to evaluate the effectiveness of the Site's groundwater remedial system, an attempt was made to assemble and tabulate historical groundwater data. The below list is a summary of the groundwater data and the results available for compilation:

- Phase I RI October 1993 9 Wells (MWs) for VOCs, SVOCs, metals (CDM, 1994)
- Phase II RI October 1994 9 Wells (MWs) for VOCs, SVOCs, metals (CDM, 1994)
- System OM&M August 1998 3 Wells (VEWs/ASW) for VOCs (CDM, 2000)
- System OM&M August 1999 5 Wells (VEWs/ASW) for VOCs (CDM, 2000)
- System OM&M March 2000 5 Wells (VEWs/ASW) for VOCs (NYSDEC, 2003)
- System OM&M May 2000 2 Wells (VEWs/ASW) for VOCs (NYSDEC, 2003)
- System OM&M August 2000 5 Wells (VEWs/ASW) for VOCs (NYSDEC, 2003)
- System OM&M October 2000 6 Wells (VEWs/ASW/K-2) for VOCs (NYSDEC, 2003)
- System OM&M May 2001 6 Wells (VEWs/ASW) for VOCs (NYSDEC, 2003)
- System OM&M December 2001 5 Wells (VEWs/ASW/K-2) for VOCs (NYSDEC, 2003)
- System OM&M April 2002 2 Wells (ASW/K-2) for VOCs (NYSDEC, 2003)
- System OM&M September 2002 6 Wells (VEWs/ASW/K-2) for VOCs (NYSDEC, 2003)

 Groundwater Sampling – August 2007 – 15 Wells (MWs/VEWs/ASW) for VOCs, SVOCs, monitored natural attenuation parameters, bacteria (Earth Tech, 2007)

#### 3.3.1 Groundwater Sampling Methodology

The 12 wells sampled during the August 2007 sampling event included ASW, Flushmount, K-2, K-3 (MW K13), MW 8-S, MW 8-D, MW 15-S, MW 15-D, VEW-1, VEW-2, VEW-3, and VEW-4. Prior to purging each well, a depth-to-water measurement was taken using a water level indicator, which was washed in a liquinox bath and rinsed with distilled water before each use. Each monitoring well was purged of three well volumes with either a peristaltic pump using new tubing, or with a dedicated bailer. Purge water was disposed of on the ground in the immediate vicinity of each well. The pump was decontaminated after purging/sampling each monitoring well by a liquinox bath and a distilled water rinse.

After purging, temperature, conductivity, pH, turbidity, color and odor of the water were recorded on the well development/purging logs (Appendix E). Water samples were obtained with new dedicated poly bailers or a peristaltic pump. In the event that a peristaltic pump was used for sampling, new tubing was used for each sample. All groundwater samples were collected in bottles provided by the laboratory. Samples were packed on ice, and submitted with a completed Chain-of-Custody (CFC) form to Mitkem Corporation located in Warwick, Rhode Island. Each sample was analyzed for VOCs by method 8260, SVOCs by method 8270, CLP dissolved and total metals (iron, manganese and copper) by SW6010, chloride by method E300IC, nitrogen (TKN) by SM4500, TOC by method 415.1 and alkalinity by SM 2320. The laboratory report is presented in Appendix F. In addition to the chemical analyses, four of the groundwater samples collected from ASW, VEW-1, VEW-3, and VEW-4) were analyzed for eubacteria, methanotrophs, and sMMO. The biological laboratory report is presented in Appendix C.

#### 3.3.2 Groundwater Flow

Water level measurements were obtained prior to sampling the wells. These depth-to-water measurements were converted to elevations using top-of-casing elevations for several wells, as presented in the RI report. No elevation data were available for the four VEWs and the one ASW.

The elevation data and water table map are presented as Figure 3-8. Only the shallow wells were contoured. This August 2007 data indicate that groundwater flows from north to south, consistent with the October 1994 data presented in the RI report (CDM, 1995).

#### 3.3.3 TVOC and SVOC Results

The analytical results for the August 2007 groundwater sampling event are presented in Table 3-3. Total VOC isoconcentration contours for the shallow groundwater based on the August 2007 sampling event are shown in Figure 3-9. The highest concentrations of TVOCs exceed 1,000  $\mu$ g/l and extend from the source area ASW and VEW-1 south to the off-site and downgradient well MW 8-S. The width of the contaminant plume appears limited on site, but since no other downgradient wells besides MW 8-S exist, the lateral spreading of the plume is not possible to predict.

The concentrations of TVOCs within the source area are much lower than those measured prior to the startup of the SVE system. As shown in Figure 3-10, the TVOC levels in VEW-1, VEW-2 and ASW were all greater than 2,500  $\mu$ g/L in August 1998 and then dropped below 1,000  $\mu$ g/L in the September 2002. The 2007 sample data showed that VEW-1 and ASW have rebounded to above 1,500  $\mu$ g/L while the level in VEW-2 has not rebounded. Overall, TVOC concentrations have decreased approximately 80 percent between 1998 and 2007 in these three wells.

Figure 3-11 shows isoconcentration contours of total BTEX for the August 2007 sampling results. The BTEX distribution is similar to that of total VOCs, with the highest levels of total BTEX existing in the three source area wells VEW-1, VEW-3 and ASW (262 to 624  $\mu$ g/L) along with similar concentrations in

the downgradient well MW 8-S (338  $\mu$ g/L). A comparison of total BTEX concentration extending along a groundwater flow path from MW 15-S though K-2 and ending at MW 8-S is shown in Figure 3-12. Note that the only data available for these three wells are from the RI investigations (1993 and 1994) and the August 2007 sampling event. These plots show very little change in the two upgradient wells MW 15-S and K-2 as these levels have remained at or below 50  $\mu$ g/L. Downgradient MW 8-S initially showed a significant increase between 1993 and 1994 followed by a 68 percent reduction to 338  $\mu$ g/L in 2007. This decrease can be attributed to a combination of the reduction of mass in the source area and natural attenuation of the downgradient plume.

A contour map showing the distribution of total chlorinated hydrocarbons was prepared (Figure 3-13). The highest concentrations are again in the source area (VEW-1, VEW-2, VEW-3 and ASW) at levels between 36 and 160  $\mu$ g/L. However, unlike total BTEX, the concentrations of chlorinated hydrocarbons are much lower in the downgradient well MW 8-S, which would suggest that the source of chlorinated VOCs is no longer present in the soils, as was shown in the soil samples. The compound detected with the highest concentrations was cis-1,2-dichloroethene. Figure 3-14 shows the historical groundwater sampling data for chlorinated hydrocarbons in wells MW 15-S, K-2 and MW 8-S. At each well, there has been a decrease in the concentrations of chlorinated hydrocarbons, the most pronounced occurring in K-2, where the levels dropped from 234  $\mu$ g/L to 7  $\mu$ g/L, suggesting that the source of CVOCs has been reduced, which is also supported by the soil data.

No groundwater data was collected in the VEWs and ASW prior to 1998, since these wells had not yet been installed. During the system operation, groundwater samples were collected and analyzed for VOCs (see Section 3.3). The only data available for review during the RSO for the 2000 to 2002 period was for total VOC and two compounds [i.e., total xylene and total 1,2-dichloroethene (DCE)]. Using the available data, the historical plot of total DCE, shown in Figure 3-15, indicated that the levels of total DCE has decreased by over 70 percent in the source area groundwater, with the greatest reduction of 98 percent being realized in VEW-2. The "current" concentration of total DCE ranges from 39 to 130  $\mu$ g/L in wells VEW-1, VEW-2 and ASW, still much higher than the SCG of 5  $\mu$ g/L.

#### 3.3.4 Individual Compounds

Table 3-3 lists the compounds that were detected at least once for any of the sampled groundwater wells, with concentrations exceeding their respective SCG shaded. Figures 3-16 and 3-17 summarize all the compounds detected above the SCGs for the individual wells. The wells with the most exceedances and with the highest concentrations are those located in the source area (VEW-1, VEW-3, ASW) and the off-site downgradient well MW 8-S. The compounds with exceedances are primarily petroleum hydrocarbons (e.g., ethylbenzene, toluene, xylene, trimethylbenzenes) with lesser amounts of chlorinated hydrocarbons (i.e., 1,2-dichlorobenzene, cis-1,2-dichlorobenzene. These were detected in five wells (ASW, MW 8-S, VEW-2, VEW-3 and VEW-4). Well VEW-4 also had two additional SVOCs detected: phenol and 2,4-dimethylphenol. The compounds with the highest concentrations in the groundwater and also the greatest exceedences were total xylene and total trimethylbenzene. These compounds also exhibited the highest concentrations in soils (note: trimethylbenzene does not have an SCG for soil).

The deep wells at the site showed at most only trace concentrations of VOCs or SVOCs.

#### **3.3.5** Biological Results

The objective of the biological analyses was to determine if in situ enhanced bioremediation would be applicable for the site contaminants. Four groundwater samples (ASW, VEW-1, VEW-4, and K-2) were analyzed for EBAC, MOB, and sMMO. The analyses were intended to quantify the total amount of bacteria present in the water (eurobacteria), the amount of methane-degrading bacteria (methanotrophs)

and the presence of the enzyme specific for degrading chlorinated hydrocarbons (sMMO). Results are summarized in Table 3-4.

The total bacteria in the sampled wells ranged from 6.3E+04 to 6.6E+06; ASW had counts two orders of magnitude below the other wells. Moreover, ASW did not have any methanogenes or sMMO detected Well K-2, on the other hand, has the highest total bacteria counts in addition to the highest counts of methane reducers and the enzyme sMMO. This would indicate that despite having the highest dissolved TVOC concentrations, the hydrocarbon degradation is limited in well ASW, while at well K-2, a sizable bacteria population appears capable of degrading both petroleum and chlorinated hydrocarbons.

#### 4.0 FOCUSED FEASIBILITY STUDY

#### 4.1 DEVELOPMENT OF REMEDIAL ACTION OBJECTIVES

In order to evaluate remedial options for the Korkay site, the following remedial action objectives (RAOs) were used:

- Mitigate the potential threat to human health and the environment posed by contaminants in the groundwater, soil and indoor air.
- Mitigate the migration of groundwater contaminants, and
- Minimize requirements for long-term controls that could impact possible future use of the site.

#### 4.2 ALTERNATIVES EVALUATION

As part of the alternative evaluation and to be consistent with the National Contingency Plan and NYSDEC Guidance on preparation of RI/FS reports (TAGM 4030 Selection of Remedial Actions at Inactive Hazardous Waste Sites), the remedial alternatives will be briefly screened and the technologies carried forth will be evaluated with the seven criteria in TAGM 4030.

#### 4.3 EVALUATION CRITERIA

NYSDEC TAGM 4030 on selection of remedial actions (NYSDEC, 1989; revised, 1990) presents seven criteria to be used for evaluating remedial alternatives that have passed the preliminary screening process. These criteria are as follows:

- Compliance with SCGs;
- Overall protection of human health and the environment;
- Short-term effectiveness;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility or volume through treatment;
- Implementability; and
- Costs (capital, annual operation and maintenance, present worth).

The National Contingency Plan (NCP) establishes two tiers to the above seven criteria. The first two are threshold factors and the next five are primary balancing factors. Additionally, community acceptance would be considered as a modifying consideration. These tiers are reflected in the detailed analysis. Descriptions of the seven criteria are provided below.

#### 4.3.1 Compliance with SCGs

This evaluation criterion is used to assess compliance with promulgated chemical-specific, actionspecific, and location-specific SCGs as defined in the ROD. Proposed remedial action alternatives are analyzed to assess the likelihood that they will achieve the SCGs under Federal and State environmental laws, public health laws, and State facility siting laws, or whether they may be subject to one of the six waivers allowed under the CERCLA. As a threshold factor, an alternative must be compliant with the SCGs (or receive a waiver) to be considered further.

#### 4.3.2 Overall Protection of Human Health and the Environment

This evaluation criterion is designed to determine whether a proposed remedial alternative is adequate with respect to protection of human health and the environment. The evaluation focuses on how each proposed alternative achieves protection over time; how Site risks are eliminated, reduced, or controlled; and whether any unacceptable short-term impacts would result from implementation of the alternative. The overall protection of human health and the environment evaluation draws on the assessments for long-term effectiveness and permanence, short-term effectiveness, and compliance with SCGs. As a threshold factor, an alternative must be compliant with overall protection of human health and the environment to be considered further.

#### 4.3.3 Short-Term Effectiveness

This evaluation criterion is used to assess short-term potential impacts associated with the construction and implementation phase of remediation. Alternatives are evaluated with regard to their effects on human health and the environment. These considerations include:

- Protection of the community during implementation of the proposed remedial action (i.e., dust, inhalation of volatile gases, odors, noise);
- Protection of workers during implementation;
- Environmental impacts that may result from the implementation of the remedial alternative and the reliability of mitigative measures to prevent or reduce these impacts; and
- Times until remedial action objectives are met, including the estimated time required to achieve protection.

#### 4.3.4 Long-Term Effectiveness and Permanence

This criterion addresses the long-term effectiveness and permanence of the remedial alternative with respect to the quantity of residual chemicals remaining at the Site after response goals have been met. The principal focus of this analysis is the adequacy and reliability of controls necessary to manage any untreated media and treatment residuals. Characteristics of the residual chemicals such as volume, toxicity, mobility, degree to which they remain hazardous, and tendency to bioaccumulate must also be examined. Specifically, these considerations are:

- Magnitude of residual risk;
- Adequacy of controls; and
- Reliability of controls.

#### 4.3.5 Reduction of Toxicity, Mobility, or Volume through Treatment

This criterion is used to assess the degree to which the remedial alternative utilizes recycling and/or treatment technologies that permanently decrease toxicity, mobility, or volume of the chemicals as their primary element. It also assesses the effectiveness of the treatment in addressing the predominant health and environmental threats presented by the Site. The specific factors considered under this evaluation criterion include:

- Treatment process the remedy would employ and the materials it would treat;
- Amount of contaminants that would be treated or destroyed;
- Degree of expected reduction in toxicity, mobility, or volume (expressed as a percentage of reduction or order of magnitude);
- Degree to which the treatment would be irreversible;
- Type and quantity of treatment residuals that would remain following treatment accounting for persistence, toxicity, mobility and the tendency to bioaccumulate; and
- Whether the alternative would satisfy the statutory preference for treatment as a primary element.

#### 4.3.6 Implementability

This criterion assesses the technical and administrative feasibility of implementing a remedial alternative and the availability of various services and materials that would be required during its implementation. Factors considered include the following:

• Technical feasibility: includes the difficulties and unknowns relating to construction and operation of a technology, the reliability of the technology (including problems resulting in

schedule delays), the ease of performing additional remedial actions, and the ability to monitor the effectiveness of the remedy.

- Administrative feasibility: involves coordinating with governmental agencies to obtain necessary permits or approvals.
- Availability of services and materials: includes sufficiency of off-site treatment, storage and disposal capacity; access to necessary equipment, specialists and additional resources; potential for obtaining competitive bids especially for new and innovative technologies; and availability of state-of-the-art technologies.

#### 4.3.7 Costs

This criterion assesses the costs associated with a remedial action. It can be divided into capital costs, annual operation and maintenance (O&M) costs, and net present worth costs. Capital costs consist of direct (construction) and indirect (non-construction and overhead) costs.

Direct capital costs include:

- Construction and equipment costs: includes all materials, labor, equipment required to install/perform a remedial action.
- Land and site-development costs: includes land purchase and associated expenses, site preparation of existing property.
- Building and service costs: includes all process and non-process buildings, utility connections, and purchased services.
- Disposal costs: includes all transporting and disposing of materials.

Indirect capital costs include:

- Engineering expenses: administration, design, construction, supervision, drafting, and treatability testing.
- Legal fees and license or permit costs: administrative and technical costs expended to obtain licenses and permits for installation and operation.
- Start up: costs incurred during initiation of remedial action.
- Contingency allowances: costs resulting from unpredicted circumstances (i.e., encountering unanticipated volumes of contaminants, odor control, adverse weather, strikes).

Annual O&M costs are post-construction costs expended to maintain and ensure the effectiveness of a remedial action. The following are annual O&M costs evaluated:

- Labor costs: wages, salaries, training, overhead, and fringe benefits for operational labor.
- Maintenance materials and maintenance labor costs: labor and parts, etc. necessary for routine maintenance of facilities and equipment.
- Auxiliary materials and utilities: chemicals and electricity needed for treatment plant operations, water and sewer services.
- Disposal of residue: disposal or treatment and disposal of residues such as sediments from treatment processes.
- Purchased services: sampling costs, laboratory fees, and professional fees as necessary.
- Administrative costs: costs associated with the administration of O&M that have not already been accounted for elsewhere.
- Insurance, taxes, and licensing costs: liability and sudden accidental insurance, real estate taxes on purchased land or rights-of-way, licensing fees for certain technologies, permit renewal and reporting costs.
- Replacement costs: maintenance of equipment or structures that wear out over time.
- Cost of periodic Site reviews if a remedial action leaves residual contamination.

Net present worth consists of capital and O&M costs calculated over the lifetime of the remedial action and expressed in present day value. For the purposes of this FS, a discount rate of 3 percent was assumed when calculating the net present worth of an alternative. The lifetime of the remedial action is considered to be a maximum of 30 years for costing purposes.

Any remedial action that leaves hazardous waste at a site may affect future land use, resulting in a loss of business activities, residential development, and taxes. This unquantified cost is not included in the cost evaluations for the alternatives that would leave hazardous wastes on site.

#### 4.3.8 Community Acceptance

Community acceptance is a modifying consideration and can only be evaluated in the FS to a limited extent at this time. Typically, these considerations are not taken into account until after the public comment period on the proposed plan and RI/FS report. Comments received from the public are assessed to determine aspects of each remedy that are supported or opposed. However, since a public comment period for the FS has not yet been held, the evaluation presented in the FS at this time is very general. Public comments would be considered if an amendment to the ROD is required.

#### 4.4 SCREENING OF REMEDIAL TECHNOLOGIES

Several technologies could be used to address the subsurface soil and groundwater impacted by VOCs and SVOCs in groundwater and soil. These include monitored natural attenuation, in-situ soil and groundwater treatment, source removal and treatment/disposal, and hydraulic containment using a pump and treat system.

**Monitored Natural Attenuation:** Natural attenuation, as a remedy, is expected to achieve site cleanup objectives within a time frame that is reasonable compared to more active cleanup methods. Monitored Natural Attenuation (MNA) can be used as a stand alone technology or in combination with source control technologies. MNA typically involves refinement of the conceptual site model including sampling of chemical parameters that indicate contaminant breakdown processes and rates. In addition to analyzing for the primary site contaminants, for MNA studies groundwater is analyzed for other indicator parameters such as nitrates, sulfides, oxidation/reduction potential (ORP) and possibly microbiological testing. Supporting a conclusion that natural attenuation is remediating a site depends on multiple lines of evidence that breakdown is occurring at a reasonable rate.

**In-situ Remediation:** In-situ remediation of soil and groundwater is intended to provide a more rapid reduction of contaminant levels than natural attenuation. Numerous technologies are available to reduce organic contaminants in situ including chemical oxidation (peroxide or permanganate injection, ozone sparging), thermally enhanced soil vapor extraction, enhanced bioremediation or bio-sparging and phytoremediation. Since the primary areas of contamination are in the saturated soils, enhanced bioremediation through bio-sparging is retained as a remedial option.

**Source Removal:** Source removal involves excavation of soil or other media impacted by contaminants that have sufficient concentrations to provide a continuing source of impact to groundwater. Since the precise extent of impacted soil is unknown, but may become known through additional investigation, source removal is retained as a remedial option.

**Hydraulic Containment:** Hydraulic containment involves pumping of groundwater to maintain a gradient toward the contamination source or intercepting groundwater migrating from a source, to ultimately prevent down gradient migration of contaminants. Since the contaminated groundwater resides in a relatively thin unconfined aquifer above an aquitard and that the ability of this aquifer to produce water is limited, the hydraulic containment option is not retained as a remedial option.

#### 4.5 PROPOSED REMEDIAL ALTERNATIVES

The following alternatives have been developed and retained for detailed evaluation:

Alternative 1 – No Action

Alternative 2 – Monitored Natural Attenuation

Alternative 3 – In Situ Bioremediation (Biosparging)

Alternative 4 – Source Removal (excavation of soils above SCGs)

#### 4.5.1 Alternative 1 – No Action

A no action alternative is typically retained in a Feasibility Study to compare the relative advantages of active remediation versus the risks associated with leaving the site "as is". No Action is not being considered as a possible remedy for the site but is included for comparison.

#### 4.5.2 Alternative 2 – Monitored Natural Attenuation

This alternative involves monitoring the natural degradation of contaminants in the aquifer system. Refinement of the conceptual site model is recommended for MNA alternatives to characterize the subtle chemical and hydrogeologic changes occurring in the system. Chemical indicators showing a reduction in the primary contaminants (e.g., xylene), the reduction of nitrates and sulfides, and an increase in oxygen-reduction potential (ORP) are required to show the success of MNA as a remedial alternative.

For the purposes of the FS, this alternative would initially involve an annual sampling at 11 wells. The results would be analyzed for VOCs, nitrates, sulfides and TOC. Since contaminants exceeding SCGs would be left at the site for an extended period, use of site groundwater as a drinking water source should be prevented until concentrations are reduced to below drinking water standards.

The existing treatment system at the site would be decommissioned and/or reused at other sites. The carbon contained in the vapor phase carbon units would require disposal off site. The cost associated with this is \$35,300. The O&M costs are estimated to be \$16,000 with a five year review cost of \$12,500. The total present worth cost for this alternative, assuming a 30 year duration, is \$403,100. The basis for this cost estimate is provided in Table 4-1.

#### 4.5.3 Alternative 3 – In Situ Bioremediation

This alternative involves the application of an enhanced bioremediation of the soils and groundwater within the source area. The enhanced bioremediation system will use the injection of air to increase aerobic co-metabolic remediation (i.e, biosparging). The injection of the air will increase the biological population in the area and help to produce enzymes which will break down the VOCs in the soil and groundwater to carbon dioxide and water. The injection wells, spaced at an interval of approximately 25ft across the area shown in Figure 4-1, would be installed with a 1-ft screened interval at a depth of 12-ft (to the top of the silty clay layer). The injection rate is anticipated to be between 0.25 and 0.5 cubic feet per minute. To prevent vapors from migrating off site and also to treat the residual soil contamination in the vadose zone, a series of vapor extraction wells would be placed within the treatment zone. The VEWs would be screened from 5 to 10-ft bgs. The anticipated extraction rate would be 5 to 10 cfm per VEW. The blowers within the existing treatment trailer would need to be either replaced or upgraded. The SVE blower would be sized to extract 60 cfm at 30 inches water column and the biosparging blower would be sized to inject 15 cfm at 8 psi. Extracted vapor would be treated using vapor phase carbon units within the existing treatment trailer. The amount of mass to be extracted through the vapor phase is expected to be minimal, so the vapor phase carbon currently within the carbon units has been assumed to be sufficient. Minimal water is anticipated to be extracted through the system. The system would only be operated between April and October since the degradation rates significantly decrease during the winter months and to prevent freezing of the extraction lines.

For the purposes of the FS, this alternative would initially involve an annual sampling at 11 wells. The samples would be analyzed for VOCs, nitrates, sulfides and TOC. Since contaminants exceeding SCGs would be left at the site for an extended period, use of site groundwater as a drinking water source should be prevented until concentrations are reduced to below drinking water standards.

The capital cost for Alternative 3 is estimated at \$138,000. The annual O&M costs are estimated to be \$33,000 for a total present worth cost, assuming a 10 year duration, of \$443,000. The basis for this cost estimate is provided in Table 4-2.

#### 4.5.4 Alternative 4 – Source Removal

This alternative involves the removal of the all soils exceeding the SCGs. The basic assumption made to estimate the amount of soil that would need to be removed was made by delineating the areas in which the SCGs for protection of groundwater has not yet been attained. The area surrounding the treatment zone of the SVE system has not been completely delineated, so additional sampling would be required to properly characterize the extent of soil contamination.

The amount of soil requiring treatment was determined by assuming that the top six feet of unsaturated soil treated by the SVE no long exceeded SCGs. Groundwater analytical results suggest that the capillary and saturated region from 6-ft to 12-ft bgs still has levels of contamination above the SCGs, and would need to be removed by excavation. This area is shown in Figure 4-1. Therefore, the top six feet of soil would be excavated, removed, and stored to use as backfill. The contaminated soil from 6-ft to 12-ft would then excavated and disposed off site at a permitted landfill. Assuming the area of contaminated soil is 60-ft by 60-ft, then approximately 1,200 tons would be sent off site. The groundwater within the excavated area would need to be extracted, so a temporary water treatment system would be required.

The capital cost for Alternative 4 is estimated at \$240,000. The annual O&M costs are estimated to be \$16,000 for a total present worth cost, assuming a 10 year duration, of \$393,000. The basis for this cost estimate is provided in Table 4-3.

#### 4.6 COMPARISON OF ALTERNATIVES

A comparison of the four alternatives developed for the Korkay site using the seven TAGM 4030 evaluation criteria has been conducted and is summarized as follows:

**Compliance with Standards, Criteria and Guidelines (SCGs):** All of the Alternatives would comply with SCGs because the contaminants are anticipated to naturally attenuate to groundwater standards with time. Alternatives 3 and 4 would comply with SCGs as long as permit requirements are met for any media removed from the site (i.e., air, water or soil). If building construction is implemented in the site vicinity, SCGs associated with vapor intrusion would need to be followed for all the alternatives.

**Overall Protection of Human Health and the Environment:** Alternatives 1, 2, 3 and 4 all rely on natural breakdown of contaminants in the environment over time. Alternative 1 is the least protective as no monitoring would be conducted to determine the rate of contaminant decomposition. Alternative 3 provides an active system to degrade the contamination from the soil and groundwater on the site providing the most protection for human health. Alternative 4 although protective of human health by placing the contaminated soil in a secure landfill would have some short term potential of exposure during the excavation and transportion of the untreated soil.

**Short-term Effectiveness:** Alternative 4 would show the most significant short term impacts since all soils containing contaminants above the SCGs (i.e., source material) would be removed from the site. Alternative 3 would provide better short-term effectiveness than Alternatives 1 and 2 by actively reducing

the contamination within both the source area soils and groundwater. Alternatives 1 and 2 are not effective in the short term.

**Long-term Effectiveness:** Alternatives 3 and 4 have better long-term effectiveness than Alternatives 1 and 2 because these remedies remove and treat a percentage of the mass of contaminants in the system, thereby reducing the time necessary for natural attenuation to bring groundwater levels below the SCGs.

**Reduction of Toxicity, Mobility or Volume:** Alternative 3 would actively treat contaminants sorbed onto the soil and dissolved in the groundwater thereby removing the toxicity, mobility and volume of the contaminants. Alternative 4 would remove all the contaminants from the site and by disposing of soil at a permitted landfill would reduce the overall mobility, but not the toxicity or volume. In Alternatives 1 and 2 (and the portion of the plume naturally attenuating in Alternatives 3 and 4) the contaminants will eventually be reduced in toxicity and volume through natural degradation. The mobility would not be reduced in Alternatives 1, 2 or 3, but as degradation occurs, toxicity and volume are reduced and mobility would no longer be an issue.

**Implementability:** Alternative 2 is the easiest to implement since the monitoring well system is already in place. Alternative 3 would require installation of additional injection and extraction wells as well as modifications to the treatment trailer to house the injection equipment. Alternative 4 is readily implementable since no infrastructure exists over source area soils; the method requires standard construction equipment, and permitted landfills capable of accepting the contaminated soil is available. Alternative 1 is clearly the most implementable but not applicable to this evaluation.

**Costs:** Table 4-4 summarizes the estimated costs for each of the alternatives. No costs are associated with the Alternative 1 (No Action). Each alternative has a capital cost which includes, at a minimum, the modification or decommissioning of the existing treatment trailer. Alternatives 2, 3 and 4 all have operation, maintenance, and/or monitoring costs. A present worth cost based on the anticipated monitoring lifetime using a discount rate of 3 percent was calculated to normalize the long-term costs. Alternative 2 would be the least costly alternative over the project lifetime (30 years) since only monitoring and report preparation are required. Alternatives 3 and 4 are more expensive due to the capital cost involved with setting up the injection system or removing the contaminated soils. Alternative 3 (\$434,000) is 8.5 percent more costly than Alternative 4 (\$400,000) and 7.5 percent more costly than Alternative 2 (\$404,000).

**Community Acceptance:** Alternative 4 would likely be accepted by the community. Despite the short term inconveniences associated with the excavation equipment and trucks, the site would be made available for public use with limited restrictions. Under Alternative 3, a treatment trailer and fence would remain on site, which would continue to limit use of the property. The treatment trailer and fence would be removed under Alternative 2, since no soil exposure risk exists at the site, but the community may oppose residual contamination remaining at and below the water table.

#### 4.7 RECOMMENDED REMEDY

Earth Tech recommends that Alternative 4 – Excavation and Off Site Disposal – be implemented at the Korkay Site. This alternative, while not offering the least expensive option, meets more of the seven TAGM 4030 criteria than the other three alternatives. This treatment will provide short and long term effectiveness while reducing the mobility, toxicity, and volume of the contaminants. Excavation of the source material will remove the contamination entering into the environment effectively reducing the contaminant load to the existing groundwater plume. The use of enhanced bioremediation can not guarantee that all source material can be eliminated. As is inherent with any in situ treatment, isolated pockets of contamination in the saturated soils will continue to provide a source of groundwater contamination. This is evident in the post-confirmation soil sample taken between the VEW-3 and VEW-4 (VEW-3/4) that still had significantly elevated VOC in the unsaturated soils while all the soil samples taken adjacent to the VEWs were much lower.

The latest sampling results from the source area show increasing contaminant concentrations in groundwater. Total VOC concentrations in the 2007 sampling results were reported to be 3372  $\mu$ g/L, and total VOC concentrations in the 2008 sampling results were reported to be 8641  $\mu$ g/L a 168 % increase. The increasing contaminant concentrations in the source area groundwater will continue to disperse and flow offsite if left in place.

Removal of the source area groundwater or destruction of the contaminants during excavation would effectively cut off the contaminant load available to flow offsite. Remediation of the groundwater as well as the soil containing residual contaminants will ensure continued reduction in contaminant concentrations as measured in MW-8S over an extended period. In place treatment of the groundwater during excavation with an oxidizing agent or contaminant removal through the GAC system are options.

#### 5.0 CONCLUSIONS AND RECOMMENDATIONS

#### 5.1 CONCLUSIONS

A SVE system had been operated at the Korkay Site intermittently between 1998 and 2003 to treat VOC contamination in the unsaturated soil (primarily 4-ft to 8-ft bgs). Based on an evaluation of the baseline and post-operation soil samples, the SVE system was found effective in reducing the contaminant mass within this area from approximately 99 pounds to 4.4 pounds (a 95 percent reduction). Of the six post-operation soil samples collected, the only one to have exceedances of the SCGs was the one collected between two treatment wells (VEW-3/4), rather than the other samples that were collected in close proximity to a treatment well. This indicates that soil contamination still exists outside the treatment zone of the VEWs. The only SVOC exceedance was napthalene found at 19 ppm (SCG is 12 ppm) in VEW-3/4 sample. No pesticide analyses were performed on these samples.

An AS system and groundwater extraction system were used to treat the contamination in the sandy, saturated soil (primarily 8-ft to 12-ft bgs). A silty clay unit of varying thickness exists below the sand unit and did not have any VOC or SVOCs detected above SCGs. Based on an evaluation of the baseline and post-operation soil samples, the AS/groundwater treatment system reduced the contaminant mass within this area from approximately 85 pounds to 19 pounds (a 66 percent reduction). Despite the success of the mass removal, several soil samples (VEW-1, VEW-2, VEW-3 and VEW-3/4) still have SCG exceedances of VOCs (primarily xylenes).

The combination of treatment systems has been effective in reducing the concentration of VOCs in the groundwater. For example, groundwater concentrations of TVOCs in the VEWs and ASW when the systems were shut off in 2003 (less than 500  $\mu$ g/L) had decreased by over 90 percent from pre-remediation concentrations (between 2,500 and 8,000  $\mu$ g/L). However, the latest concentrations from these wells measured in 2008, show a rebound in VEW-1 and ASW to levels above 1,500  $\mu$ g/L.

The concentration of TVOCs in the downgradient, off-site monitoring well MW 8-S has decreased by approximately 70 percent from 1,100  $\mu$ g/L as measured during the Phase II RI (1994) to 350  $\mu$ g/L as measured as part of the RSO sampling (2007). The decrease in concentration suggests that the on-site treatment system was effective in reducing groundwater concentrations. If the 70 percent reduction in off-site concentrations observed over the past 13 years is extrapolated, then the time for the present concentrations (350  $\mu$ g/L) to reach SCGs (5  $\mu$ g/L) is estimated to be 15 to 25 years.

A FFS evaluated four alternatives: No Action (Alternative 1); Monitored Natural Attenuation (Alternative 2); Enhanced Bioremediation via biosparging (Alternative 3); and Source Removal via excavation and off-site disposal (Alternative 4). The analysis found that Alternative 4 – Excavation and Off Site Disposal – meets more of the TAGM 4030 evaluation criteria than the other three alternatives. This treatment will provide short- and long-term effectiveness while reducing the mobility, toxicity, and, for the groundwater, the volume of the contaminants. Excavating all the source area soil would effectively remove all contaminated soil and mass from the site, leaving the residual groundwater contamination to degrade under natural conditions. The use of enhanced bioremediation (Alternative 3) would not necessarily ensure that all source material would be degraded. As is inherent with any in situ treatment, isolated pockets of contamination in the saturated soils will continue to provide a source of groundwater contamination. This is evident in the post confirmation soil sample taken between two treatment wells (VEW-3/4) that still had elevated VOCs (310 mg/kg) while all the soil samples taken adjacent to the VEWs were much lower (< 1 mg/kg).

#### 5.2 **RECOMMENDATIONS**

Based on the remedial system evaluation performed on the Korkay Site, Earth Tech recommends the following:

- 1. Perform a limited site investigation to delineate the soil contamination (vertically and horizontally) that would require excavation and off site disposal. The soils should be analyzed for VOCs, SVOCs, and pesticides.
- 2. Implement the recommended remedial alternative soil removal and off site disposal for the remaining contaminated soils above the SCGs for the protection of groundwater.
- 3. Install several downgradient monitoring wells to delineate the extent of off site migration of VOC contamination.
- 4. Continue performing long term monitoring of the groundwater for wells MW 8-S, MW 8-D, K-2, K-3, MW 15-S, MW 15-D and any newly installed monitoring wells. The groundwater samples should be analyzed for VOCs, SVOCs and pesticides.
- 5. The current treatment system should be either reused at another site or decommissioned and recycled. Any residual carbon contained within the vapor-phase or liquid-phase carbon vessels should be removed and disposed off-site.
- 6. Impose a deed restriction on the property until groundwater concentrations have been reduced to levels below the SCGs.

**TABLES** 

#### Table 2-1 Site Specific Standards, Criteria and Guidelines (SCGs) for Groundwater Korkay Site Inc. Broadalbin, New York

	Groundwater SCG (ug/L)						
Contaminant	<b>From <math>\mathbf{ROD}^1</math></b>	Used in RSO <sup>2</sup>					
VOC:							
1,2-Dichloroethene (Total)	5	5					
Benzene	0.7	1					
Ethylbenzene	5	5					
Tetrachlorethene	5	5					
Toluene	5	5					
Trichloroethene (TCE)	5	5					
Xylene (Total)	5	5					
SVOCs:							
1,2-Dichlorobenzene	4.7	3					
2,4-Dichlorophenol	1	1					
2-Methylphenol	5	5					
Di-n-butylphthalate	50	50					
Napthalene	10	10					
Pesticides:							
4,4-DDE	0.01	0.2					
4,4-DDT	0.01	0.2					
Aldrin	0.01	Non detectable					
Beta-BHC	0.05	0.04					
Dieldrin	0.01	0.004					
Endosulfan l	0.1	0.009					
Endrin	0.01	0.2					
Gamma-Chlordane	0.1	0.05					
Heptachlor Epoxide	0.01	0.03					

1. NYSDEC Ambient Water Quality Standards and Guidance Values (TOGS 1.1.1) dated October 1993 as presented in ROD (March 1996)

2. NYSDEC Ambient Water Quality Standards and Guidance Values (TOGS 1.1.1) updated June 1988

#### Table 2-2 Site Specific Standards, Criteria and Guidelines (SCGs) for Soils Korkay Site Inc. Broadalbin, New York

	Soil SC	G (mg/kg)
Contaminant	<b>From</b> $\mathbf{ROD}^1$	Used in RSO <sup>2</sup>
VOC:		
Acetone	0.2	0.05
Ethylbenzene	5.5	1
Tetrachlorethene	0.7	1.3
Toluene	1.5	0.7
Xylene (Total)	1.2	0.26
SVOCs:		
2,4-Dichlorophenol	0.4	NA
Benzo(a)pyrene	0.061	1
Dibenzo(a,h)anthracene	0.014	0.33
Di-n-butylphthalate	8.1	NA
Hexachlorobenzene	0.41	NA
Phenol	0.03	0.33
Pesticides:		
Aldrin	0.041	0.0005
Dieldrin	0.044	0.0005
Endrin	0.1	0.014
Gamma-Chlorane	0.54	NA
Heptachlor Epoxide	0.02	0.042

1. TAGM HWR-94-4046 (Jan. 24, 1994) as presented in ROD (March 1996)

2. 6 NYCRR Subpart 375-6 Unrestricted Use Soil Cleanup Objectives

#### Table 3-1 Soil Sample Results KORKAY INC SITE BROADALBIN, NEW YORK

	866		ASW			VEW-1			VEW-2			
Sample Depth	SCG	4-8'	8-12'	12-16'	4-8'	8-12'	12-16'	4-8'	8-12'	12-16'		
Volatiles (VOCs)			•							•		
1,2,4-Trimethylbenzene	NA	ND	2.4	0.11	ND	48	0.01	ND	14	0.002		
1,2-Dichlorobenzene	1.1	ND	0.073	0.003	ND	1.2	ND	ND	0.29	0.002		
1,3,5-Trimethylbenzene	NA	ND	1	0.035	ND	21	0.004	ND	7.6	0.017		
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND		
4-Isopropyltoluene	NA	ND	0.51	0.008	ND	13	0.001	ND	5.6	0.002		
Acetone	0.05	ND	ND	0.02	ND	ND	ND	ND	ND	ND		
cis-1,2-Dichloroethene	0.25	ND	ND	0.007	ND	ND	0.006	ND	ND	0.006		
Ethylbenzene	1	ND	0.18	0.053	ND	3.8	ND	ND	0.85	0.002		
Isopropylbenzene	NA	ND	0.22	0.009	ND	3.6	0.002	ND	0.9	0.005		
m,p-Xylene	2.6	ND	0.72	0.14	ND	12	0.005	ND	3.9	0.004		
Methylene Chloride	0.05	ND	0	ND	ND	ND	ND	ND	ND	ND		
Naphthalene	12	ND	0.28	0.006	ND	8.8	0.002	ND	2.4	0.002		
n-Butylbenzene	12	ND	0.52	0.015	ND	25	0.003	ND	11	0.008		
n-Propylbenzene	3.9	ND	0.18	0.013	ND	7.4	ND	ND	2.5	0.002		
o-Xylene	2.6	ND	1.2	0.11	ND	7.4	0.006	ND	1.8	0.031		
sec-Butylbenzene	11	ND	0.22	0.007	ND	8.6	0.001	ND	3.7	0.005		
Styrene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Toluene	0.7	ND	ND	0.002	ND	0.078	ND	ND	ND	ND		
Trichloroethene	0.47	ND	ND	ND	ND	ND	0.018	ND	ND	0.002		
Xylene (Total)	2.6	ND	1.1	0.26	ND	19	0.012	ND	5.6	0.034		
TOTAL VOCs		0	8.613	0.798	0	178.878	0.07	0	60.14	0.124		
Semivolatiles (SVOCs)									•			
1,2-Dichlorobenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
1,4-Dichlorobenzene	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2,4-Dimethylphenol	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND		
2-Methylnaphthalene	NA	ND	0.24	0.083	ND	2.1	ND	ND	0.38	ND		
Benzo (b) fluoranthene	1	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Benzo (g,h,i) perylene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND		
bis (2-Ethylhexyl) phthalate	NA	ND	0.06	ND	0.046	0.11	ND	ND	0.056	ND		
Di-n-butylphthalate	NA	ND	0.066	ND	ND	1	ND	ND	0.72	ND		
Fluorene	30	ND	ND	ND	ND	0.044	ND	ND	ND	ND		
Indeno (1,2,3-cd) pyrene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Naphthalene	12	ND	0.094	ND	ND	0.67	ND	ND	0.2	ND		
Phenanthrene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND		
TOTAL SVOCs		0	0.46	0.083	0.046	3.924	0	0	1.356	0		
Wet Chemistry				1								
Total Organic Carbon	NA	820	550	560	890	690	880	1500	640	1000		

Soil samples collected on August 9, 2007.

All data presented in milligrams per kilogram (mg/kg).

SCG = Soil Cleanup Goal, 6 NYCRR Subpart 375-6 Unrestricted Use Soil Cleanup Objectives.

ND - Compound not detected at or above the instrument detection limit (IDL).

NA indicates no standard or guidance value exists for the compound.

BOLD font indicates detected compound, SHADED cell indicates exceedances of SCG.

#### Table 3-1 Soil Sample Results KORKAY INC SITE BROADALBIN, NEW YORK

	900		VEW-3			<b>VEW-3/4</b>			VEW-4	
Sample Depth	SCG	4-8'	8-12'	12-16'	4-8'	8-12'	12-16'	4-8'	8-12'	12-16'
Volatiles (VOCs)		-						-		
1,2,4-Trimethylbenzene	NA	ND	9	0.16	92	11	0.079	0.007	4.3	0.08
1,2-Dichlorobenzene	1.1	ND	0.45	0.01	4.2	0.31	0.004	0.012	0.13	0.002
1,3,5-Trimethylbenzene	NA	ND	7.6	0.061	59	8.2	0.026	0.075	1.9	0.029
1,4-Dichlorobenzene	1.8	ND	ND	ND	ND	ND	ND	ND	0.013	ND
4-Isopropyltoluene	NA	ND	4.8	0.018	ND	1.3	0.008	0.004	0.78	0.008
Acetone	0.05	ND	ND	0.017	ND	0.049	0.17	ND	0.095	0.027
cis-1,2-Dichloroethene	0.25	ND	ND	0.003	ND	ND	0.005	ND	ND	0.002
Ethylbenzene	1	ND	0.73	0.009	3.2	0.64	0.02	ND	0.2	0.024
Isopropylbenzene	NA	ND	0.8	0.01	3.9	0.39	0.004	ND	0.23	0.005
m,p-Xylene	2.6	ND	2.7	0.021	16	2.7	0.099	0.002	1.1	0.11
Methylene Chloride	0.05	0.001	ND	0.002	ND	ND	ND	ND	ND	ND
Naphthalene	12	ND	2.7	0.015	18	1.4	0.029	0.003	0.7	0.018
n-Butylbenzene	12	ND	9.6	0.04	49	ND	0.014	ND	1.3	0.015
n-Propylbenzene	3.9	ND	2.2	0.018	6.3	0.7	0.006	ND	0.54	0.008
o-Xylene	2.6	ND	1.6	0.034	13	1.5	0.05	0.029	0.64	0.051
sec-Butylbenzene	11	ND	2.8	0.016	16	0.76	0.006	ND	0.59	0.006
Styrene	NA	ND	ND	ND	ND	ND	ND	ND	0.017	0.001
Toluene	0.7	ND	ND	ND	0.6	0.11	0.006	ND	ND	0.004
Trichloroethene	0.47	ND	ND	ND	ND	ND	ND	0.002	ND	ND
Xylene (Total)	2.6	ND	4.3	0.055	29	4.2	0.15	0.032	1.8	0.16
TOTAL VOCs		0.001	49.28	0.489	310.2	33.259	0.676	0.166	14.335	0.55
Semivolatiles (SVOCs)							•		•	
1,2-Dichlorobenzene	NA	ND	ND	ND	5.7	ND	ND	ND	0.12	ND
1,4-Dichlorobenzene	NA	ND	ND	ND	0.2	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NA	ND	ND	ND	5.6	ND	ND	0.14	ND	ND
2-Methylnaphthalene	NA	ND	0.58	ND	18	0.36	ND	ND	0.6	ND
Benzo (b) fluoranthene	1	ND	ND	ND	ND	ND	ND	0.058	ND	ND
Benzo (g,h,i) perylene	100	ND	ND	ND	ND	ND	ND	0.059	ND	ND
bis (2-Ethylhexyl) phthalate	NA	ND	ND	ND	0.35	0.08	ND	0.3	ND	ND
Di-n-butylphthalate	NA	ND	0.14	ND	1.4	0.08	ND	ND	0.12	ND
Fluorene	30	ND	ND	ND	0.2	ND	ND	ND	ND	ND
Indeno (1,2,3-cd) pyrene	0.5	ND	ND	ND	ND	ND	ND	0.047	ND	ND
Naphthalene	12	ND	0.42	ND	19	0.17	ND	ND	0.95	ND
Phenanthrene	100	ND	ND	ND	0.17	ND	ND	ND	ND	ND
TOTAL SVOCs		0	1.14	0	50.62	0.69	0	0.604	1.79	0
Wet Chemistry			•	•	-	•				
Total Organic Carbon	NA	660	670	850	1300	1100	3000	14000	1100	440

Soil samples collected on August 9, 2007.

All data presented in milligrams per kilogram (mg/kg).

SCG = Soil Cleanup Goal, 6 NYCRR Subpart 375-6 Unrestricted Use Soil Cleanup Objectives.

ND - Compound not detected at or above the instrument detection limit (IDL).

NA indicates no standard or guidance value exists for the compound.

BOLD font indicates detected compound, SHADED cell indicates exceedances of SCG.

#### Table 3-2 Biological Soil Sample Results KORKAY INC SITE BROADALBIN, NEW YORK

	ASW	VEW-1	VEW-2	VEW-3	<b>VEW-3/4</b>	VEW-4
Sample Depth	8-12'	8-12'	8-12'	8-12'	8-12'	8-12'
sMMO	<1.02E+03	<9.97E+02	NA	<1.34E+03	NA	2.66E+02
EBAC	2.28E+06	3.94E+06	NA	1.83E+06	NA	1.52E+07
MOB (Total)	2.99E+01	1.32E+04	NA	3.28E+00	NA	2.66E+04
TOTAL VOCs	8.6	178.9	60.1	49.3	33.3	14.3
TOTAL SVOCs	0.5	3.9	1.4	1.1	0.7	1.8
Total Organic Carbon	550	690	640	670	1100	1100

Soil samples collected on August 9, 2007 at the 8-12' interval for ASW, VEW-1, VEW-3 and VEW-4.

No soil samples collected at VEW-2 and VEW-3/4 and analyzed for biological parameters.

Biological results shown in cells/gram; VOCs, SVOCs, and TOC shown in mg/kg.

sMMO = soluble Methane Monooxygenase

EBAC = Eubacteria

MOB = Methanotrophs

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

NA = Not Analyzed

				BF	ROADALBIN	I, NEW YO	RK						
	SCG	ASW	Flushmount	K-2	K-3	MW15S	MW15D	MW8D	MW8S	VEW1	VEW2	VEW3	VEW4
Volatiles (ug/L)													
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
1,2,4-Trimethylbenzene	5	130	ND	60	ND	45	ND	ND	430	230	22	130	12
1,2-Dichlorobenzene	3	24	ND	ND	ND	ND	ND	ND	26	23	1	30	2
1,3,5-Trimethylbenzene	5	31	ND	3	ND	36	ND	ND	97	230	1	110	6
1,4-Dichlorobenzene	3	3	ND	ND	ND	ND	ND	ND	3	1	ND	1	ND
2-Butanone	NS	14	ND	ND	ND	ND	ND	ND	ND	13	ND	9	ND
4-Isopropyltoluene	5	39	ND	2	ND	11	ND	ND	20	36	ND	12	ND
Acetone	NS	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	70
cis-1,2-Dichloroethene	5	53	ND	4	ND	ND	ND	ND	9	130	39	4	2
Ethylbenzene	5	65	ND	12	ND	ND	ND	ND	57	29	5	32	ND
Isopropylbenzene	5	49	ND	4	ND	ND	ND	ND	27	11	ND	6	ND
m,p-Xylene	5	320	ND	16	ND	ND	ND	ND	160	49	5	120	4
Naphthalene	10	130	ND	10	ND	1	ND	ND	58	110	6	70	18
n-Butylbenzene	5	60	ND	8	ND	8	ND	ND	45	54	ND	17	ND
n-Propylbenzene	5	74	ND	4	ND	ND	ND	ND	34	14	1	7	ND
o-Xylene	5	210	ND	30	ND	3	ND	ND	120	250	17	110	20
-	5	210	ND	50 6	ND	5	ND	ND	22	230 17	ND	4	ND 20
sec-Butylbenzene tert- Butylbenzene	5	20 ND	ND	ND	ND	ND	ND	ND	ND	4	ND	2	ND ND
2		ND ND		2		2						_	
Tetrachloroethene	5		ND		ND		ND	ND	ND	2	ND	1	ND
Toluene	5	19 ND	ND	ND	ND	13	ND	ND	1	4	3	ND	2
Trichloroethene	5	ND	ND	1	ND	ND	ND	ND	ND	2	ND	ND	ND
Xylene (Total)	5	540	ND	46	ND	3	ND	ND	280	310	22	230	24
TOTAL VOCs	NS	1789	0	208	0	127	0	0	1389	1532	122	895	160
Semivolatiles (ug/L)	2	10	ND	ND	ND	ND	ND	ND	01	25	1	1	<i>.</i>
1,2-Dichlorobenzene	3	19	ND	ND	ND	ND	ND	ND	21	25	1	21	5
1,4-Dichlorobenzene	3	2	ND	ND	ND	ND	ND	ND	2	2	ND	ND	ND
2,4-Dimethylphenol	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	9
2-Methylnaphthalene	NS	50	ND	ND	ND	ND	ND	ND	7	24	ND	2	1
2-Methylphenol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	20
4-Methylphenol	NS	170	ND	ND	ND	ND	ND	ND	14	ND	3	ND	110
bis (2-Ethylhexyl) phthalate	5	2	ND	ND	ND	2	2	2	2	1	1	1	2
Di-n-butylphthalate	50	4	ND	ND	ND	ND	ND	ND	1	15	ND	1	1
Naphthalene	10	110	ND	ND	ND	1	ND	ND	48	110	2	31	23
Phenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20
TOTAL SVOCs	NS	357	0	0	0	3	2	2	95	177	17	56	191
Total Metals (ug/L)													·
Copper	1000	ND	19.1	54.8	8.6	10.4	19.8	18.6	24.5	9.6	ND	7.5	54.5
Iron	600	75100	33000	28500	9600	8870	396	10300	20800	18300	9020	5990	20900
Manganese	600	2260	620	709	1090	155	26.9	259	879	559	582	413	1020
Dissolved Metals (ug/L)													
Copper	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	600	46800	159	5680	380	5910	174	167	9030	5590	866	642	1010
lle a				550	20.3	144	10.6	4.4	765	499	550	351	843
Manganese	600	2080	2.3	550	20.0	1	=				220	001	
Manganese Wet Chemistry (mg/L)	600	2080	2.3	550	2010								
0	600 250,000	2080	2.3	ND	ND	13	ND	41	38	ND	ND	3.1	5.6
Wet Chemistry (mg/L)								<b>41</b> ND	38 17				5.6 87
Wet Chemistry (mg/L) Chloride	250,000	2.6	2.1	ND	ND	13	ND			ND	ND	3.1	

#### Table 3-3 Groundwater Sample Results KORKAY INC SITE BROADALBIN, NEW YORK

Samples collected on August 14, 2007

SCG = New York State Ambient Water Quality Standards (TOGs 1.1.1) GA Standard

ND = Compound not detected at or above the instrument detection limit (IDL).

NS - No Standard or Guidance Value

Detected concentrations shown in bold font. Bold font in shaded cell indicates exceedances of AWQS+GV.

#### Table 3-4 Biological Groundwater Sample Results KORKAY INC SITE BROADALBIN, NEW YORK

Parameter	Units	ASW	VEW-1	VEW-4	K-2
sMMO	cells/mL	<9.66E-01	<1.14+00	<1.45+00	1.26E+03
EBAC	cells/mL	6.31E+04	2.93E+06	1.02E+06	6.60E+06
MOB (Total)	cells/mL	<9.66E-01	<1.14+00	2.87E-01	2.48E+04
Total VOCs	ug/L	1789	1532	160	208
Total SVOCs	ug/L	357	0	191	0
Total Organic Carbon	mg/L	49	35	87	21
TKN-Nitrogen	mg/L	3.1	11	12	2.4
Alkalinity	mg/L	250	160	410	180
Chloride	mg/L	2.6	ND	5.6	ND

Groundwater samples collected on August 14, 2007.

sMMO = soluble Methane Monooxygenase

EBAC = Eubacteria

MOB = Methanotrophs

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

NA = Not Analyzed

## Table 4-1 Alternative 2: Monitored Natural Attenuation - Cost Estimate Summary Korkay Site, Inc Broadalbin, New York

Item	Item Description	Quantity	Unit Cost	Unit	E	xtension
~						
	AL COSTS					
Subcon	tractor Costs		<b>*</b> 40.000		<i>.</i>	40.000
	System demobilization	1	\$ 10,000	LS	\$	10,000
	Off-Site Disposal of Spent Carbon	4,000	\$ 4	LBS	\$	16,000
	SUBTOTAL CAPITAL COSTS				\$	26,000
	15% Engineering and Legal				\$	3,900
	20% Contingency				\$	5,200
	TOTAL CAPITAL COSTS				\$	35,100
ANNU	AL O&M COSTS					
Annual	Groundwater Monitoring (11 Wells)					
	Project Planning and Organizing	1	\$ 1,700	year	\$	1,700
	Field Sampling Labor	1	\$ 5,400	year	\$	5,400
	Sampling Equipment, Shipping, Consumable Supplies	1	\$ 1,200	year	\$	1,200
	Sample Analysis and Data Validation (11 VOCs + QC)	14	\$ 250	year	\$	3,500
	Data Evaluation and Reporting (Annual Report)	1	\$ 4,200	year	\$	4,200
	Total Annual O&M Costs				\$	16,000
OTHE	R COSTS					
	Five Year Review	1	\$ 12,500	LS	\$	12,500
	Total Other Costs					\$12,500
PRESE	NT WORTH CALCULATIONS					
	Total Capital Costs				\$	35,100
	Annual O&M Costs (30 year duration)				\$	313,600
ļ	Five Year Review Costs (at every 5 years over 30 year period	d)			\$	54,400
	Total Present Worth				\$	403,100
	COST TO IMPLEMENT REMEDIAL ACTION ALTER	NATIVE		Assume:	\$	404,000

# Table 4-2 Alternative 3: Enhanced Bioremediation - Cost Estimate Summary Korkay Site, Inc Broadalbin, New York

Item	Item Description	Quantity	Unit Cost		Unit	Extension	
САДІТА	L COSTS						
	actor Costs						
Subconn	Site Preparation/Treatment System Mobilization	1	\$	15,000	LS	\$	15,000
	Source Area Delineation	1	\$	7,500	LS	۹ \$	10,000
	Extraction Well Installation	6	۰ ۶	1,000	EA	۹ \$	6,000
	Injection Well Installation	18	۰ ۶	1,000	EA	۹ \$	21,600
	Above Grade Piping	600	۰ ۶	7.50	LF	۹ \$	4,500
	Treatment System Upgrade		۰ ۶	7,500	LF	۹ \$	
	Electrical Hookup	1	\$ \$	2,500	LS	Դ Տ	7,500
	Initial Sampling Event: Geoprobe	1 2	\$ \$	1,500	DAYS		,
			ֆ \$	-		۶ ۶	3,000
	Initial Sampling Event: Sampling	16		400	EA		6,400
	System demobilization	1	\$	10,000	LS	\$	10,000
	Off-Site Disposal of Spent Carbon	4,000	\$	4	LBS	\$	16,000
	SUBTOTAL CAPITAL COSTS					¢	102 500
	15% Engineering and Legal		-			\$ \$	<b>102,500</b> 15,375
						ֆ \$	20,500
	20% Contingency TOTAL CAPITAL COSTS						
	IUTAL CAPITAL COSTS					\$	138,375
	L O&M COSTS						
	Groundwater Monitoring (11 Wells)						
Annuui C	Project Planning and Organizing	1	\$	1 700		¢	1 700
	Field Sampling Labor	1	\$ \$	1,700 5,400	year	\$ \$	1,700
		1	ֆ \$	1,200	year	۶ ۶	5,400 1,200
	Sampling Equipment, Shipping, Consumable Supplies Sample Analysis and Data Validation (11 VOCs + QC)	114	ֆ \$	250	year	۶ ۶	3,500
	Data Evaluation and Reporting (Annual Report)	14	ֆ \$	4,200	year	Դ \$	4,200
Sustam 0	perations and Maintenance	1	¢	4,200	year	φ	4,200
System O	O&M Labor	12	\$	480	month	\$	5,760
	Replacement parts (injection gases, equipment)	12	۰ ۶	200	month month	۹ \$	2,400
	Confirmatory Soil Samples/Equipment	8	۰ ۶	500		Դ \$	
	Electrical costs	8 12	\$ \$	400	year	ֆ \$	4,000 4,800
	Eleculcal costs	12	\$	400	month	Э	4,800
	Total Annual O&M Costs (Long-term monitoring)					\$	32,960
OTHER	COSTS						
	Five Year Review	1	\$	12,500	LS	\$	12,500
	Total Other Costs						\$12,50
PRESEN	T WORTH OF COSTS						
		1			1		
	Total Capital Costs					\$	138,400
	Annual O&M Costs (Long term monitoring for 10 years)					\$	281,200
	Five Year Review Costs (Long term momentum for 10 years)				1	\$	23,400
	The real netres, costs (at 5 and 10 year marks)				1	Ψ	23,400
	TOTAL PRESENT WORTH					\$	443,000
	COST TO IMPLEMENT REMEDIAL ACTION ALT	EDNATE			ssume:		443,000

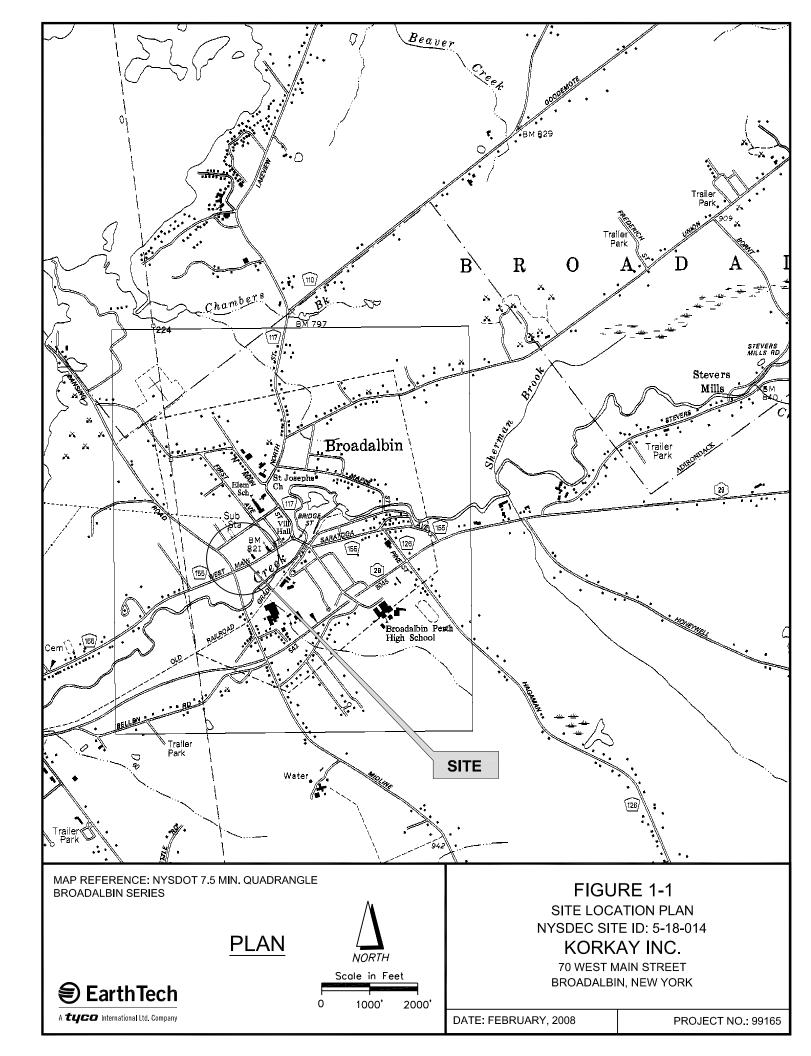
# Table 4-3 Alternative 4: Excavation and Removal - Cost Estimate Summary Korkay Site, Inc Broadalbin, New York

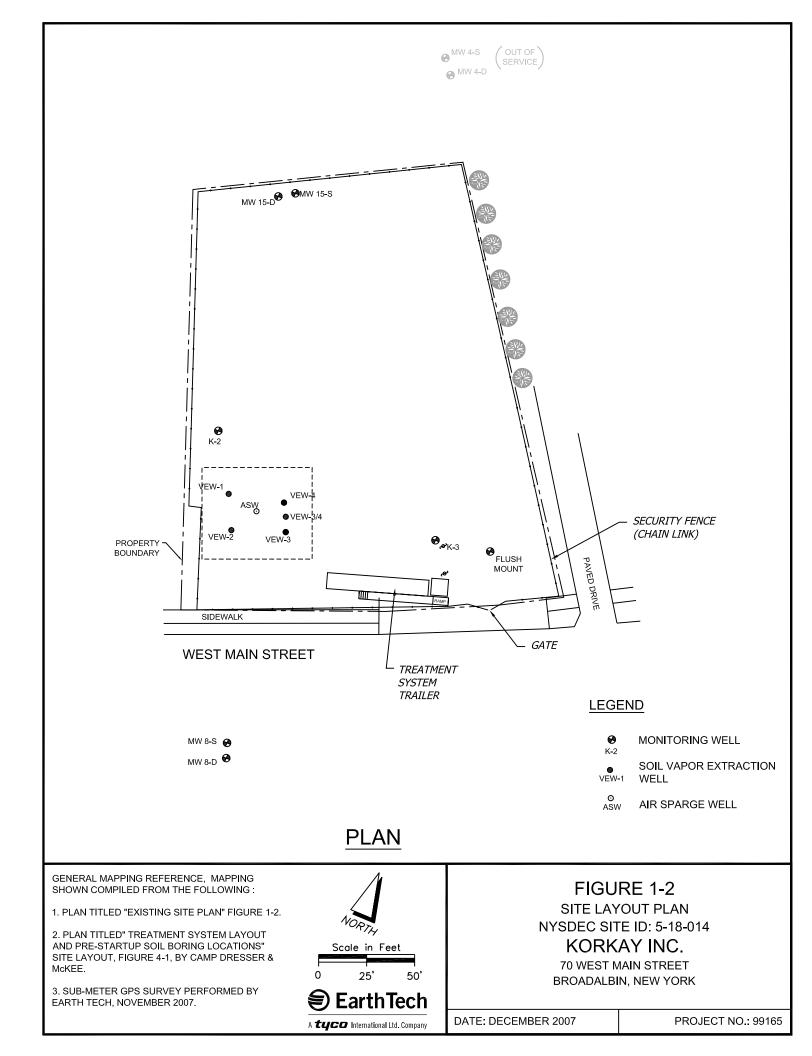
Item	Item Description	Quantity	Unit Cost		Unit	Extension	
САРІТА	L COSTS						
	actor Costs						
Site Work							
	Site Preparation	1	\$	10,000	LS	\$	10,000
	Source Area Delineation	1	۰ \$	7,500	LS	۰ ۶	10,000
	Water Disposal	60,000	۰ \$	0.40	GAL	۰ ۶	24,000
	Excavation	1,600	۰ ۶	6.50	CY	۰ ۶	10,400
	Clean Backfill	,	ֆ \$	0.50	CY	⊅ \$	,
		1,600					24,000
	Backfill/Regrade	1,600	\$	3.50	SY	\$	5,600
	Confirmatory Samples	16	\$	250	EA	\$	4,000
	Seed Tributary	4,900	\$	1.50	SY	\$	7,350
	System demobilization	1	\$	10,000	LS	\$	10,000
Off Site I							
	Waste Characterization Samples	2	\$	1,000	EA	\$	2,000
	Off-Site Disposal of Contaminated Soil	1,200	\$	30	TON	\$	36,000
	Transportation of Contaminated Soil	1,200	\$	15	TON	\$	18,000
	Off-Site Disposal of Spent Carbon	4,000	\$	4	LBS	\$	16,000
	SUBTOTAL CAPITAL COSTS					\$	177,350
	15% Engineering and Legal					\$	26,603
	20% Contingency					\$	35,470
	TOTAL CAPITAL COSTS					\$	239,423
							,
ANNUAI	L O&M COSTS						
	Groundwater Monitoring (11 Wells)						
	Project Planning and Organizing	1	\$	1,700	year	\$	1,700
	Field Sampling Labor	1	\$	5,400	year	\$	5,400
	Sampling Equipment, Shipping, Consumable Supplies	1	\$	1,200	year	\$	1,200
	Sample Analysis and Data Validation (11 VOCs + QC)	14	\$	250	year	\$	3,500
	Data Evaluation and Reporting (Annual Report)	1	\$	4,200	year	\$	4,200
	Data Evaluation and Reporting (Annual Report)	1	φ	4,200	ycai	φ	4,200
	Total Annual O&M Costs (Long-term monitoring)					\$	16,000
						Ψ	10,000
OTHER	COSTS						
	Fine Veer Deview	1	¢	10 500	τo	¢	10 500
	Five Year Review	1	\$	12,500	LS	\$	12,500
	Total Other Costs					\$	12,500
PRESEN	T WORTH OF COSTS						
	Total Capital Costs					\$	239,400
	Annual O&M Costs (Long term monitoring for 10 years)					\$	136,500
	Five Year Review Costs (Long term momentum for 10 years)	1				\$	23,400
	The real ferrow costs (at 5 and 10 year marks)					Ψ	23,400
	TOTAL PRESENT WORTH		-			\$	399,300
	COST TO IMPLEMENT REMEDIAL ACTION ALT		<b>1</b>		ssume:		400,000

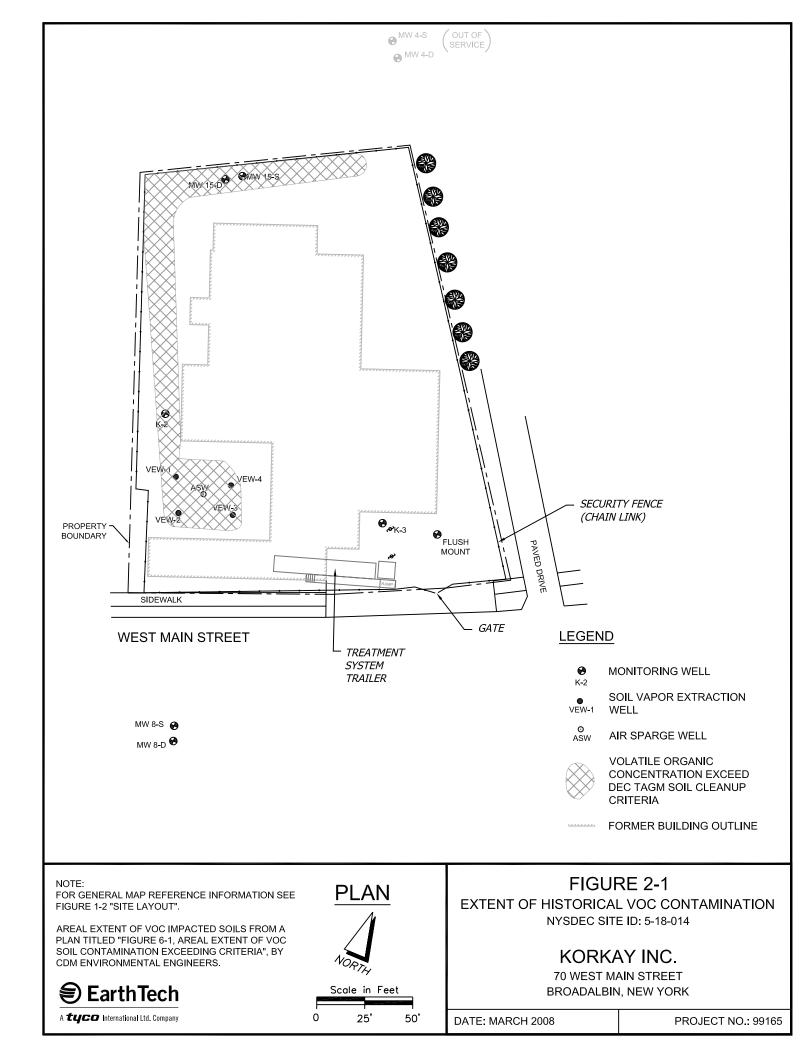
#### Table 4-4 Remedial Action Alternatives-Cost Estimate Summary Korkay Site, Inc Broadalbin, New York

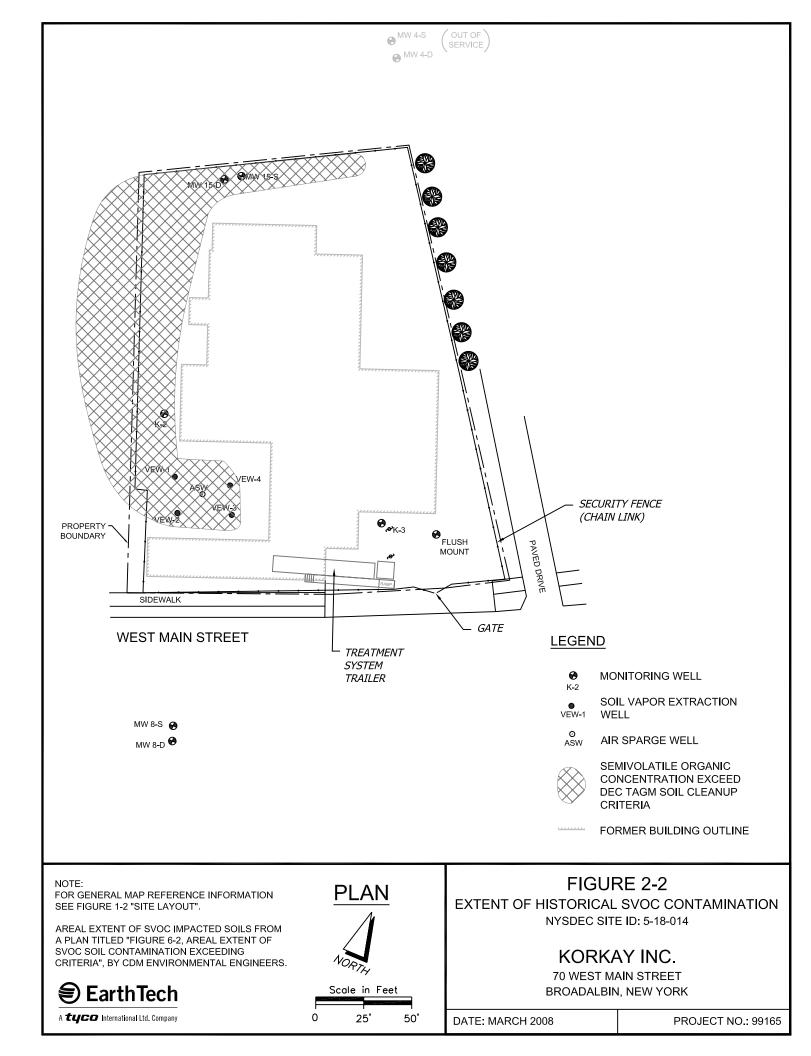
Item Item Description	Alt 1	Alt2	Alt 3	Alt 4
CAPITAL COSTS				
SUBTOTAL CAPITAL COSTS	\$0	\$26,000	\$102,500	\$177,350
15% Engineering and Legal	\$0	\$3,900	\$15,375	\$26,603
20% Contingency	\$0	\$5,200	\$20,500	\$35,470
TOTAL CAPITAL COSTS	\$0	\$35,100	\$138,400	\$239,500
ANNUAL O&M COSTS (Long term)				
Total Annual O&M Costs	\$0	\$33,988	\$32,960	\$21,600
Total Annual O&M Duration (years)		30	10	10
Total Other Costs	\$0	\$25,200	\$12,500	\$25,200
Total Other Costs Duration (years)		30	10	10
PRESENT WORTH OF COSTS (assumes 3% inflation)				
Total Capital Costs	\$0	\$35,100	\$138,400	\$239,500
Total Annual Costs	\$0	\$313,600	\$281,200	\$136,500
Total Other Costs	\$0	\$54,400	\$23,400	\$23,400
TOTAL PRESENT WORTH	\$0	\$403,100	\$443,000	\$399,400
COST TO IMPLEMENT REMEDIAL ACTION ALTERNATIVE	\$0	\$403,000	\$443,000	\$399,000

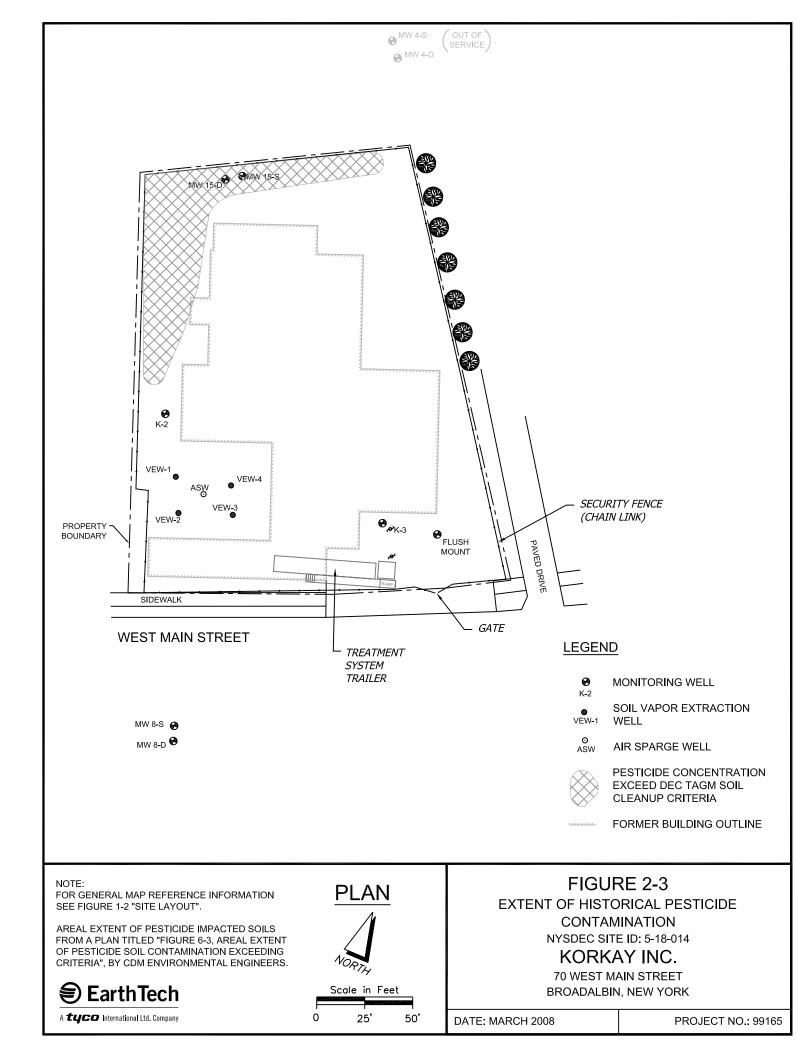
**FIGURES** 

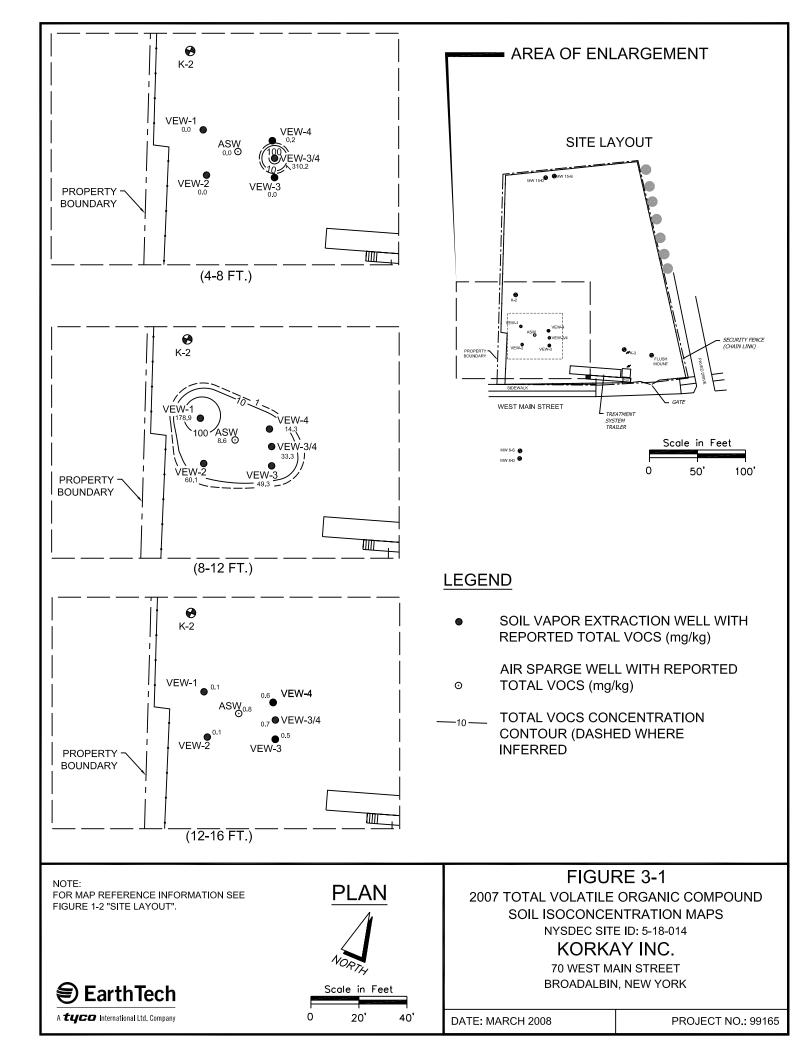


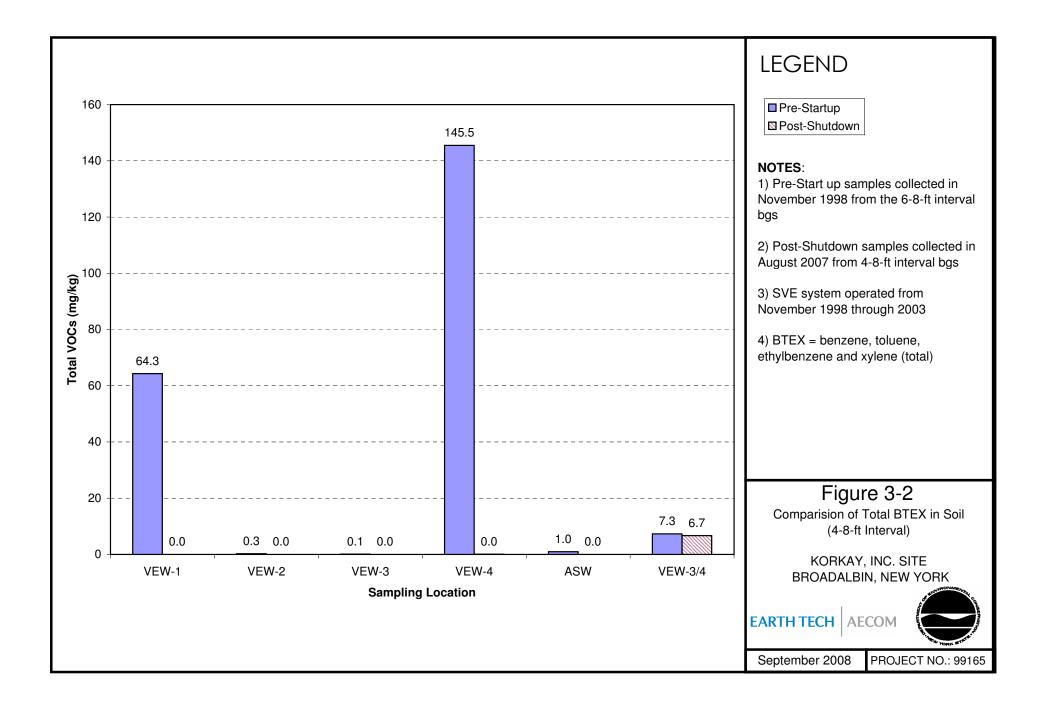


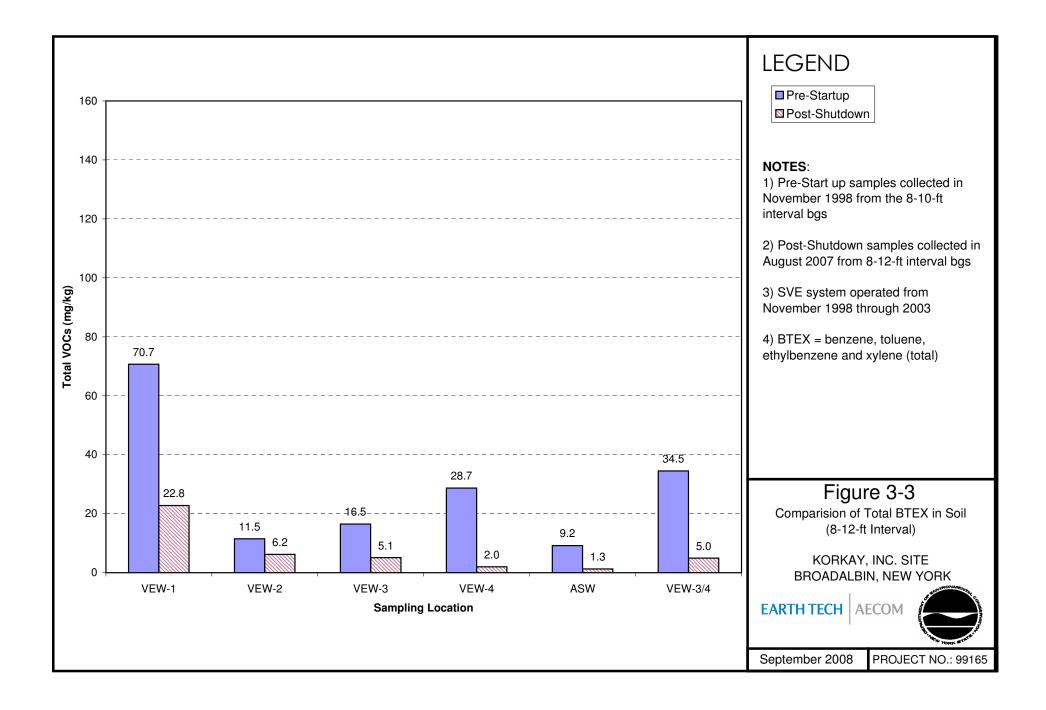


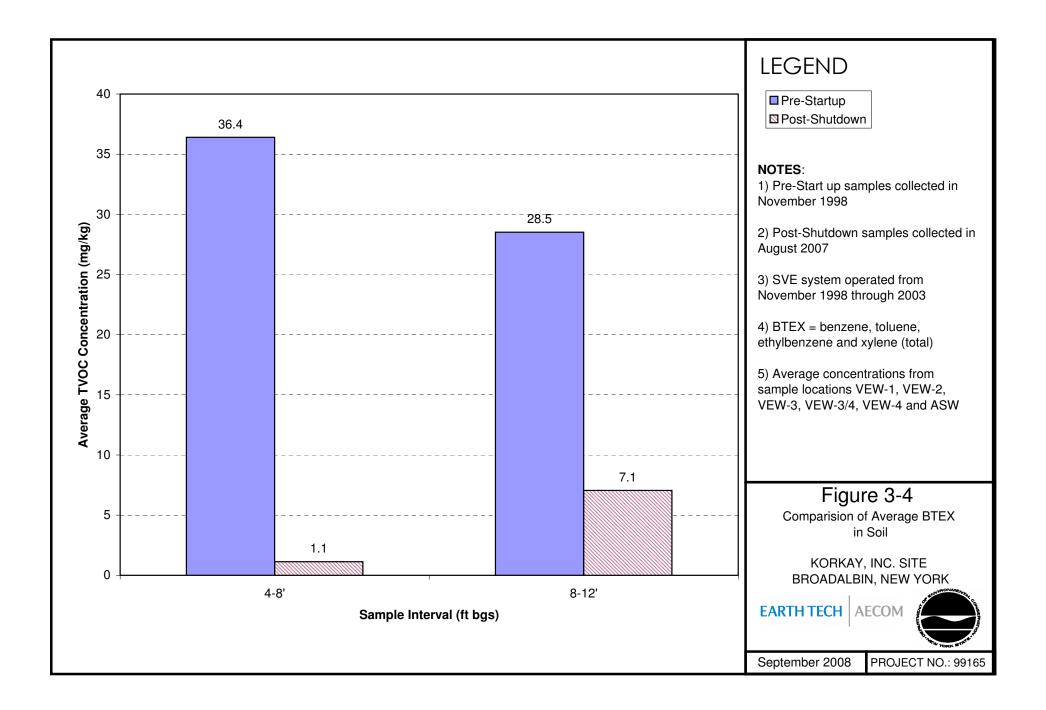


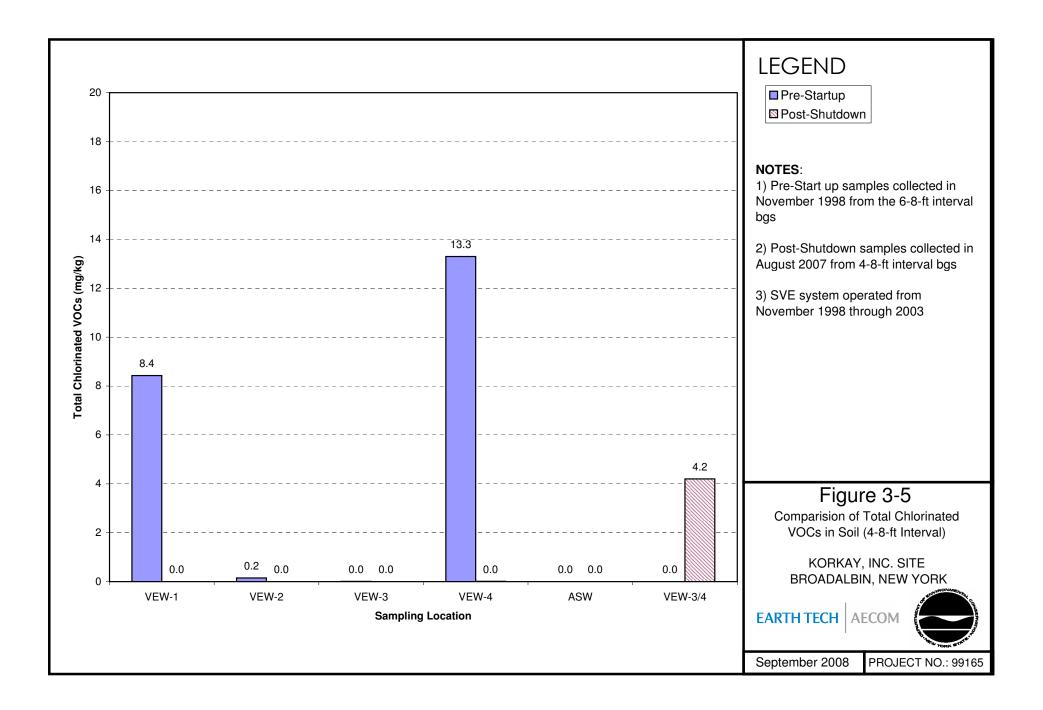


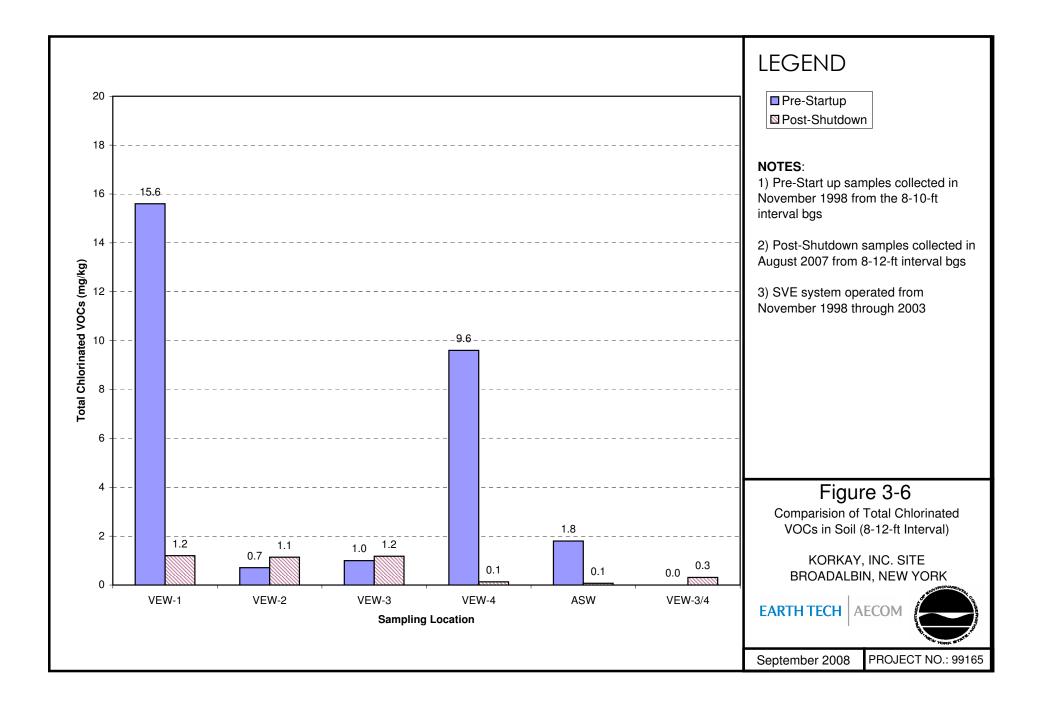


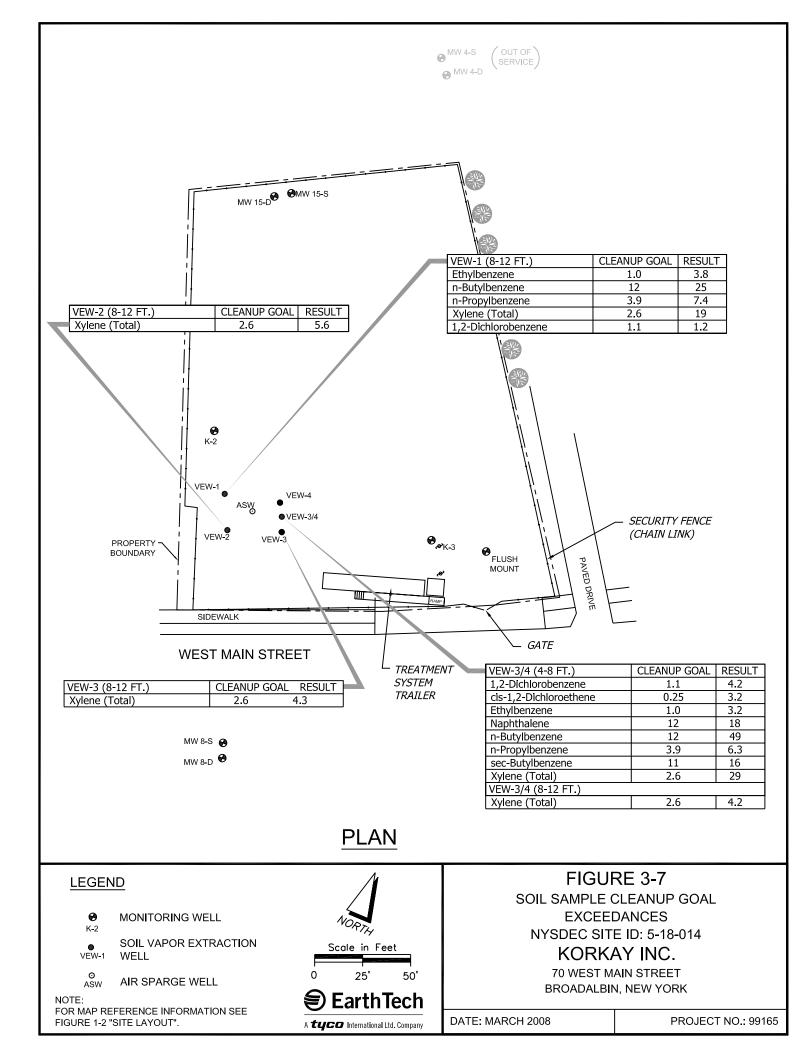


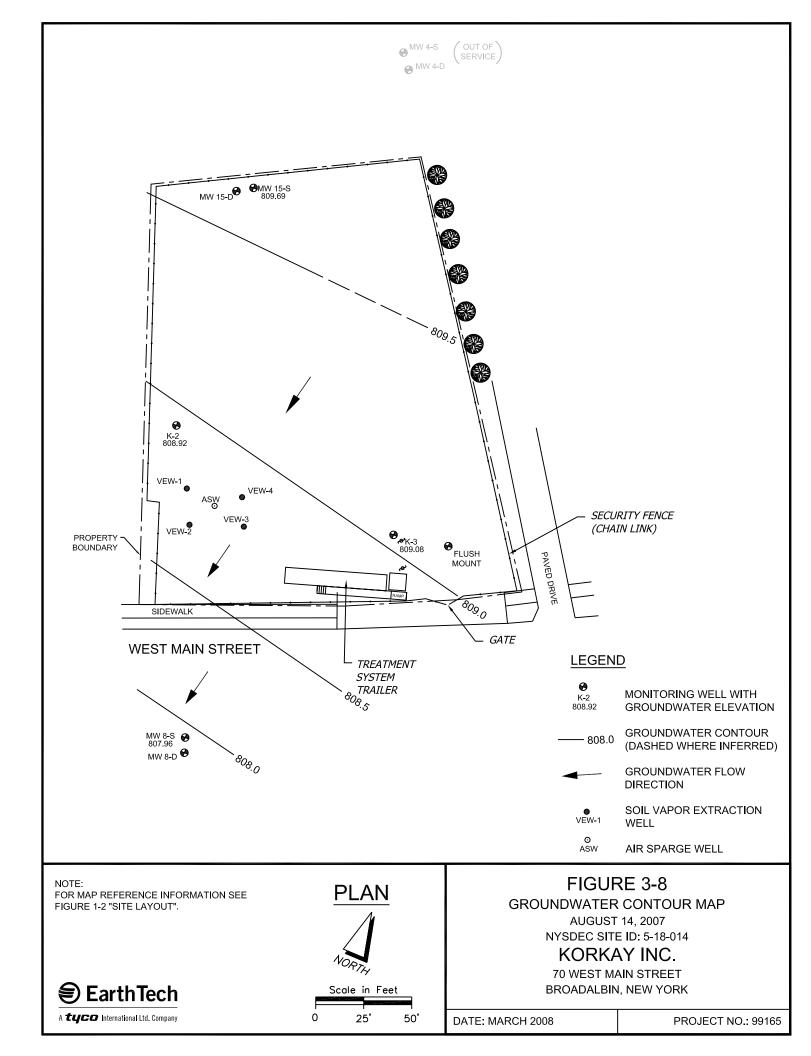


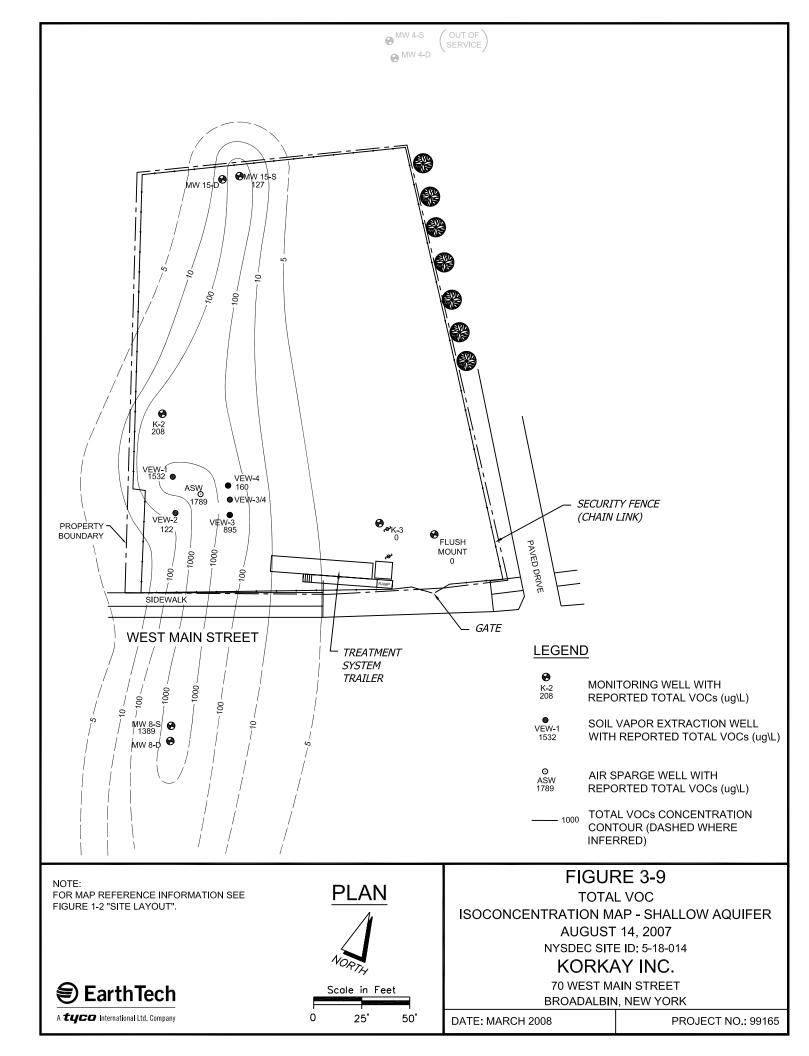


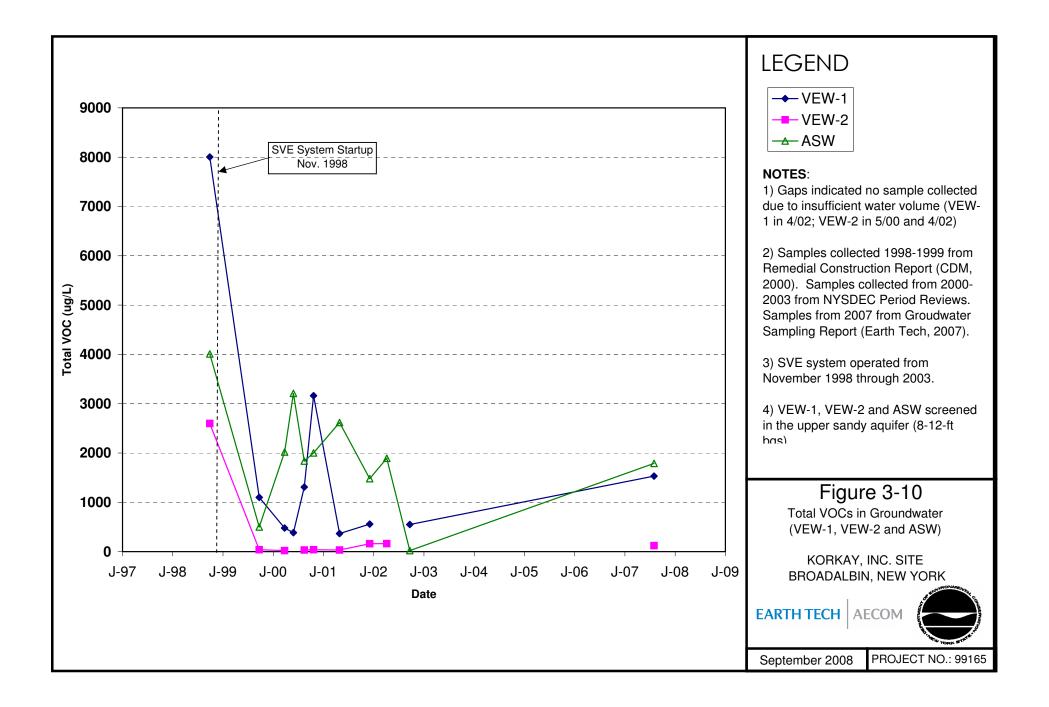


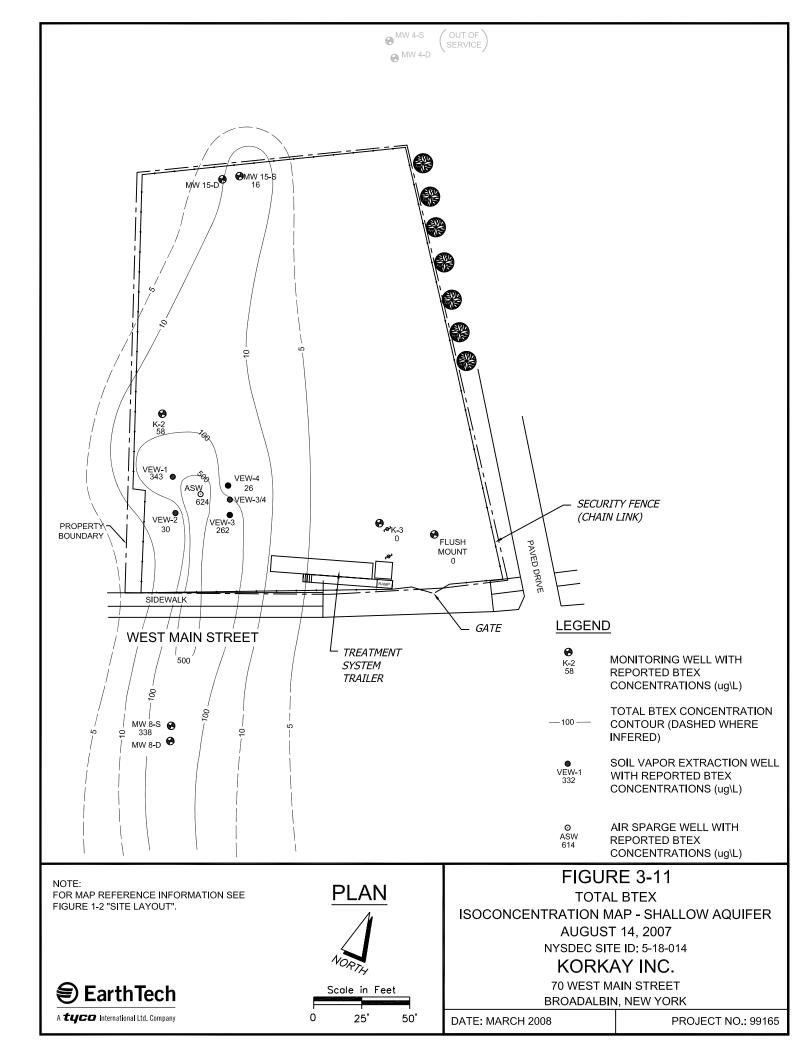


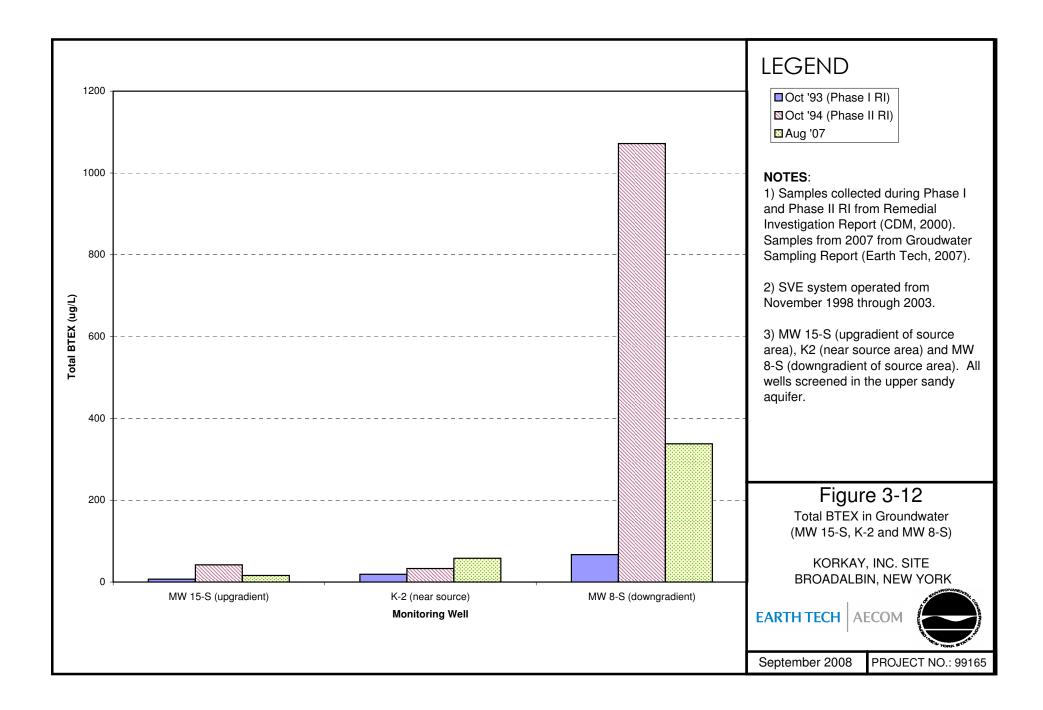


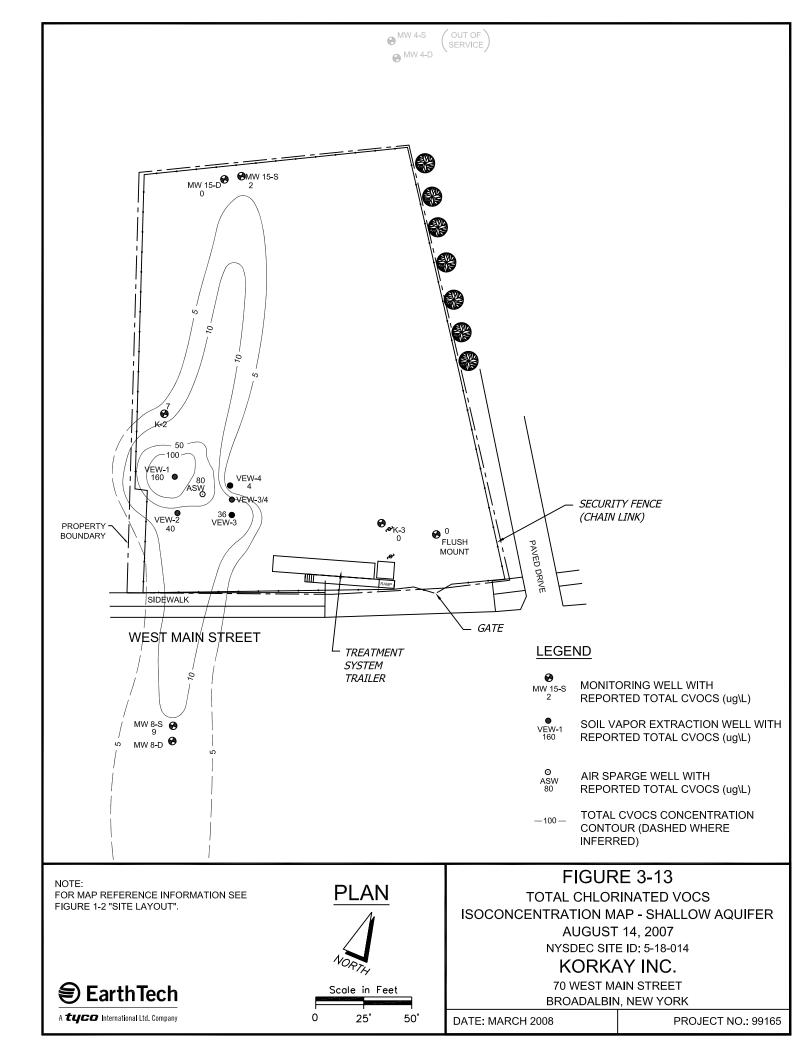


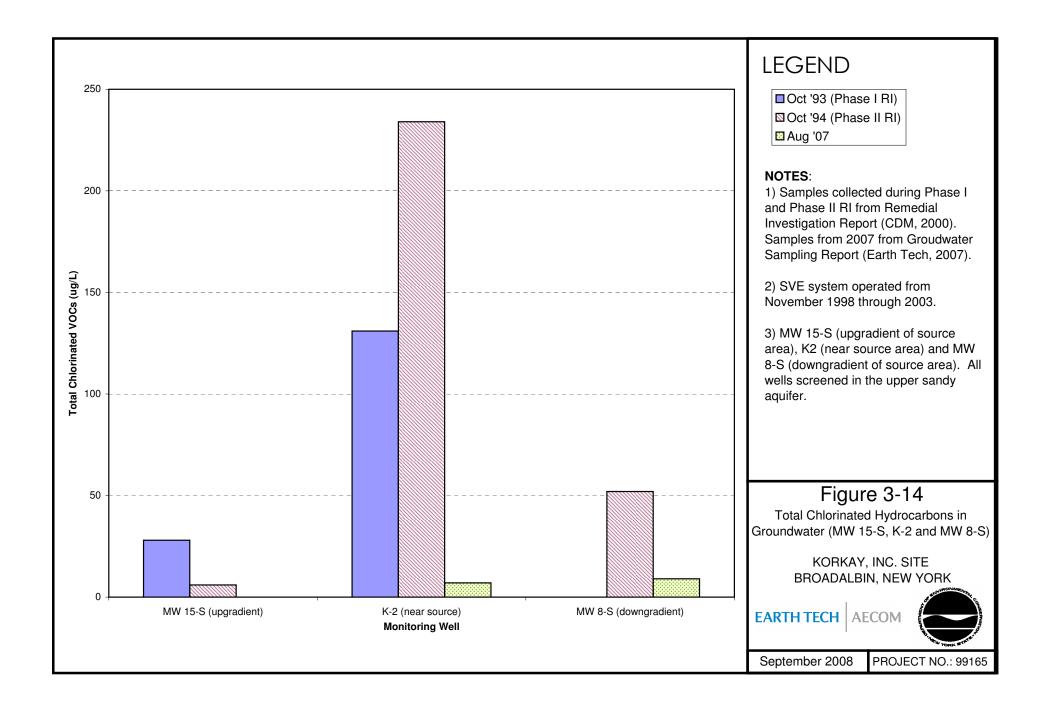


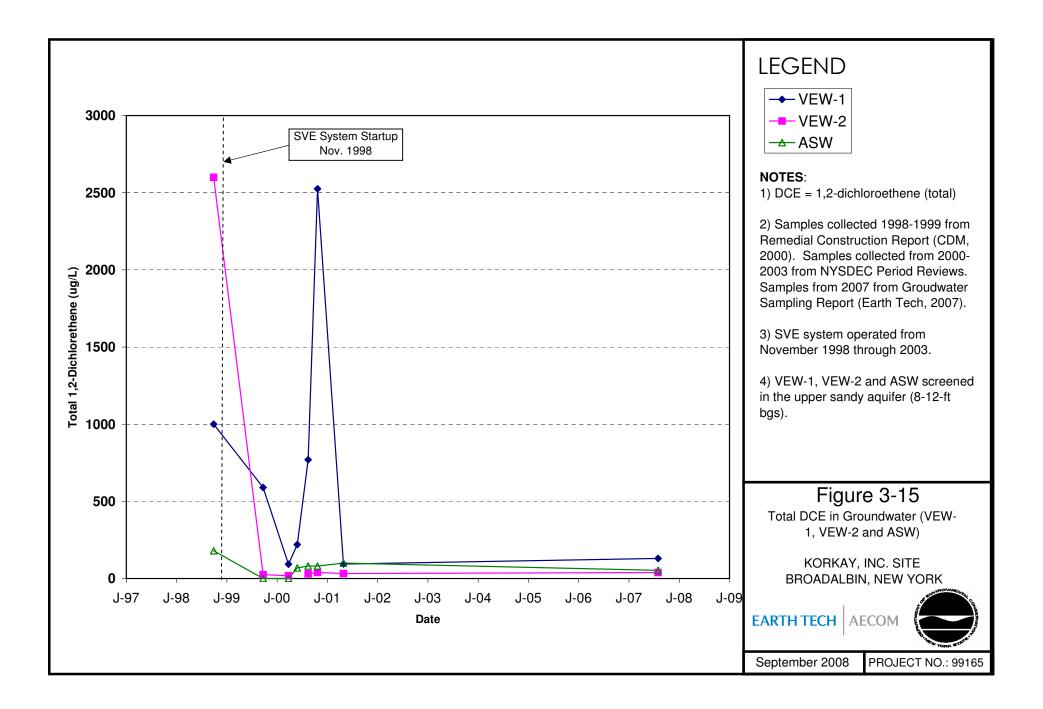


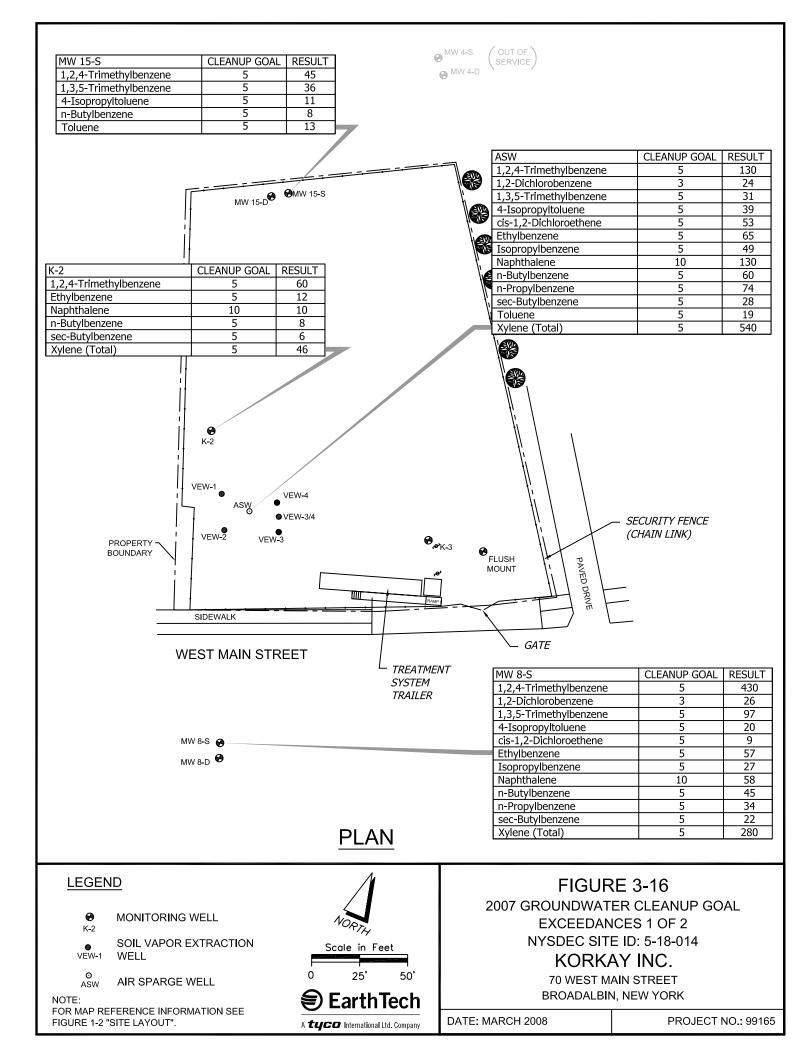


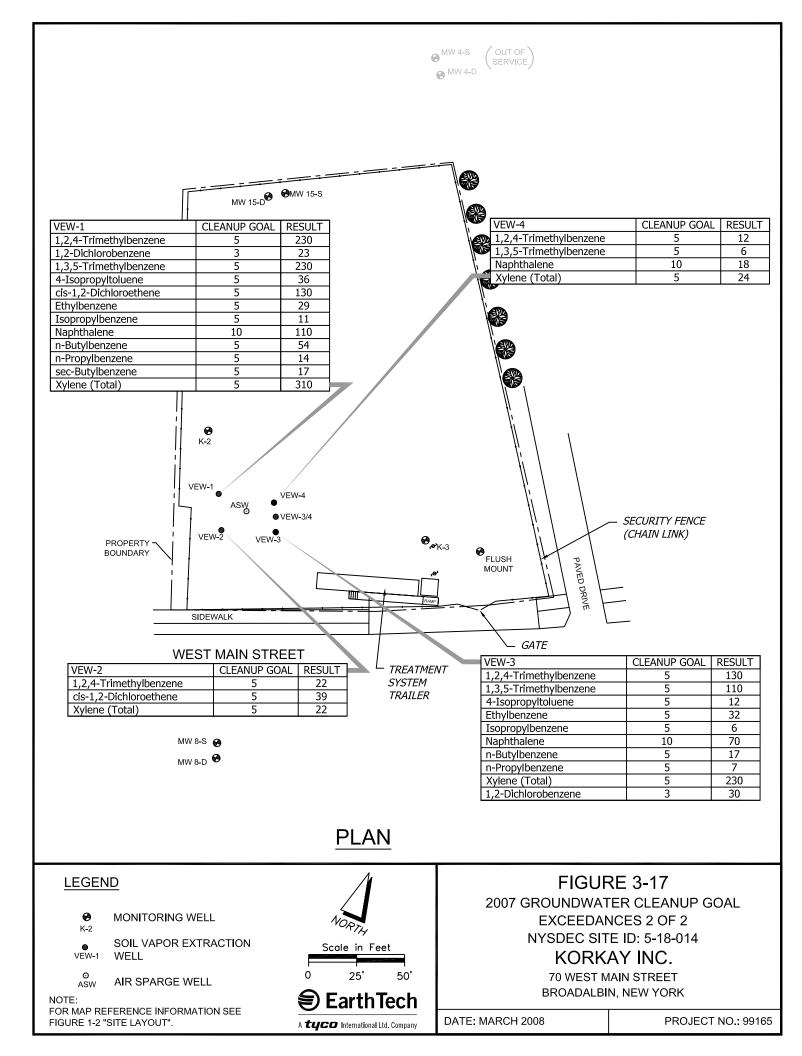


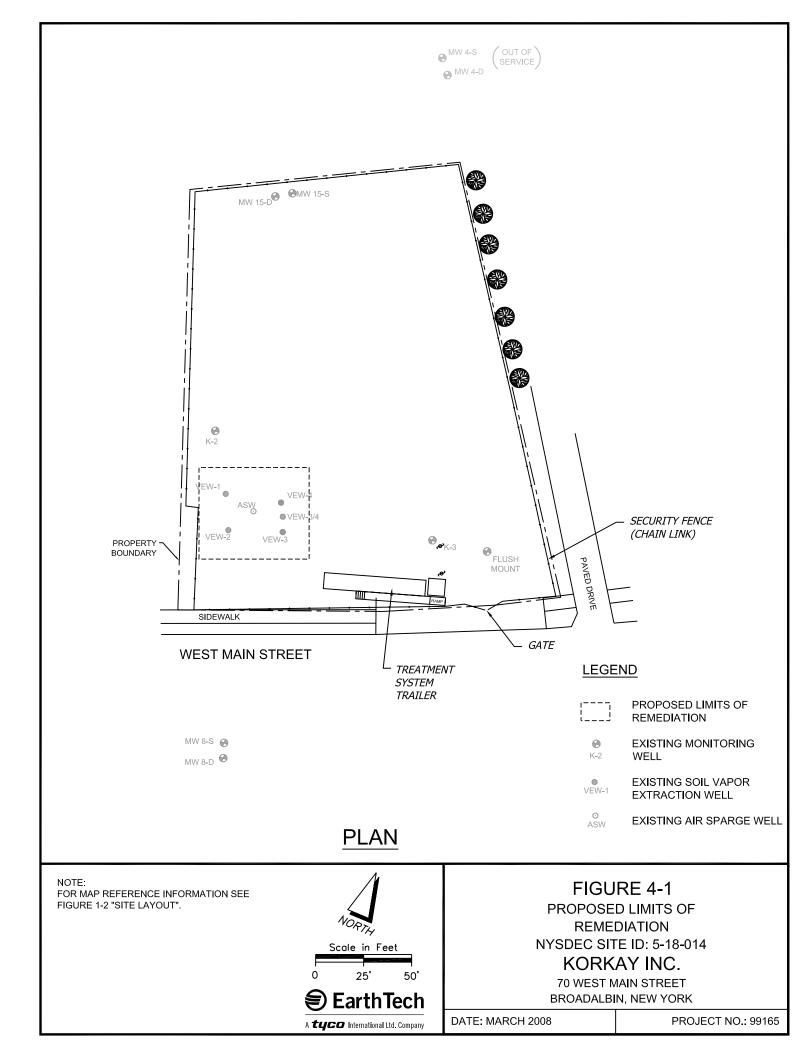












### APPENDIX A Soil Sampling Field Notes

BE welding @10:5 560pm 4.7.5 MA PIDEZS 1-5 11 pm 51 201 13-16 GR CL ho odor 12-13 Ge \$ P10=5 PID @ 9188 P 21= 014 9.5. STR. ODOR BL MED SAND BR NED JAND No ODOR (4-6) Roc 1:5. -Korkay Site DEC/EarthTech Rectio -2B (0-4) PID 41 (8-12) Rect (2-14) Rec 4 PID AA Phomos No. 000 11-12 BEEY & 58-3 (0-4) Rec 3 (4-6) Rec 3 ro1918 AS S 0 DEC Pare Joneto Lecond sample (con - Date and maite @ 315 (4-6) Recars 4-6 MED SAND 4-74A PID 235 (7-6) 4-6 MED SAND 4-74A Mod ador (1-6) mod ador (1-6) 9-10 VE SAND MOD Odor BR and SAND most 12-13.5 2424 \$ 1000 (3 8-9 PID 125 8-9 85 Dat 225 8-9 85 (0-12-14) 13.5-16 9rd CL BR typen | 0-3 3-4 BR wy SAND returned access poil to bone note pealed w/ bentonite SB-2 (04) Recilio BR MOIST MUD SOLD Korkay Site Dec/EarthTech (4.5) Rec 0.5 P10 <3 (0-4) Rue 1.5 (8-12) Rect (2-16) Rec.4 (8-12) PLD 8 9 10J SB-1 Axe

Alternating layers & and CL and frigtship Set PID: A Sat nod odor GR And Savid PID=15 247 3-4" layers of GR \$ and CL, GREY CL and \$ + 1. for sons 10-0-0de-0 Wei Jin a ore GREY set 8-12) Pin No SANDLE IN SLEEVE NO OTOR SAI 1-21.5 Same od~ BE RESOL seal a bent onte packfu w/ upper 8/9/07 Korkay Site DEC/EanthTech SB-4 (Lont) Rec 4 " 1m0 11.5' 7.5.6 4 - 7 (58-5) (6-4) Rec 1.5 Niample (8-12) Rect (12-16) Rec4+ (4-6) Rec 3.5 PIDO 11 - 8.5 0 10:5 125 Support to Must TAT SAT 7-6 BL FINE TO MED 11-6 BL FINE TO MED 110 = 14-48.5 2-4 DE MUE DE 140 30=01 9-11 FILL THED BOND pie in Sela 2 15-14 94443 6-9 BL MED SAT 12-13 OF 311 11-12 GR \$ ACT (58-4) (0-4) Rec 2.5 0-2 topoli =98 PIDQ 11-12-5 9 = 11-6 11-15 6 13- 170 6-9 89907 Korkay Site Dec Earth Tech PID 3pm (58-3) conti mud (8-12) Rec.4 9-11 \$, Five, SAND (12-14) Rect 11-12 Get no ador (4- 6) PID (2-12) Rect 19-9 AASAT 1,

8/9/07 Korkay site DEC | EarthTech (0-4) Rec 2.5 PID 1ppm 0-2 top son THED SB-le 2-4 dry BR SAND troa GR NOOR (4-8) Rec 3.0 PID @8'= 23 BR fine SAND noist no other 4-8= -1 1F SAND + 1@ 78 (8-12) Rec 4 PID @ 6-8.5 BL SAND PID=67 SAT STR ODR 8-5-9 PID: 140 VE SAND T SPT MOU 9-12 Fined MGD SAND Some odor PID = ~ 37 pat 12-16 Rec 4+ 12-12.5 PID : 48 MED SAND SAT SONFODOR PID 3 ppm 12.5-16 tand cL GIR sat no odor backfill w | remaining soil seal w | bentonite appeared to a second east in the 

APPENDIX B Soil Sample Analytical Results



"Environmental Testing For The New Millennium"

August 30, 2007

Earth Tech 40 British American Boulevard Latham, NY 12110 Attn: Mr. Scott Underhill

RE: Client Project: NYSDEC--Korkay, reference number: 99165 Lab Project #: F1104

Dear Mr. Underhill:

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

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

We appreciate your business.

Sincerely,

Shirley S. Ng <sup>(1)</sup> Project Manager

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

# **Mitkem Corporation**

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

## Project Name : Korkay Inc - 99165

**SDG :** <u>F1104</u>

		Analytical Requirements							
Customer Sample ID	Laboratory Sample ID	MSVOA	MSSEMI	GC*	ME	Other			
		Method #	Method #	Method #					
VEW-3/4 4-8'	F1104-01	SW8260B_MED_S	SW8270C_S			SEE DATA			
VEW-3/4 8-12'	F1104-02	SW8260B_LOW_S	SW8270C_S			SEE DATA			
VEW-3/4 8-12'	F1104-02	SW8260B_MED_S				· .			
VEW-3/4 12-16'	F1104-03	SW8260B_LOW_S	SW8270C_S			SEE DATA			
VEW-4 4-8'	F1104-04	SW8260B_LOW_S	SW8270C_S			SEE DATA			
VEW-4 8-12'	F1104-05	SW8260B_LOW_S	SW8270C_S			SEE DATA			
VEW-4 8-12'	F1104-05	SW8260B_MED_S							
VEW-4 12-16'	F1104-06	SW8260B_LOW_S	SW8270C_S			SEE DATA			
VEW-1 4-8'	F1104-07	SW8260B_LOW_S	SW8270C_S			SEE DATA			
VEW-1 8-12'	F1104-08	SW8260B_MED_S	SW8270C_S			SEE DATA			
VEW-1 12-16'	F1104-09	SW8260B_LOW_S	SW8270C_S			SEE DATA			
VEW-2 4-8'	F1104-10	SW8260B_LOW_S	SW8270C_S			SEE DATA			
VEW-2 8-12'	F1104-11	SW8260B_MED_S	SW8270C_S			SEE DATA			
VEW-2 12-16'	F1104-12	SW8260B_LOW_S	SW8270C_S	· · · ·		SEE DATA			
ASW 4-8'	F1104-13	SW8260B_LOW_S	SW8270C_S		· · · · · · · · · · · · · · · · · · ·	SEE DATA			
ASW 8-12'	F1104-14	SW8260B_LOW_S	SW8270C_S			SEE DATA			
ASW 8-12'	F1104-14	SW8260B_MED_S	9						
ASW 12-16'	F1104-15	SW8260B_LOW_S	SW8270C_S			SEE DATA			
VEW-3 4-8'	F1104-16	SW8260B_LOW_S	SW8270C_S			SEE DATA			
VEW-3 8-12'	F1104-17	SW8260B_MED_S	SW8270C_S			SEE DATA			
VEW-3 12-16'	F1104-18	SW8260B_LOW_S	SW8270C_S			SEE DATA			

# **Mitkem Corporation**

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

## Project Name : Korkay Inc - 99165

**SDG :** <u>F1104</u>

Laboratory		Date	Date Received	Date	Date
Sample ID	Matrix	Collected	By Lab	Extracted	Analyzed
SW8260B_LOW_S					-
F1104-02B	SL	8/9/2007	8/10/2007	NA	8/14/2007
F1104-03B	SL	8/9/2007	8/10/2007	NA	8/14/2007
F1104-04B	SL	8/9/2007	8/10/2007	NA	8/14/2007
F1104-05B	SL	8/9/2007	8/10/2007	NA	8/14/2007
F1104-06B	SL	8/9/2007	8/10/2007	NA	8/23/2007
F1104-07B	SL	8/9/2007	8/10/2007	NA	8/14/2007
F1104-09B	SL	8/9/2007	8/10/2007	NA	8/23/2007
F1104-10B	SL	8/9/2007	8/10/2007	NA	8/14/2007
F1104-12B	SL	8/9/2007	8/10/2007	NA	8/23/2007
F1104-13B	SL	8/9/2007	8/10/2007	NA	8/15/2007
F1104-14B	SL	8/9/2007	8/10/2007	NA	8/23/2007
F1104-15B	SL	8/9/2007	8/10/2007	NA	8/23/2007
F1104-16B	SL	8/9/2007	8/10/2007	NA	8/23/2007
F1104-18B	SL	8/9/2007	8/10/2007	NA	8/23/2007
SW8260B_MED_S					
F1104-01B	SL	8/9/2007	8/10/2007	8/24/2007	8/23/2007
F1104-02B	SL	8/9/2007	8/10/2007	8/23/2007	8/23/2007
F1104-05B	SL	8/9/2007	8/10/2007	8/23/2007	8/23/2007
F1104-08B	SL	8/9/2007	8/10/2007	8/24/2007	8/23/2007
F1104-11B	SL	8/9/2007	8/10/2007	8/24/2007	8/23/2007
F1104-14B	SL	8/9/2007	8/10/2007	8/23/2007	8/23/2007
F1104-17B	SL	8/9/2007	8/10/2007	8/24/2007	8/23/2007

# **Mitkem Corporation**

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

Project Name : Korkay Inc -- 99165

**SDG :** <u>F1104</u>

Laboratory		Date	Date Received	Date	Date
Sample ID	Matrix	Collected	By Lab	Extracted	Analyzed
SW8270C_S					
F1104-01A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-02A	SL	8/9/2007	8/10/2007	8/13/2007	8/20/2007
F1104-03A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-04A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-05A	SL	8/9/2007	8/10/2007	8/13/2007	8/23/2007
F1104-06A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-07A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-08A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-09A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-10A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-11A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-12A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-13A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-14A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-15A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-16A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-17A	SL	8/9/2007	8/10/2007	8/13/2007	8/22/2007
F1104-18A	SL	8/9/2007	8/10/2007	8/13/2007	8/20/2007

# **Mitkem Corporation**

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

## Project Name : Korkay Inc - 99165

**SDG :** <u>F1104</u>

Laboratory		Analytical	Extraction	Low/Medium	Dil/Conc
Sample ID	Matrix	Protocol	Method	Level	Factor
SW8260B_LOW_S					
F1104-02B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-03B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-04B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-05B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-06B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-07B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-09B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-10B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-12B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-13B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-14B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-15B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-16B	SL	SW8260B_LOW_S	NA	LOW	1
F1104-18B	SL	SW8260B_LOW_S	NA	LOW	1
SW8260B_MED_S					
F1104-01B	SL	SW8260B_MED_S	SW8260B_MED_S	MED	10
F1104-02B	SL	SW8260B_MED_S	SW8260B_MED_S	MED	1
F1104-05B	SL	SW8260B_MED_S	SW8260B_MED_S	MED	1
F1104-08B	SL	SW8260B_MED_S	SW8260B_MED_S	MED	4
F1104-11B	SL	SW8260B_MED_S	SW8260B_MED_S	MED	2
F1104-14B	SL	SW8260B_MED_S	SW8260B_MED_S	MED	1
F1104-17B	SL	SW8260B_MED_S	SW8260B_MED_S	MED	2

# **Mitkem Corporation**

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

Project Name : Korkay Inc - 99165

**SDG :** <u>F1104</u>

Laboratory		Analytical	Extraction	Auxiliary	Dil/Conc
Sample ID	Matrix	Protocol	Method	Cleanup	Factor
SW8270C_S					-
F1104-01A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-02A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-03A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-04A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-05A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-06A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-07A	SL.	SW8270C_S	SW8270C_S	NA	1
F1104-08A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-09A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-10A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-11A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-12A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-13A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-14A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-15A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-16A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-17A	SL	SW8270C_S	SW8270C_S	NA	1
F1104-18A	SL	SW8270C_S	SW8270C_S	NA	1

Analytical Data Package for Earth Tech

Client Project: NYSDEC--Korkay

### SDG# MF1104

### Mitkem Work Order ID: F1104

August 30, 2007

Prepared For:

Earth Tech 40 British American Boulevard Latham, NY 12110 Attn: Mr. Scott Underhill

Prepared By:

Mitkem Corporation 175 Metro Center Boulevard Warwick, RI 02886 (401) 732-3400

### SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's NYSDEC Korkay project. Under this deliverable, analysis results are presented for eighteen soil samples that were received on August 10, 2007. Analyses were performed per discussion with client, specifications in the project's contract and the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID with laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category A deliverable with the exception of Total Organic Carbon analysis. Total Organic Carbon analysis is reported by Mitkem standard report format.

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

1. Overall Observation:

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

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

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

### 2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception of bromofluorobenzene in samples VEW-3/4 8-12, VEW-3/4 4-8', VEW-1 8-12' VEW-3 8-12' and VEW-1 8-12'DL. The recovery of toluene-d8 in sample VEW-3/4 4-8' was outside the QC limits.

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

Sample analysis: due to high concentration of target analytes detected, samples ASW 8-12'DL, VEW-3/4 8-12'DL and VEW-4 8-12' were initially analyzed by low level approach and re-analyzed for dilution by medium level method. Due to significant high concentration of target compounds detected, samples VEW-1 8-12'DL (4x), VEW-3/4 4-8'DL (10x), VEW-2 8-12'DL (2x) and VEW-3 8-12'DL (2x) were initial analyzed by medium level approach and re-analyzed at dilution by medium level method. Please note that all analyses were performed within holding times with the exception of VEW-1 8-12'DL, VEW-3/4 4-8'DL, VEW-2 8-12'DL and VEW-3 8-12'DL. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception of nitrobenzene-d5 in sample VEW-4 8-12'.

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

Matrix spike/matrix spike duplicate: duplicate analyses were made on sample VEW-3 12-16'. Spike recoveries were within the QC limits with the exception of 2,4-dinitrophenol in both VEW-3 12-16'MS and MSD. The recovery of 4,6-Dinitro-2-methylphenol was outside the QC limits in VEW-3 12-16'MSD. Replicate RPDs were within the QC limits with the exception of 2,4-dinitrophenol and 4,6-Dinitro-2-methylphenol.

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

4. Total Organic Carbon Analysis:

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

Duplicate analysis: four duplicate analyses were performed on sample VEW-3/4 4-8'. Replicate RPDs were within the QC limits.

Sample analysis: no unusual observations were made during sample analysis.

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

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

Shuley NS

Shirley Ng Project Manager 08/30/07

	MILKell Corporation		<u>J</u>	0/Aug/	30/Aug/07 10:22	Work	WorkOrder: F1104
Client Proj Locat Comme	Client ID: EARTH_NY Project: NYSDEC Korkay Inc Location: 99165 Comments: N/A			Case: SDG: PO:	<b>ase:</b> DG: PO: 99165	Repo	Report Level: ASP-A EDD: HC Due: 08/28/07 Fax Due:
Sample ID	HS Client Sample ID	<b>Collection Date</b>	Date Recv <sup>1</sup> d	Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage
F1104-01A	VEW-3/4 4-8'	08/09/2007 9:00	08/10/2007	Soil	E415_LK_TOC_S		
					PMoist SW8270C_S		
F1104-01B	VEW-3/4 4-8'	08/09/2007 9:00	08/10/2007	Soil	SW8260B_LOW_S SW8260B_MFD_S		
F1104-02A	VEW-3/4 8-12'	08/09/2007 9:05	08/10/2007	Soil	E415_LK_TOC_S		
					Ervioisi SW8270C_S		
F1104-02B	VEW-3/4 8-12'	08/09/2007 9:05	08/10/2007	Soil	SW8260B_LOW_S SW8260B_MED_S		D D VOA
F1104-03A	VEW-3/4 12-16'	08/09/2007 9:10	08/10/2007	Soil	E415_LK_TOC_S PMoist SW8270C_S		
F1104-03B Client Rep:	VEW-3/4 12-16' Shirley S Ng	08/09/2007 9:10	08/10/2007	Soil	SW8260B_LOW_S	Page	1 of 7

Mitkem	Mitkem Corporation		31	0/Aug/	30/Aug/07 10:22	Work	WorkOrder: F1104
Client Proj Locati Commei	Client ID: EARTH_NY Project: NYSDEC Korkay Inc Location: 99165 Comments: N/A			Case: SDG: PO:	<b>ase:</b> DG: PO: 99165	Rep	Report Level: ASP-A EDD: HC Due: 08/28/07 Fax Due:
Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage
F1104-04A	VEW-4 4-8'	08/09/2007 9:00	08/10/2007	Soil	E415_LK_TOC_S		I
					PMoist SW8270C S		
F1104-04B	VEW-4 4-8'	08/09/2007 9:00	08/10/2007	Soil	SW8260B_LOW_S		
F1104-05A	VEW-4 8-12'	08/09/2007 9:10	08/10/2007	Soil	E415_LK_TOC_S		I I I I I I I I I I I I I I I I I I I
					PMoist SW8270C_S		
F1104-05B	VEW-4 8-12'	08/09/2007 9:10	08/10/2007	Soil	SW8260B_LOW_S		D VOA
F1104-06A	VEW-4 12-16'	08/09/2007 9:15	08/10/2007	Soil	SW8260B_MED_S E415_LK_TOC_S		D 00.
					PMoist SW8270C_S		14 14
F1104-06B	VEW-4 12-16'	08/09/2007 9:15	08/10/2007	Soil	SW8260B_LOW_S		AOA
Client Rep:	Shirley S Ng					Page	9 2 of 7

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Mitkem	Mitkem Corporation	3	0/Aug/l	30/Aug/07 10:22	WorkOrder: F1104	
Client Proj	Client ID: EARTH_NY Project: NYSDEC Korkay Inc		Case: SDG:			I
Locat Comme	Location: 99165 Comments: N/A		PO:	PO: 99165	HC Due: 08/28/07 Fax Due:	
Sample ID	HS Client Sample ID	Collection Date Date Recv'd	Matrix	Test Code Lab T	Lab Test Comments Hold MS SEL Storage	ge
F1104-07A	VEW-1 4-8'	08/09/2007 10:10 08/10/2007	Soil	E415_LK_TOC_S		
				PMoist	14 C	
				SW8270C_S	14	
F1104-07B	VEW-1 4-8'	08/09/2007 10:10 08/10/2007	Soil	SW8260B_LOW_S	VOA	
F1104-08A	VEW-1 8-12'	08/09/2007 10:15 08/10/2007	Soil	E415_LK_TOC_S PMoist		
				SW8270C_S		
F1104-08B	VEW-1 8-12'	08/09/2007 10:15 08/10/2007	Soil	SW8260B_LOW_S	AOA	*
				SW8260B_MED_S	NOA	
F1104-09A	VEW-1 12-16'	08/09/2007 10:20 08/10/2007	Soil	E415_LK_TOC_S		
				PMoist SW8270C_S		
F1104-09B	VEW-1 12-16'	08/09/2007 10:20 08/10/2007	Soil	SW8260B_LOW_S	Aov 🗆 🔤	
Client Rep:	Shirley S Ng				Page 3 of 7	

Mitkem	Mitkem Corporation	30/	30/Aug/07 10:22	WorkOrder: F1104
Client Proje Locati Commen	Client ID: EARTH_NY Project: NYSDEC Korkay Inc Location: 99165 Comments: N/A		Case: SDG: PO: 99165	Report Level: ASP-A EDD: HC Due: 08/28/07 Fax Due:
Sample ID	HS Client Sample ID	Collection Date Date Recv'd 1	Matrix Test Code	Lab Test Comments Hold MS SEL Storage
F1104-10A	VEW-2 4-8'	08/09/2007 11:10 08/10/2007 5	Soil E415_LK_TOC_S PMoist	
			SW8270C_S	I4
F1104-10B	VEW-2 4-8'	08/09/2007 11:10 08/10/2007 5	Soil SW8260B_LOW_S	VOV [] []
F1104-11A	VEW-2 8-12'	08/09/2007 11:15 08/10/2007 5	Soii E415_LK_TOC_S PMoist	
			SW8270C_S	I4
F1104-11B	VEW-2 8-12'	08/09/2007 11:15 08/10/2007 5	Soil SW8260B_LOW_S SW8260B_MED_S	VOA
F1104-12A	VEW-2 12-16'	08/09/2007 11:20 08/10/2007 S	Soil E415_LK_TOC_S PMoist SW8270C_S	
F1104-12B	VEW-2 12-16'	08/09/2007 11:20 08/10/2007 S	Soil SW8260B_LOW_S	
Client Rep:	Client Rep: Shirley S Ng			Page 4 of 7

Mitkem	Mitkem Corporation	30,	30/Aug/07 10:22	WorkO	WorkOrder: F1104
Client Proje Locati	Client ID: EARTH_NY Project: NYSDEC Korkay Inc Location: 99165		Case: SDG: PO: 99165	Report	Report Level: ASP-A EDD: HC Due: 08/28/07
Comme	Comments: N/A			F2	Fax Due:
Sample ID	HS Client Sample ID	Collection Date Date Recv'd	Matrix Test Code	Lab Test Comments	Hold MS SEL Storage
F1104-13A	ASW 4-8'	08/09/2007 10:35 08/10/2007	Soil E415_LK_TOC_S		I I I I I I I I I I I I I I I I I I I
		-	PMoist		□ □ 14
			SW8270C_S		
F1104-13B	ASW 4-8'	08/09/2007 10:35 08/10/2007	Soil SW8260B_LOW_S		UOA
F1104-14A	ASW 8-12'	08/09/2007 10:40 08/10/2007	Soil E415_LK_TOC_S		
			PMoist		□ □ 14
			SW8270C_S		Id Id
F1104-14B	ASW 8-12'	08/09/2007 10:40 08/10/2007	Soil SW8260B_LOW_S		
			SW8260B_MED_S		AOV 🗌 🔲
F1104-15A	ASW 12-16'	08/09/2007 10:45 08/10/2007	Soil E415_LK_TOC_S		
			PMoist		□ □ 14
			SW8270C_S		I I
F1104-15B	ASW 12-16'	08/09/2007 10:45 08/10/2007	Soil SW8260B_LOW_S		
Client Rep:	Shirley S Ng			Page	5 of 7

Mitkem	Mitkem Corporation	30/	30/Aug/07 10:22	WorkOrder: F1104	
Client Proj Locati Comme	Client ID: EARTH_NY Project: NYSDEC Korkay Inc Location: 99165 Comments: N/A		Case: SDG: PO: 99165	Report Level: ASP-A EDD: HC Due: 08/28/07 Fax Due:	
Sample ID	HS Client Sample ID	Collection Date Date Recv'd M	Matrix Test Code	Lab Test Comments Hold MS SEL Storage	orage
F1104-16A	VEW-3 4-8'	08/09/2007 11:10 08/10/2007 So	Soil E415_LK_TOC_S		
			PMoist SW8270C S		
F1104-16B	VEW-3 4-8'	08/09/2007 11:10 08/10/2007 Sc	Soil SW8260B_LOW_S	NOA	
F1104-17A	VEW-3 8-12'	08/09/2007 11:15 08/10/2007 Sc	Soil E415_LK_TOC_S		
			PMoist SW8770C S		
F1104-17B	VEW-3 8-12'	08/09/2007 11:15 08/10/2007 Sc	Soil SW8260B_LOW_S		V V
			SW8260B_MED_S	VOA	<b>V</b>
F1104-18A	VEW-3 12-16'	08/09/2007 11:20 08/10/2007 Sc	Soil E415_LK_TOC_S	I I	
			PMoist SW8270C_S		
F1104-18B	VEW-3 12-16'	08/09/2007 11:20 08/10/2007 Sc	Soil SW8260B_LOW_S	VOV	PA PA
Client Rep:	Shirley S Ng			Page 6 of 7	

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Mitkem	Mitkem Corporation		3(	)/Aug/(	30/Aug/07 10:22	Work	WorkOrder: F1104	
Client ID: EAR Project: NYS Location: 9916 Comments: N/A	Client ID: EARTH_NY Project: NYSDEC Korkay Inc Location: 99165 omments: N/A			Case: SDG: PO:	Case: SDG: PO: 99165	Rep	Report Level: ASP-A EDD: HC Due: 08/28/07 Fax Due:	I
Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage	age
			· .					
Client Rep:	Client Rep: Shirley S Ng					Page	e 7 of 7	

Sample Transmittal Documentation

Mitkem	CORPORATION	

175 Metro Center Boulevard Warwick, Rhode Island 02886-1755 (401) 732-3400 • Fax (401) 732-3499 email: mitkem@mitkem.com

# **CHAIN-OF-CUSTODY RECORD**

Page 1 of 2

COMPANY EARTH T	TECH		IOHd	<sup>чЕ</sup> (513,	PHONE (513)396-7138	company SA	SAME	PHONE	LAB PROJECT #:
	CLNDERHILL		FAX	FAX (518) 95)-		NAME		FAX	Flick
ADDRESS 40 BRI	40 BRITISH AMERICAN	AV 131.00				ADDRESS			TURNAROUND TIME:
CITY/ST/ZIP LA THAN	CIIZI AN W					CITY/ST/ZIP			
CLIENT PROJECT NAME:		CLIENT PROJECT #:	CT #:		CLIENT P.O.#:				
NYSDEC - Korkay	КАУ	99165			99165			KEQUESTED ANALYSES	/ /
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	MVLEK CKVB COMFOSITE	TIOS	OTHER	LABID	# OF CONTAINERS	25 20 10 0		COMMENTS
VEW-34 4-8'	8/9/07/0900	×	$\times$		10	X X Z			
VE W - 3/4 8-12'	1 0905				02				
VEW-3/4 12-161	1 0910				03				
VEW-4 4-81	1 0900				NO				
VEW-4 8-12'	1 0910				g				
VEW-4 12-16'	/ 0915				90				
VEW-1 4-8'	/ 1010				64				
VEW-1 8-12'	/ 1015				O8				
VEW-1 12-16'	0101				6				
VEW-2 4-3'	<u <="" td=""><td></td><td></td><td></td><td>õ</td><td></td><td></td><td></td><td></td></u>				õ				
VEW-2 8-12'	/ 1115				Ξ				
- m	V / 1120	>	~		12	$\langle \uparrow \uparrow \rangle$	<b></b>		
TSF# RELINQUISHED BY	SHED BY	BATE/TIME			ACCEPTED BY	EDBY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
MIN WIN				2	r wanna				
		WHITE: LABORATORY COPY	RATOR	у сору		YELLOW: REPORT COPY		PINK: CLIENT'S COPY	

 -	Ľ	
MITKEM	CORPORATION	

175 Metro Center Boulevard Warwick, Rhode Island 02886-1755 (401) 732-3400 • Fax (401) 732-3499 email: mitkem@mitkem.com

# **CHAIN-OF-CUSTODY RECORD**

Page 2 of 2

フモネートーして	Hd	PHONE (518) 396-738	COMPANY SAME	<b>.</b>	PHONE	LAB PROJECT #:
NAME SCOTT CLADERHILL		FAX (512) 951-2300	NAME		FAX	FILOH
ADDRESS 40 BRITISH AMERICAN BUND	ERILAN BUND		ADDRESS			TURNAROUND TIME:
CITY/ST/ZIP LATHAM NV 1	CIIZI NN		CITY/ST/ZIP			
	CLIENT PROJECT #:	CLJENT P.O.#:				
NYSDEC- KORKAY	99165	99165			REQUESTED ANALYSES	
SAMPLE DATE/TIME IDENTIFICATION SAMPLED	SOIL GRAB COMPOSITE	р Г ОЛНЕК	# OF CONTAINERS	500		COMMENTS
45W 4-6' 99967' 1035	× ×	3	2 X X X			
8-11'		14				
ASW 12-11, 1045	2	(ک				
3 4-81		91				
VEW-3 8-12' / 115		4				
VEW-3 12-16' V 120	♪ ♪					
~ ~						
TSF# RELINQUISHED BY	DATE/TIME	ACCE	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
Shitt Undhill	8/9/57 1540	Dewich E	le Cinti	8/10/07 8250		$\mathcal{I}_{ah}$
	/					
	/					
	WHITE: LABORATORY COPY	RY COPY	YELLOW: REPORT COPY		DNK: CITENT'S CODV	

### **MITKEM CORPORATION**

Sample Condition Form

Page <u>(</u> of <u>1</u>

Received By: DKO	Reviewed E	y: KF	>		Date: 2	8/10/05	MITKE	EM Workd	order #: F	-1104
Client Project: Korkay			· · · · · · · · · · · · · · · · · · ·		Client: Earth Tech				Soil Headspace	
			h Cam		HNO <sub>3</sub>	Preserv	ation (p	<u>H)</u>	VOA	or Air Bubbles
1) Cooler Sealed (Yes /	No		ab Sam OU			<u>п<sub>2</sub>30<sub>4</sub></u>	HCI	NaOH	Matrix US	<u>&gt; 1/4"</u>
				02						1
2) Custody Seal(s)	Rresent / Absent			03						
	Coolers / Bottles		<u> </u>	04			-		<u>├</u>	
	Intac) / Broken			05						
	$\smile$			06					f	
3) Custody Seal Number(s)	NIA			67						
	/		1	08		11010				
				09					· •	
				(0						
				11						
4) Chain-of-Custody	Present Absent			12						
				(3						
5) Cooler Temperature	<u> </u>			14						
Coolant Condition	ice			15						
				16						
6) Airbill(s)	eresen) / Absent		<u>ل</u>	17						
Airbill Number(s)	FedEx	FII	04	18					US .	
	859651661065									
		<u> </u>								
	6								XA	
7) Sample Bottles	(ntact/Broken/Leaking							-X	1010	
	a					V	$\mathbf{N}$	<u> ~6)</u>		
8) Date Received	8/10/07		<u>.</u>		-4			Ű		
	9 60					$\mathcal{Y}_{r}$				ē
9) Time Received	8:50		i	_	$\neg A$			latrix Key		
								npreserve		<b>A =</b> Air
Preservative Name/Lot No:						1		npreserve	•	H = HCI
			$ \land$				<b>M</b> = Me(			E = Encore
		$\vdash$				Ĺ	N = Nal	1504		F = Freeze
See Sample Condi	tion Notification/Correc	tive Ac	tion Fo	rm ye	s / no					
			<u> </u>				Rad OK	<u>yes/</u> no	)	

# MITKEM Corporation

## \* Volatiles \*

### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET ASW 12-16' Lab Name: MITKEM CORPORATION Contract: SAS No.: SDG No.: MF1104 Lab Sample ID: F1104-15B 5.2 (g/mL) G Lab File ID: V118924 (low/med) Date Received: 08/10/07 LOW % Moisture: not dec. 21 Date Analyzed: 08/23/07

Soil Aliquot Volume: (uL) CONCENTRATION UNITS:

Dilution Factor: 1.0

COMPOUND

(ug/L or ug/Kg) UG/KG

$\cap$
$\mathbf{U}$

·····		·
75-71-8Dichlorodifluoromethane	6	υ
74-87-3Chloromethane	6	υ
75-01-4Vinyl Chloride	6	υ
74-83-9Bromomethane	6	U
75-00-3Chloroethane	6	υ
75-69-4Trichlorofluoromethane	6	υ
75-35-41,1-Dichloroethene	6	U
67-64-1Acetone	20	
74-88-4Iodomethane	6	<u></u> <u></u> <u></u> <u></u> <u></u>
75-15-0Carbon Disulfide	6	U
75-09-2Methylene Chloride	6	υ
156-60-5trans-1,2-Dichloroethene	6	U
1634-04-4Methyl tert-butyl ether	6	U
75-34-31,1-Dichloroethane	6	U
108-05-4Vinyl acetate	6	U
78-93-32-Butanone	6	U
156-59-2cis-1,2-Dichloroethene	7	
590-20-72,2-Dichloropropane	6	Ū
74-97-5Bromochloromethane	6	U
67-66-3Chloroform	6	U
71-55-61,1,1-Trichloroethane	6	U
563-58-61,1-Dichloropropene	6	υ
56-23-5Carbon Tetrachloride	6	U
107-06-21,2-Dichloroethane	6	U
71-43-2Benzene	6	υ
79-01-6Trichloroethene	6	U
78-87-51,2-Dichloropropane	6	U
74-95-3Dibromomethane	6	U
75-27-4Bromodichloromethane	6	ש
10061-01-5cis-1,3-Dichloropropene	6	U
108-10-14-Methyl-2-pentanone	6	υ
108-88-3Toluene	2	J
10061-02-6trans-1,3-Dichloropropene	6	U
79-00-51,1,2-Trichloroethane	6	U

### FORM I VOA

OLM03.0

EPA SAMPLE NO.

Lab Code: MITKEM Case No.:

Matrix: (soil/water) SOIL

Sample wt/vol:

Level:

CAS NO.

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

Soil Extract Volume: (mL)

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION Contract: ASW 12-16'	
has have. Within controller contract.	·
Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104	
Matrix: (soil/water) SOIL Lab Sample ID: F1104-15B	
Sample wt/vol: 5.2 (g/mL) G Lab File ID: V118924	
Level: (low/med) LOW Date Received: 08/10/07	
% Moisture: not dec. 21 Date Analyzed: 08/23/07	
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0	
Soil Extract Volume:(mL) Soil Aliquot Volume:	(uL)
CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q	

14	2-28-91,3-Dichloropropane	6	υ
12	7-18-4Tetrachloroethene		Ū
59	1-78-62-Hexanone	6	
12	4-48-1Dibromochloromethane	6	-
10	6-93-41,2-Dibromoethane	6	-
10	8-90-7Chlorobenzene	6	Ū
	0-20-61,1,1,2-Tetrachloroethane	6	Ū
10	0-41-4Ethylbenzene	53	
	m,p-Xylene	140	
95	-47-6o-Xylene	110	
	30-20-7Xylene (Total)	260	
10	0-42-5Styrene	6	Ū
	-25-2Bromoform	6	U .
	-82-8Isopropylbenzene	9	
79	-34-51,1,2,2-Tetrachloroethane	6	<u>u</u>
10	8-86-1Bromobenzene	6	
96	-18-41,2,3-Trichloropropane	6	
10	3-65-1n-Propylbenzene	13	-
95	-49-82-Chlorotoluene	6	Ū
10	8-67-81,3,5-Trimethylbenzene	35	-
10	6-43-44-Chlorotoluene		U
98	-06-6tert-Butylbenzene	6	Ū
95	-63-61,2,4-Trimethylbenzene	110	Ŭ.
13	5-98-8sec-Butylbenzene	7	
	-87-64-Isopropyltoluene	8	
	1-73-11,3-Dichlorobenzene	6	<del>U</del>
	6-46-71,4-Dichlorobenzene	6	Ū
	4-51-8n-Butylbenzene	15	
	-50-11,2-Dichlorobenzene	3	J
96	-12-81,2-Dibromo-3-chloropropane	6	U U
12	0-82-11,2,4-Trichlorobenzene	6	υ
	-68-3Hexachlorobutadiene	6	U U
	-20-3Naphthalene	6	JB
87	-61-61,2,3-Trichlorobenzene	6	U
	· · · · · · · · · · · · · · · · · · ·	Ŭ	-
			I

### FORM I VOA

### 1A VOLATILE ORGANICS ANALYSIS DATA SHEET ASW 4-8' Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104

Matrix: (soil/water) SOIL

Sample wt/vol: 5.4 (g/mL) G

Level: (low/med) LOW

% Moisture: not dec. 4

CAS NO.

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

Soil Extract Volume: \_\_\_\_(mL)

COMPOUND

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

Q

Soil Aliquot Volume: \_\_\_\_\_(uL)

Lab Sample ID: F1104-13B

Lab File ID: V1I8643

Date Received: 08/10/07

Date Analyzed: 08/15/07

Dilution Factor: 1.0

75-71-8	Dichlorodifluoromethane	5	υ
	Chloromethane	5	U
	Vinyl Chloride	5	U
	Bromomethane	5	Ū
	Chloroethane	5	Ū
	Trichlorofluoromethane	5	Ū
	1,1-Dichloroethene	5	Ū
67-64-1		5	Ū
	Iodomethane	5	Ū
	Carbon Disulfide	5	Ū
	Methylene Chloride	5	Ū
	trans-1,2-Dichloroethene	5	Ū
	Methyl tert-butyl ether	5	Ū
	1,1-Dichloroethane	5	U
	Vinyl acetate	5	U
	2-Butanone	5	Ŭ
	cis-1,2-Dichloroethene	5	Ŭ
	2,2-Dichloropropane	5	U
	Bromochloromethane	5	U
	Chloroform	5	U
	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
	Carbon Tetrachloride	5	U
	1,2-Dichloroethane	5	U
71-43-2		5	U
	Trichloroethene	5	U
	1,2-Dichloropropane	5	U
	Dibromomethane	5	U
	Bromodichloromethane	5	U
	cis-1,3-Dichloropropene	5	U
	4-Methyl-2-pentanone	5	U .
108-88-3		5	U
	trans-1,3-Dichloropropene	5	U
	1,1,2-Trichloroethane	5	U
19-00-5			0
		I	

FORM I VOA

OLM03.0

### 1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA S	SHEET
Lab Name: MITKEM CORPORATION Contract	ASW 4-8'
Lab Code: MITKEM Case No.: SAS No.	.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: F1104-13B
Sample wt/vol: 5.4 (g/mL) G	Lab File ID: V1I8643
Level: (low/med) LOW	Date Received: 08/10/07
% Moisture: not dec. 4	Date Analyzed: 08/15/07
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(mL)	Soil Aliquot Volume:(uL)
	ENTRATION UNITS: L or ug/Kg) UG/KG Q
$\begin{array}{c} 142-28-91, 3-\text{Dichloropropane}\\ 127-18-4Tetrachloroethene\\ 591-78-62-Hexanone\\ 124-48-1Dibromochloromethane\\ 106-93-41, 2-Dibromoethane\\ 108-90-7Chlorobenzene\\ 630-20-61, 1, 1, 2-Tetrachloroeth\\ 100-41-4Ethylbenzene\\$	5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         6       5         7       U         6       5         7       U         7       U         6       5         7       U         6       5         7       U         6       5         7       U         7       U         8       U         9       5         10       5         11       5         12       5         13       10         14       5         15       U

### FORM I VOA

### 1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA S	SHEET
Name: MITKEM CORPORATION Contract	ASW 8-12'
Code: MITKEM Case No.: SAS No.	SDG No.: MF1104
rix: (soil/water) SOIL	Lab Sample ID: F1104-14B
mple wt/vol: 1.0 (g/mL) G	Lab File ID: V118927
rel: (low/med) LOW	Date Received: 08/10/07
loisture: not dec. 18	Date Analyzed: 08/23/07
Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
l Extract Volume:(mL)	Soil Aliquot Volume: (u
CONCE	ENTRATION UNITS:
	or ug/Kg) UG/KG Q
75-71-8Dichlorodifluoromethane         74-87-3Chloromethane         75-01-4Vinyl Chloride         74-83-9Bromomethane         75-00-3Chloroethane         75-69-4Chloroethane         75-35-4Chloroethane         75-35-4Chloroethane         75-35-4	30       U         30 <td< td=""></td<>

# FORM I VOA

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION Contra	.ct:	ASW 8	-12′
Lab Code: MITKEM Case No.: SAS N	io.: SDG	No.: MF1	.104
Matrix: (soil/water) SOIL	Lab Sample ID:	F1104-1	4B
Sample wt/vol: 1.0 (g/mL) G	Lab File ID:	V1I8927	
Level: (low/med) LOW	Date Received:	08/10/0	7
% Moisture: not dec. 18	Date Analyzed:	08/23/0	7
GC Column: DB-624 ID: 0.25 (mm)	Dilution Facto	or: 1.0	
Soil Extract Volume:(mL)	Soil Aliquot V	olume: _	(uL)
	CENTRATION UNITS: /L or ug/Kg) UG/H		Q
142-28-91, 3-Dichloropropane_         127-18-4Tetrachloroethene         591-78-62-Hexanone         124-48-1Dibromochloromethane         106-93-41, 2-Dibromoethane         108-90-7Chlorobenzene         630-20-61, 1, 1, 2-Tetrachloroet         100-41-4Ethylbenzene	thane	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	

FORM I VOA

### 1A

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION       Contract:       ASW 8-12'DL         Lab Code: MITKEM CORPORATION       SAS NO.:       SDG NO.: MF1104         Matrix: (soil/water) SOIL       Lab Sample ID: F1104-14EDL         Sample wt/vol:       5.1 (g/mL) G       Lab File ID: V5H9820         Level: (low/med) MED       Date Received: 08/10/07         % Moisture: not dec. 18       Date Analyzed: 08/23/07         CC Column: DB-624       ID: 0.25 (mm)       Dilution Factor: 1.0         Soil Extract Volume:       5 (mL)       Soil Aliquot Volume:       100.0 (uL)         CAS NO.       COMPOUND       CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG       Q         75-71-8Chloroethane       350 U       350 U       75.00-3Chloroethane       350 U         75-01-4Vinyl Chloride       350 U       75.00 U       350 U       75.00 U         75-35-4	VOLATILE ORGANICS ANALYSI	LEA SAMPLE NO.
Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-14EDL Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5H9820 Level: (low/med) MED Date Received: 08/10/07 % Moisture: not dec. 18 Daté Analyzed: 08/23/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: 5(mL) Soil Aliguet Volume: 100.0 (uL) CONCENTRATION UNITS: CAS NO. COMPOUND COMPOUND UG/KG Q 75-71-8Dichlorodifluoromethane 350 U 75-69-4Vinyl Chloride 350 U 75-69-4		
Matrix: (soil/water) SOILLab Sample ID: F1104-14EDLSample wt/vol:5.1 (g/mL) GLab File ID: V5H9820Level:(low/med) MEDDate Received: 08/10/07% Moisture: not dec. 18Date Analyzed: 08/23/07GC Column: DB-624ID: 0.25 (mm)Dilution Factor: 1.0Soil Extract Volume:5 (mL)Soil Aliquot Volume:100.0 (uL)CAS NO.COMPOUND(ug/L or ug/Kg) UG/KGQ75-71-8Chloromethane350 U74-87-3Chloromethane350 U75-01-4Vinyl Chloride350 U75-69-4	Lab Name: MITKEM CORPORATION	
Sample wt/vol:       5.1 (g/mL) G       Lab File ID:       V5H9820         Level:       (low/med)       MED       Date Received:       08/10/07         % Moisture:       not dec.       18       Date Analyzed:       08/23/07         GC Column:       DB-624       ID:       0.25 (mm)       Dilution Factor:       1.0         Soil Extract Volume:       5 (mL)       Soil Aliquot Volume:       100.0 (uL)         CONCENTRATION UNITS:       CAS NO.       COMPOUND       (ug/L or ug/Kg) UG/KG       Q         75-71-8	Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1104
Level: (low/med) MED Date Received: 08/10/07 % Moisture: not dec. 18 Date Analyzed: 08/23/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: 5(mL) Soil Aliquot Volume: 100.0(uL) CONCENTRATION UNITS: CAS NO. COMPOUND CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 75-71-8Chloromethane 350 U 74-83-9Dichlorodifluoromethane 350 U 75-60-3Chloromethane 350 U 75-69-4	Matrix: (soil/water) SOIL	Lab Sample ID: F1104-14BDL
% Moisture: not dec. 18       Date Analyzed: 08/23/07         GC Column: DB-624       ID: 0.25 (mm)       Dilution Factor: 1.0         Soil Extract Volume:       5 (mL)       Soil Aliquot Volume:       100.0 (uL)         CONCENTRATION UNITS:       CONCENTRATION UNITS:       Q         CAS NO.       COMPOUND       CONCENTRATION UNITS:       Q         75-71-8Dichlorodifluoromethane       350 U       75-01-4       350 U         74-87-3Chloromethane       350 U       75-00-3       350 U         75-69-4       Trichlorodifluoromethane       350 U       75-69-4         75-69-4       Trichlorodiloromethane       350 U       75-69-4         75-69-4       Trichlorodiloromethane       350 U       75-00 J         75-69-4       Trichlorodiloromethane       350 U       75-00 J         75-69-4       Tolono Disulfide       350 U       75-00 J         78-34-3       Tolono Disulfide       350 U       75-00 J         78-93-3       Tolonoroethane       350 U       76-00 J <td>Sample wt/vol: 5.1 (g/mL) G</td> <td>Lab File ID: V5H9820</td>	Sample wt/vol: 5.1 (g/mL) G	Lab File ID: V5H9820
GC Column: DB-624       ID: 0.25 (mm)       Dilution Factor: 1.0         Soil Extract Volume:       5(mL)       Soil Aliquot Volume:       100.0(uL)         CONCENTRATION UNITS:       CONCENTRATION UNITS:       Q         75-71-8Dichlorodifluoromethane       350 U       Q         75-71-8Dichlorodifluoromethane       350 U       Q         75-71-8Dichlorodifluoromethane       350 U       Q         75-71-8Chloromethane       350 U       Q         75-71-8Chloroethane       350 U       Q         75-71-8Chloroethane       350 U       Q         75-71-8	Level: (low/med) MED	Date Received: 08/10/07
Soil Extract Volume: $5 (mL)$ Soil Aliquot Volume: $100.0 (uL)$ CAS NO.       COMPOUND       CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG       Q         75-71-8Dichlorodifluoromethane       350 U $75-71-8$ Chloromethane       350 U         75-71-8	% Moisture: not dec. 18	Date Analyzed: 08/23/07
CAS NO.       COMPOUND       CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg       Q         75-71-8Dichlorodifluoromethane       350       U         74-87-3	GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
CAS NO.       COMPOUND       (ug/L or ug/Kg) UG/KG       Q         75-71-8Dichlorodifluoromethane       350       U         74-87-3Chloromethane       350       U         75-01-4Vinyl Chloride       350       U         75-01-4Chloromethane       350       U         75-01-4	Soil Extract Volume: 5(mL)	Soil Aliquot Volume: 100.0(uL)
CAS NO.       COMPOUND       (ug/L or ug/Kg) UG/KG       Q         75-71-8Dichlorodifluoromethane       350       U         74-87-3Chloromethane       350       U         75-01-4Vinyl Chloride       350       U         75-01-4Chloromethane       350       U         75-01-4		
75-71-8Dichlorodifluoromethane       350       U         74-87-3Chloromethane       350       U         75-01-4	CAS NO. COMPOUND	
74-87-3Chloromethane       350       U $75-01-4Vinyl$ Chloride       350       U $74-83-9Bromomethane$ 350       U $75-00-3Chloroethane$ 350       U $75-69-4Chloroethane$ 350       U $75-69-4Chloroethane$ 350       U $75-69-4$		
74-87-3Chloromethane       350       U $75-01-4Vinyl$ Chloride       350       U $74-83-9Bromomethane$ 350       U $75-00-3Chloroethane$ 350       U $75-69-4Chloroethane$ 350       U $75-69-4Chloroethane$ 350       U $75-69-4$		
75-01-4       350       U         74-83-9Bromomethane       350       U         75-00-3	75-71-8Dichlorodifluo	
74-83-9Bromomethane350U $75-00-3Chloroethane$ 350U $75-69-4Chloroethane$ 350U $75-35-4Chloroethane$ 350U $75-35-41, 1-Dichloroethene$ 350U $75-35-41, 1-Dichloroethene$ 350U $74-88-4Acetone$ 350U $75-15-0Carbon Disulfide$ 350U $75-09-2Carbon Disulfide$ 350U $75-09-2Carbon Disulfide$ 350U $156-60-5$		
75-00-3Chloroethane350U $75-69-4Trichlorofluoromethane$ 350U $75-35-4Trichloroethene$ 350U $67-64-1Acetone$ 350U $74-88-4Acetone$ 350U $74-88-4Acetone$ 350U $75-15-0Carbon Disulfide$ 350U $75-09-2Carbon Disulfide$ 350U $75-09-2Carbon Disulfide$ 350U $75-09-2Carbon Disulfide$ 350U $75-34-3Carbon Disulfide$ 350U $1634-04-4$		
75-69-4Trichlorofluoromethane       350       U         75-35-4		
75-35-41, 1-Dichloroethene $350$ U $67-64-1Acetone$ $350$ U $74-88-4Acetone$ $350$ U $74-88-4Acetone$ $350$ U $75-15-0Aceton Disulfide$ $350$ U $75-15-0Carbon Disulfide$ $350$ U $75-09-2Acthylene Chloride$ $350$ U $1634-04-4Methylene Chloroethene$ $350$ U $1634-04-4Methyl text-butyl ether350 U75-34-31, 1-Dichloroethane350 U108-05-4Vinyl acetate350 U78-93-32-Butanone350 U156-59-2cis-1, 2-Dichloroethene350 U590-20-72, 2-Dichloropropane350 U74-97-5Bromochloromethane350 U67-66-3Chloroform350 U74-97-5Bromochloromethane350 U56-58-61, 1, 1-Trichloroethane350 U56-35-61, 1, 1-Dichloropropane350 U74-97-5Carbon Tetrachloride350 U107-06-21, 2-Dichloropropane350 U74-95-3Carbon Tetrachloride350 U74-95-31, 2-Dichloropropane350 U$		
67-64-1Acetone       350       U         74-88-4Iodomethane       350       U         75-15-0Carbon Disulfide       350       U         75-09-2Carbon Disulfide       350       U         75-09-2	$75 \cdot 35 \cdot 4 1  1 - \text{Dichloroet}$	hene 350 U
74-88-4Iodomethane       350       U         75-15-0Carbon Disulfide       350       U         75-09-2Methylene Chloride       350       U         156-60-5trans-1,2-Dichloroethene       350       U         1634-04-4Methyl tert-butyl ether       350       U         75-34-3trans-1,1-Dichloroethane       350       U         108-05-4Vinyl acetate       350       U         78-93-32-Butanone       350       U         156-59-2cis-1,2-Dichloroethene       350       U         590-20-72,2-Dichloropropane       350       U         74-97-5Bromochloromethane       350       U         74-97-5Bromochloromethane       350       U         71-55-61,1.1-Dichloropropene       350       U         76-6-3		
75-15-0Carbon Disulfide       350       U         75-09-2Methylene Chloride       350       U         156-60-5trans-1,2-Dichloroethene       350       U         1634-04-4Methyl tert-butyl ether       350       U         1634-04-4Wethyl tetr-butyl ether       350       U         75-34-31,1-Dichloroethane       350       U         108-05-4Vinyl acetate       350       U         78-93-32-Butanone       350       U         156-59-2cis-1,2-Dichloroethene       350       U         590-20-72,2-Dichloropropane       350       U         74-97-5Bromochloromethane       350       U         67-66-31,1,1-Trichloroethane       350       U         71-55-61,1,1-Dichloropropene       350       U         56-23-5Carbon Tetrachloride       350       U         107-06-21,2-Dichloroethane       350       U         71-43-2Benzene       350       U         74-95-3Dichloroethene       350       U         78-87-5		
75-09-2Methylene Chloride       350       U         156-60-5trans-1,2-Dichloroethene       350       U         1634-04-4Methyl tert-butyl ether       350       U         75-34-31,1-Dichloroethane       350       U         108-05-4Vinyl acetate       350       U         78-93-32-Butanone       350       U         156-59-2cis-1,2-Dichloroethene       350       U         590-20-72,2-Dichloropropane       350       U         74-97-5Bromochloromethane       350       U         67-66-3Chloroform       350       U         71-55-6Bromochloropene       350       U         56-23-5Carbon Tetrachloride       350       U         56-35-61,1-Dichloroptopene       350       U         56-35-51,2-Dichloroptopene       350       U         56-35-5		
156-60-5trans-1,2-Dichloroethene	75-09-2Methylene Chlo	ride 350 U
1634-04-4Methyl tert-butyl ether $350$ U $75-34-31, 1-Dichloroethane$ $350$ U $108-05-4Vinyl acetate$ $350$ U $78-93-32-Butanone$ $350$ U $156-59-2cis-1, 2-Dichloroethene$ $350$ U $590-20-72, 2-Dichloropropane$ $350$ U $74-97-5Bromochloromethane$ $350$ U $67-66-3Chloroform$ $350$ U $71-55-61, 1, 1-Trichloroethane$ $350$ U $56-23-5Carbon Tetrachloride$ $350$ U $107-06-21, 2-Dichloropethane$ $350$ U $71-43-2Benzene$ $350$ U $79-01-6Trichloroethane$ $350$ U $79-01-6Trichloropethane$ $350$ U $74-95-3Dibromomethane$ $350$ U $74-95-3Dibromomethane$ $350$ U $75-27-4Bromodichloromethane$ $350$ U $10061-01-5cis-1, 3-Dichloropropene$ $350$ U $108-10-14-Methyl-2-pentanone$ $350$ U $10061-02-6trans-1, 3-Dichloropropene$ $350$ U	156-60-5trans-1,2-Dich	
75-34-31, 1-Dichloroethane       350       U         108-05-4Vinyl acetate       350       U         78-93-32-Butanone       350       U         156-59-2cis-1, 2-Dichloroethene       350       U         590-20-72, 2-Dichloropropane       350       U         74-97-5Bromochloromethane       350       U         67-66-3Chloroform       350       U         71-55-61, 1, 1-Trichloroethane       350       U         563-58-61, 1-Dichloropropene       350       U         563-58-6		
108-05-4Vinyl acetate       350 U         78-93-32-Butanone       350 U         156-59-2cis-1,2-Dichloroethene       350 U         590-20-72,2-Dichloropropane       350 U         74-97-5Bromochloromethane       350 U         67-66-3Chloroform       350 U         71-55-6Chloroform       350 U         56-23-5Chloroform       350 U         56-23-5Carbon Tetrachloride       350 U         107-06-21,2-Dichloroethane       350 U         71-43-2Benzene       350 U         79-01-6Trichloroethene       350 U         78-87-5Bromodichloromethane       350 U         75-27-4Bromodichloropropane       350 U         75-27-4Bromodichloropropane       350 U         75-27-4Bromodichloromethane       350 U         10061-01-5		
156-59-2cis-1, 2-Dichloroethene       350       U         590-20-72, 2-Dichloropropane       350       U         74-97-5Bromochloromethane       350       U         67-66-3Chloroform       350       U         71-55-61, 1, 1, 1-Trichloroethane       350       U         563-58-61, 1-Dichloropropene       350       U         56-23-5Carbon Tetrachloride       350       U         107-06-21, 2-Dichloroethane       350       U         71-43-2Benzene       350       U         78-87-5Trichloroethane       350       U         78-87-5		
590-20-72,2-Dichloropropane       350       U         74-97-5Bromochloromethane       350       U         67-66-3Chloroform       350       U         71-55-6Chloroform       350       U         563-58-61,1,1-Trichloroethane       350       U         562-58-61,1-Dichloropropene       350       U         562-58-6	78-93-32-Butanone	350 U
74-97-5Bromochloromethane       350       U         67-66-3Chloroform       350       U         71-55-6Chloroform       350       U         71-55-6		
67-66-3Chloroform       350 U         71-55-61,1,1-Trichloroethane       350 U         563-58-61,1-Dichloropropene       350 U         56-23-5Carbon Tetrachloride       350 U         107-06-21,2-Dichloroethane       350 U         71-43-2Benzene       350 U         79-01-6Trichloroethene       350 U         78-87-51,2-Dichloropropane       350 U         74-95-3Bromodichloromethane       350 U         75-27-4Bromodichloromethane       350 U         10061-01-5cis-1,3-Dichloropropane       350 U         108-88-3Toluene       350 U         10061-02-6trans-1,3-Dichloropropene       350 U		
71-55-61,1,1-Trichloroethane       350       U         563-58-61,1-Dichloropropene       350       U         56-23-5Carbon Tetrachloride       350       U         107-06-21,2-Dichloroethane       350       U         71-43-2Benzene       350       U         79-01-6Trichloroethene       350       U         78-87-51,2-Dichloropropane       350       U         74-95-3Dibromomethane       350       U         75-27-4Bromodichloromethane       350       U         10061-01-5cis-1,3-Dichloropropene       350       U         108-88-3Toluene       350       U         10061-02-6trans-1,3-Dichloropropene       350       U	74-97-5Bromochloromet	
563-58-61,1-Dichloropropene       350 U         56-23-5Carbon Tetrachloride       350 U         107-06-2Carbon Tetrachloride       350 U         107-06-2Carbon Tetrachloride       350 U         71-43-2Benzene       350 U         79-01-6Trichloroethene       350 U         78-87-51,2-Dichloropropane       350 U         74-95-3Dibromomethane       350 U         75-27-4Bromodichloromethane       350 U         10061-01-5cis-1,3-Dichloropropene       350 U         108-10-14-Methyl-2-pentanone       350 U         108-88-3Toluene       350 U         10061-02-6trans-1,3-Dichloropropene       350 U		350 U
56-23-5Carbon Tetrachloride       350 U         107-06-21, 2-Dichloroethane       350 U         71-43-2Benzene       350 U         79-01-6Trichloroethene       350 U         78-87-51, 2-Dichloropropane       350 U         74-95-3Dibromomethane       350 U         75-27-4Bromodichloromethane       350 U         10061-01-5cis-1, 3-Dichloropropene       350 U         108-10-14-Methyl-2-pentanone       350 U         108-88-3Toluene       350 U         10061-02-6trans-1, 3-Dichloropropene       350 U		
107-06-21, 2-Dichloroethane       350       U         71-43-2Benzene       350       U         79-01-6Trichloroethene       350       U         78-87-51, 2-Dichloropropane       350       U         74-95-3Dibromomethane       350       U         75-27-4Bromodichloromethane       350       U         10061-01-5cis-1, 3-Dichloropropene       350       U         108-10-14-Methyl-2-pentanone       350       U         108-88-3Toluene       350       U         10061-02-6trans-1, 3-Dichloropropene       350       U	563-58-61,1-Dichloropro	opene 350 U
71-43-2Benzene       350 U         79-01-6Trichloroethene       350 U         78-87-5Trichloropropane       350 U         74-95-3Dibromomethane       350 U         75-27-4Bromodichloromethane       350 U         10061-01-5cis-1,3-Dichloropropene       350 U         108-10-14-Methyl-2-pentanone       350 U         108-88-3Toluene       350 U         10061-02-6trans-1,3-Dichloropropene       350 U	56-23-5Carbon Tetrach.	10110e 350 U
79-01-6Trichloroethene       350       U         78-87-51,2-Dichloropropane       350       U         74-95-3Dibromomethane       350       U         75-27-4Bromodichloromethane       350       U         10061-01-5cis-1,3-Dichloropropene       350       U         108-10-14-Methyl-2-pentanone       350       U         108-88-3Toluene       350       U         10061-02-6trans-1,3-Dichloropropene       350       U		
78-87-51,2-Dichloropropane       350       U         74-95-3Dibromomethane       350       U         75-27-4Bromodichloromethane       350       U         10061-01-5cis-1,3-Dichloropropene       350       U         108-10-14-Methyl-2-pentanone       350       U         108-88-3Toluene       350       U         10061-02-6trans-1,3-Dichloropropene       350       U		
74-95-3Dibromomethane       350 U         75-27-4Bromodichloromethane       350 U         10061-01-5cis-1,3-Dichloropropene       350 U         108-10-14-Methyl-2-pentanone       350 U         108-88-3Toluene       350 U         10061-02-6trans-1,3-Dichloropropene       350 U		
75-27-4Bromodichloromethane       350       U         10061-01-5cis-1,3-Dichloropropene       350       U         108-10-14-Methyl-2-pentanone       350       U         108-88-3Toluene       350       U         10061-02-6trans-1,3-Dichloropropene       350       U	74-95-3Dibromomethane	
10061-01-5cis-1,3-Dichloropropene       350 U         108-10-14-Methyl-2-pentanone       350 U         108-88-3Toluene       350 U         10061-02-6trans-1,3-Dichloropropene       350 U		
108-10-14-Methyl-2-pentanone       350 U         108-88-3Toluene       350 U         10061-02-6trans-1,3-Dichloropropene       350 U		
108-88-3Toluene       350 U         10061-02-6trans-1,3-Dichloropropene       350 U		
10061-02-6trans-1,3-Dichloropropene 350 U	108-88-3Toluene	
	10061-02-6trans-1,3-Dich	loropropene 350 U
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FORM I VOA

### 1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

ASW 8-12'DL Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-14BDL Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5H9820 Level: (low/med) Date Received: 08/10/07 MED % Moisture: not dec. 18 Date Analyzed: 08/23/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

142-28-91,3-Dichloropropane 127-18-4Tetrachloroethene 591-78-62-Hexanone	350 350	U
124-48-1Dibromochloromethane	350 350	υ
106-93-41,2-Dibromoethane	350 350	
630-20-61,1,1,2-Tetrachloroethane	350	U
100-41-4Ethylbenzene	350 720	D
95-47-6O-Xylene 1330-20-7Xylene (Total)	400	
100-42-5Styrene	350	υ
98-82-8Isopropylbenzene	72	DJ
79-34-51,1,2,2-Tetrachloroethane 108-86-1Bromobenzene	350 350	-
96-18-41,2,3-Trichloropropane 103-65-1n-Propylbenzene	350	Ū
95-49-82-Chlorotoluene	350 350	
108-67-81,3,5-Trimethylbenzene	1000 350	
98-06-6tert-Butylbenzene	350	υ
95-63-61,2,4-Trimethylbenzene 135-98-8sec-Butylbenzene	2400 350	
99-87-64-Isopropyltoluene541-73-11,3-Dichlorobenzene	350 350	
106-46-71,4-Dichlorobenzene	350	υ
104-51-8n-Butylbenzene 95-50-11,2-Dichlorobenzene	690 350	
96-12-81,2-Dibromo-3-chloropropane 120-82-11,2,4-Trichlorobenzene	350 350	
87-68-3Hexachlorobutadiene	350	υ
91-20-3Naphthalene	350 350	บ บ

FORM I VOA

EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION	Contract:		VEW-	1 12-16′	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: 1	MF1104	
Matrix: (soil/water)	SOIL	Lab S	ample ID:	F110	4-09B	
Sample wt/vol:	4.6 (g/mL) G	Lab F	ile ID:	V118	914	
Level: (low/med)	LOW	Date 1	Received:	08/1	0/07	
% Moisture: not dec.	19	Date 2	Analyzed:	08/2	3/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilut	ion Facto	or: 1.0	0	
Soil Extract Volume:	(mL)	Soil 2	Aliquot N	701ume	:	_(uL
CAS NO.	COMPOUND	CONCENTRATIO (ug/L or ug,			Q	
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 75-15-0\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 78-93-3\\ 156-59-2\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 563-58-6\\ 56-23-5\\ 107-06-2\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 75-27-4\\ 108-10-1\\ 108-88-3\\ 10061-02-6\end{array}$	Iodomethane Carbon Disulfi Methylene Chlo trans-1,2-Dich Methyl tert-bu 1,1-Dichloroet Vinyl acetate 2-Butanone cis-1,2-Dichloropr Bromochloromet Chloroform 1,1,1-Trichlor 1,2-Dichloropr Benzene Trichloroether 1,2-Dichloropr Dibromomethane Bromodichlorom cis-1,3-Dichlor	romethane chene de bride loroethene thane proethene copane copane thane ropene nloride thane ne		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	U U U U U U U U U U U U U U U U U U U	

### FORM I VOA

### VOLATILE ORGANICS ANALYSIS DATA SHEET VEW-1 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-09B Sample wt/vol: 4.6 (g/mL) G Lab File ID: V1I8914 Date Received: 08/10/07 Level: (low/med) LOW Date Analyzed: 08/23/07 % Moisture: not dec. 19 Dilution Factor: 1.0 GC Column: DB-624 ID: 0.25 (mm) Soil Aliquot Volume: (uL) Soil Extract Volume: \_\_\_\_(mL) CONCENTRATION UNITS: Q CAS NO. COMPOUND

1A

(ug/L or ug/Kg) UG/KG

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EPA SAMPLE NO.

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142-28-91,3-Dichloropropane	7	υ
127-18-4Tetrachloroethene	7	Ū
591-78-62-Hexanone	7	υ
124-48-1Dibromochloromethane	7	υ
106-93-41,2-Dibromoethane	7	Ū
108-90-7Chlorobenzene		υ
630-20-61,1,1,2-Tetrachloroethane	7	υ
100-41-4Ethylbenzene	7	บ
m,p-Xylene	5	J
95-47-6o-Xylene	6	_
1330-20-7Xylene (Total)	12	0
100-42-5Styrene	7	<u>T</u>
75-25-2Bromoform	7	U
98-82-8Isopropylbenzene	2	J
79-34-51,1,2,2-Tetrachloroethane	7	
108-86-1Bromobenzene	7	U
96-18-41,2,3-Trichloropropane	7	U
103-65-1n-Propylbenzene	, 7	U
95-49-82-Chlorotoluene	, 7	U
108-67-81,3,5-Trimethylbenzene	4	J
106-43-44-Chlorotoluene		U
98-06-6tert-Butylbenzene	, 7	U
	10	
95-63-61,2,4-Trimethylbenzene	10	<del></del>
135-98-8sec-Butylbenzene	1	J
99-87-64-Isopropyltoluene	1 7	U
541-73-11,3-Dichlorobenzene	7	U
106-46-71,4-Dichlorobenzene	3	J
104-51-8n-Butylbenzene	3	U
95-50-11, 2-Dichlorobenzene	7	บ บ
96-12-81,2-Dibromo-3-chloropropane	7 7	U
120-82-11,2,4-Trichlorobenzene	7	
87-68-3Hexachlorobutadiene		Ŭ
91-20-3Naphthalene	2	
87-61-61,2,3-Trichlorobenzene	/	υ
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### FORM I VOA

### 1A

EPA SAMPLE NO.

	VOLATILI	E ORGANICS ANALYS	es data si	HEET			
					VEW-	-1 4-8′	
Lab Nar	ne: MITKEM COP	RPORATION	Contract	:			
Lab Coo	de: MITKEM	Case No.:	SAS No.	: SDG	No.: N	/F1104	
Matrix	: (soil/water)	SOIL		Lab Sample ID:	F1104	1-07B	
Sample	wt/vol:	5.2 (g/mL) G		Lab File ID:	V1I86	537	
Level:	(low/med)	LOW		Date Received:	08/10	0/07	
% Moist	ture: not dec.	. 5		Date Analyzed:	08/14	1/07	
GC Colu	umn: DB-624	ID: 0.25 (mm)		Dilution Facto	or: 1.0	)	
Soil Ex	xtract Volume:	:(mL)		Soil Aliquot V	olume:		(uL)
	CAS NO.	COMPOUND		NTRATION UNITS: or ug/Kg) UG/K		Q	
	74-87-3775-01-4775-00-3775-69-4775-75-69-4775-75-75-75-75-75-75-75-75-75-75-75-	Dichlorodifluc Chloromethane Vinyl Chloride Bromomethane Trichlorofluor Trichlorofluor 1,1-Dichloroet Carbon Disulfi Carbon Disulfi Methylene Chlo Trans-1,2-Dichloroet Vinyl acetate Vinyl acetate Cis-1,2-Dichloropr 2,2-Dichloropr	comethane hene de oride loroethen tyl ether hane proethene copane		ם מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ	U U U U U U U U U U U U U U U U U U U	

FORM I VOA

67-66-3-----Chloroform

71-43-2----Benzene

108-88-3-----Toluene

71-55-6-----1,1,1,1-Trichloroethane 563-58-6----1,1-Dichloropropene 56-23-5-----Carbon Tetrachloride

107-06-2----1,2-Dichloroethane

75-27-4-----Bromodichloromethane 10061-01-5----cis-1,3-Dichloropropene 108-10-1-----4-Methyl-2-pentanone

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

79-00-5-----1,1,2-Trichloroethane

79-01-6-----Trichloroethene 78-87-5-----1, 2-Dichloropropane

74-95-3----Dibromomethane

OLM03.0

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EPA SAMPLE NO.

VOLATILE	E ORGANICS ANALYS	IS DATA SHEET	I		1
			X 71.74.1	1 1 01	
Lab Name: MITKEM COF	(PORATION	Contract:	│	1-1 4-8'	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.:	MF1104	
Matrix: (soil/water)	SOIL	Lab Sar	mple ID: F110	4-07B	
Sample wt/vol:	5.2 (g/mL) G	Lab Fi	le ID: V1I8	637	
Level: (low/med)	LOW	Date Re	eceived: 08/1	.0/07	
% Moisture: not dec.	. 5	Date Ar	nalyzed: 08/1	4/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilutio	on Factor: 1.	0	
Soil Extract Volume:	(mL)	Soil A	liquot Volume	:	(uL)
CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/H	N UNITS: Kg) UG/KG	Q	
$\begin{array}{c} 127 - 18 - 4 \\ 591 - 78 - 6 \\ 124 - 48 - 1 \\ 106 - 93 - 4 \\ 006 - 93 - 4 \\ 006 - 93 - 4 \\ 006 - 41 - 4 \\ 006 - 41 - 4 \\ 006 - 41 - 4 \\ 006 - 42 - 5 \\ 100 - 42 - 5 \\ 100 - 42 - 5 \\ 006 - 42 - 5 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 108 - 86 - 1 \\ 98 - 82 - 8 \\ 108 - 86 - 1 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 95 - 49 - 8 \\ 108 - 67 - 8 \\ 95 - 49 - 8 \\ 108 - 67 - 8 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 50 - 1 \\ 96 - 12 - 8 \\ 96 - 12 - 8 \\ 91 - 20 - 3 \end{array}$	Xylene (Total) Styrene	nenenene	555555555555555555555555555555555555555	0 0 0 0 0 0 0 0 0 0 0 0 0 0	

COMPOUND

CAS NO.

EPA SAMPLE NO.

Q

VEW-1 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-08B Lab File ID: Sample wt/vol: 5.0 (q/mL) G V5H9818 Date Received: 08/10/07 Level: (low/med) MED Date Analyzed: 08/23/07 % Moisture: not dec. 17 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: 100.0(uL) Soil Extract Volume: 5 (mL) CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

350 U 75-71-8-----Dichlorodifluoromethane 74-87-3-----Chloromethane 350 U 75-01-4-----Vinyl Chloride 350 U 74-83-9----Bromomethane 350 U 75-00-3-----Chloroethane 350 U 75-69-4-----Trichlorofluoromethane 350 U 75-35-4-----1,1-Dichloroethene 350 U 67-64-1-----Acetone 350 U 74-88-4----Iodomethane 350 U 350 U 75-15-0-----Carbon Disulfide 75-09-2-----Methylene Chloride 350 U 156-60-5-----trans-1,2-Dichloroethene 350 U 1634-04-4-----Methyl tert-butyl ether 350 U 75-34-3-----1,1-Dichloroethane\_ 350 U 350 U 108-05-4-----Vinyl acetate 78-93-3-----2-Butanone 350 U 156-59-2----cis-1,2-Dichloroethene 350 U 590-20-7-----2,2-Dichloropropane 350 U 74-97-5-----Bromochloromethane 350 U 67-66-3-----Chloroform 350 U 71-55-6-----1,1,1-Trichloroethane 350 U 563-58-6-----1,1-Dichloropropene 350 U 56-23-5-----Carbon Tetrachloride 350 U 107-06-2----1,2-Dichloroethane 350 U 71-43-2----Benzene 350 U 79-01-6----Trichloroethene 350 U 78-87-5-----1,2-Dichloropropane 350 U 74-95-3-----Dibromomethane 350 U 75-27-4-----Bromodichloromethane 350 U 10061-01-5----cis-1,3-Dichloropropene 350 U 108-10-1-----4-Methyl-2-pentanone 350 U 108-88-3----Toluene 78 J 10061-02-6----trans-1,3-Dichloropropene 350 U

### FORM I VOA

79-00-5-----1,1,2-Trichloroethane

OLM03.0

350 U

### 1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA	SHEET
ab Name: MITKEM CORPORATION Contrac	VEW-1 8-12'
	1t
ab Code: MITKEM Case No.: SAS No	SDG NO.: MF1104
atrix: (soil/water) SOIL	Lab Sample ID: F1104-08B
ample wt/vol: 5.0 (g/mL) G	Lab File ID: V5H9818
evel: (low/med) MED	Date Received: 08/10/07
Moisture: not dec. 17	Date Analyzed: 08/23/07
C Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
oil Extract Volume: 5(mL)	Soil Aliquot Volume: 100.0(
	ENTRATION UNITS: L or ug/Kg) UG/KG Q
142-28-91, 3-Dichloropropane_         127-18-4Tetrachloroethene_         591-78-62-Hexanone         124-48-1Dibromochloromethane_         106-93-41, 2-Dibromoethane_         108-90-7Chlorobenzene         630-20-61, 1, 1, 2-Tetrachloroet         100-41-4Ethylbenzene        m, p-Xylene         95-47-6	350       U         350       U         350       U         350       U         350       U         350       U         3800
87-61-61,2,3-Trichlorobenzen	

### FORM I VOA

EPA SAMPLE NO.

VEW-1 8-12'DL Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-08BDL Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9850 Date Received: 08/10/07 Level: (low/med) MED Date Analyzed: 08/24/07 % Moisture: not dec. 17 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0 Soil Aliquot Volume: 100.0(uL) Soil Extract Volume: 5 (mL) CONCENTRATION UNITS: COMPOUND (uq/L or uq/Kq) UG/KG CAS NO. Q

$\begin{array}{c c c c c c c c c c c c c c c c c c c $			1
74-87-3 $1400$ U $75-01-4$ $1400$ U $74-83-9$ $1400$ U $75-00-3$ $1400$ U $75-00-3$ $1400$ U $75-09-4$ $1400$ U $75-69-4$ $1-1$ -Dichloroethane $1400$ U $75-35-4$ $1-1$ -Dichloroethane $1400$ U $75-35-4$	75-71-8Dichlorodifluoromethane	1400	דז
$75-01-4-\cdots$ Vinyl Chloride       1400       U $74-83-9-\cdots$ Bromomethane       1400       U $75-00-3-\cdots$ Chloroethane       1400       U $75-69-4-\cdots$ Trichlorofluoromethane       1400       U $75-69-4-\cdots$ Trichlorofluoromethane       1400       U $75-35-4-\cdots$ 1Dichloroethene       1400       U $67-64-1-\cdots$ Acetone       1400       U $75-59-4-\cdots$ Iodomethane       1400       U $75-64-1-\cdots$ Acetone       1400       U $75-64-1-\cdots$ Acetone       1400       U $75-64-1-\cdots$ Acetone       1400       U $75-64-1-\cdots$ Acetone       1400       U $75-65-2-\cdots$ Carbon Disulfide       1400       U $75-34-3-\cdots$ Nethyl tert-butyl ether       1400       U $78-93-3-\cdots$ 1.2-Dichloroethane       1400       U $78-93-3-\cdots$ 2.2-Dichloropropane       1400       U $78-93-3-\cdots$ 1.1-Dichloroethane       1400       U $79-20-72, 2.2$ -Dichloropropane       1400       U			-
$74-83-9-\dots$ Bromomethane       1400       U $75-00-3-\dots$ Chloroethane       1400       U $75-69-4-\dots$ Trichlorofluoromethane       1400       U $75-35-4-\dots$ 1,1-Dichloroethene       1400       U $67-64-1-\dots$ Acetone       1400       U $75-35-4-\dots$ Acetone       1400       U $75-69-4-\dots$ Acetone       1400       U $75-69-4-\dots$ Acetone       1400       U $75-69-4-\dots$ Acetone       1400       U $75-69-4-\dots$ Acetone       1400       U $75-09-2-\dots$ Acetone       1400       U $75-09-2-\dots$ Carbon Disulfide       1400       U $1634-04-4-\dots$ Methyl tert-butyl ether       1400       U $1634-04-4-\dots$ Methyl tert-butyl ether       1400       U $1634-04-4-\dots$ Methyl tert-butyl ether       1400       U $1634-04-4-\dots$ Nethyl acetate       1400       U $163-9-2-\dots$ Nin acetate       1400       U $186-59-2-\dots$ Sinchoromethane       1400       U			-
75-00-3Chloroethane       1400       U $75-69-4Trichlorofluoromethane$ 1400       U $75-35-41, 1-Dichloroethene$ 1400       U $67-64-1Acetone$ 1400       U $74-88-4Iodomethane$ 1400       U $75-09-2Acetone$ 1400       U $75-09-2Carbon Disulfide$ 1400       U $75-69-4Carbon Disulfide$ 1400       U $75-09-2Carbon Disulfide$ 1400       U $75-69-4Carbon Disulfide$ 1400       U $75-69-2Carbon Disulfide       1400       U         1634-04-4Methyllene Chloride       1400       U         1634-04-4Methyl tert-butyl ether       1400       U         1634-04-4Vinyl acetate       1400       U         1634-04-4Vinyl acetate       1400       U         1634-04-4Vinyl acetate       1400       U         1634-04-4Vinyl acetate       1400       U         1635-04Cis-1, 2-Dichloroethene       1400       U         74-97-5Bromochloromethane       1400       U         74-561, 1, 1, 1-Trichloroethane       1400       $			-
$\begin{array}{llllllllllllllllllllllllllllllllllll$			-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			1
67-64-1Acetone1400U $74-88-4Iodomethane$ 1400U $75-15-0Carbon Disulfide$ 1400U $75-09-2Carbon Disulfide$ 1400U $156-60-5Carbon Disulfide$ 1400U $156-60-5Methylen Chloride$ 1400U $1634-04-4Methyl tert-butyl ether$ 1400U $1634-04-4Methyl tert-butyl ether$ 1400U $1634-04-4Methyl tert-butyl ether$ 1400U $1634-03-4Methyl tert-butyl ether$ 1400U $163-9-2$	75-35-41.1-Dichloroethene		ł
74-88-4Iodomethane1400U $75-15-0Carbon Disulfide1400U75-09-2Methylene Chloride1400U156-60-5trans-1, 2-Dichloroethene1400U1634-04-4Methyl tert-butyl ether1400U1634-04-4Methyl tert-butyl ether1400U1634-04-4Methyl tert-butyl ether1400U1634-04-4Methyl tert-butyl ether1400U1634-04-4Methyl acetate1400U108-05-4Vinyl acetate1400U108-05-42, 2-Butanone1400U108-05-42, 2-Dichloroethene1400U190-20-72, 2-Dichloroptopane1400U74-97-56romchloromethane1400U74-97-5Chloroform1400U71-55-61, 1, 1-Trichloroethane1400U107-06-21, 2-Dichloroptopene1400U107-06-21, 2-Dichloroptopene1400U107-06-21, 2-Dichloroptopene1400U107-06-21, 2-Dichloroptopene1400U107-06-21, 2-Dichloroptopene1400U107-06-21, 2-Dichloroptopene1400U100-1-61, 2-Dichloroptopene1400U100-1-61, 2-Dichloroptopene1400U10061-01-51, 3-Dichloroptopene1400U10061-01-51, 3-Dichloroptopene1400U10061-02-61, 3-Dichloroptopene1400U10061-02-61, 3-Dichloroptopene1400$		1400	Ū
75-15-0Carbon Disulfide1400 U $75-09-2Methylene Chloride$ 1400 U $156-60-5trans-1, 2-Dichloroethene$ 1400 U $1634-04-4Methyl tert-butyl ether$ 1400 U $108-05-4Vinyl acetate$ 1400 U $108-05-4Vinyl acetate$ 1400 U $108-05-4Vinyl acetate$ 1400 U $156-59-22, 2-Dichloroethene$ 1400 U $156-59-22, 2-Dichloropropane$ 1400 U $74-97-5Bromochloromethane$ 1400 U $107-66-3Chloroform$ 1400 U $107-66-3Chloroform$ 1400 U $107-66-2Carbon Tetrachloride$ 1400 U $107-66-2$		1400	Ū
75-09-2Methylene Chloride1400 U $156-60-5trans-1, 2-Dichloroethene$ 1400 U $1634-04-4Methyl tert-butyl ether$ 1400 U $75-34-31, 1-Dichloroethane$ 1400 U $108-05-4Vinyl acetate$ 1400 U $78-93-32-Butanone$ 1400 U $156-59-2cis-1, 2-Dichloroethene$ 1400 U $590-20-72, 2-Dichloropropane$ 1400 U $74-97-5Bromochloromethane$ 1400 U $71-55-61, 1, 1, 1-Trichloroethane$ 1400 U $107-06-21, 2-Dichloropropane$ 1400 U $107-06-21, 2-Dichloroethane$ 1400 U $107-06-21, 2-Dichloropene$ 1400 U $107-06-21, 2-Dichloroethane$ 1400 U $107-06-21, 2-Dichloropene$ 1400 U $107-06-21, 2-Dichloropene$ 1400 U $107-06-21, 2-Dichloropene$ 1400 U $100-01-61, 2-Dichloropene$ 1400 U $100-01-61, 2-Dichloropene$ 1400 U $100-01-6$		1400	U
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1400	U
1634-04-4Methyl tert-butyl ether       1400 U         75-34-31,1-Dichloroethane       1400 U         108-05-4Vinyl acetate       1400 U         78-93-32-Butanone       1400 U         156-59-2cis-1,2-Dichloroethene       1400 U         93-32,2-Butanone       1400 U         156-59-22,2-Dichloroethene       1400 U         93-32,2-Dichloropropane       1400 U         93-32,2-Dichloropropane       1400 U         93-32,2-Dichloropropane       1400 U         93-32,2-Dichloropropane       1400 U         93-20-72,2-Dichloropropane       1400 U         93-32,2-Dichloropropane       1400 U         93-32,2-Dichloropropane       1400 U         93-3		1400	U
75-34-31,1-Dichloroethane       1400 U         108-05-4Vinyl acetate       1400 U         78-93-32-Butanone       1400 U         156-59-2cis-1,2-Dichloroethene       1400 U         590-20-72,2-Dichloropropane       1400 U         74-97-5Bromochloromethane       1400 U         07-66-3Chloroform       1400 U         175-56		1400	U
108-05-4Vinyl acetate       1400 U         78-93-32-Butanone       1400 U         156-59-2cis-1,2-Dichloroethene       1400 U         590-20-72,2-Dichloropropane       1400 U         74-97-5Bromochloromethane       1400 U         67-66-3Chloroform       1400 U         71-55-6Chloroform       1400 U         563-58-61,1,1-Trichloroethane       1400 U         56-23-5Carbon Tetrachloride       1400 U         107-06-2Carbon Tetrachloride       1400 U         107-06-2	75-34-31,1-Dichloroethane	1400	U
78-93-32-Butanone       1400 U         156-59-2cis-1, 2-Dichloroethene       1400 U         590-20-72, 2-Dichloropropane       1400 U         74-97-5Bromochloromethane       1400 U         67-66-3Chloroform       1400 U         71-55-61, 1, 1-Trichloroethane       1400 U         563-58-61, 1-Dichloropropene       1400 U         56-23-5Carbon Tetrachloride       1400 U         107-06-2Benzene       1400 U         78-87-5		1400	υ
590-20-72,2-Dichloropropane       1400 U         74-97-5Bromochloromethane       1400 U         67-66-3Chloroform       1400 U         71-55-6Chloroform       1400 U         563-58-61,1,1-Trichloroethane       1400 U         56-23-5Carbon Tetrachloride       1400 U         107-06-21,2-Dichloroethane       1400 U         71-43-2Benzene       1400 U         74-95-3Trichloroethane       1400 U         74-95-3Benzene       1400 U         74-95-3Bromodichloropropane       1400 U         74-95-3Bromodichloropropane       1400 U         74-95-3		1400	U
74-97-5Bromochloromethane       1400 U         67-66-3Chloroform       1400 U         71-55-6Chloroform       1400 U         563-58-61,1,1-Trichloroethane       1400 U         56-23-5Carbon Tetrachloride       1400 U         107-06-21,2-Dichloroethane       1400 U         71-43-2Benzene       1400 U         78-87-51,2-Dichloropropane       1400 U         74-95-3Benzene       1400 U         74-95-3	156-59-2cis-1,2-Dichloroethene	1400	U
67-66-3Chloroform       1400       U         71-55-61,1,1-Trichloroethane       1400       U         563-58-61,1-Dichloropropene       1400       U         56-23-5Carbon Tetrachloride       1400       U         107-06-21,2-Dichloroethane       1400       U         71-43-2Benzene       1400       U         79-01-6Trichloroethene       1400       U         78-87-51,2-Dichloropropane       1400       U         74-95-3Bromodichloropropane       1400       U         75-27-4Bromodichloromethane       1400       U         10061-01-5cis-1,3-Dichloropropene       1400       U         108-88-3Toluene       1400       U         10061-02-6trans-1,3-Dichloropropene       1400       U	590-20-72,2-Dichloropropane	1400	U
71-55-61,1,1-Trichloroethane       1400       U         563-58-61,1-Dichloropropene       1400       U         56-23-5Carbon Tetrachloride       1400       U         107-06-21,2-Dichloroethane       1400       U         71-43-2Benzene       1400       U         79-01-6Trichloroethene       1400       U         78-87-51,2-Dichloropropane       1400       U         74-95-3Dibromomethane       1400       U         75-27-4Bromodichloromethane       1400       U         10061-01-5cis-1,3-Dichloropropene       1400       U         108-88-3Toluene       1400       U         10061-02-6trans-1,3-Dichloropropene       1400       U	74-97-5Bromochloromethane	1400	U
563-58-61,1-Dichloropropene       1400 U         56-23-5Carbon Tetrachloride       1400 U         107-06-21,2-Dichloroethane       1400 U         71-43-2Benzene       1400 U         79-01-6Trichloroethene       1400 U         78-87-51,2-Dichloropropane       1400 U         74-95-3Dibromomethane       1400 U         10061-01-5cis-1,3-Dichloropropene       1400 U         108-10-14-Methyl-2-pentanone       1400 U         108-88-3Toluene       1400 U         10061-02-6trans-1,3-Dichloropropene       1400 U	67-66-3Chloroform	1400	U
56-23-5Carbon Tetrachloride       1400 U         107-06-2Carbon Tetrachloride       1400 U         71-43-2Benzene       1400 U         79-01-6Trichloroethene       1400 U         78-87-51,2-Dichloropropane       1400 U         74-95-3Dibromomethane       1400 U         75-27-4Bromodichloromethane       1400 U         10061-01-5cis-1,3-Dichloropropene       1400 U         108-88-3Toluene       1400 U         10061-02-6trans-1,3-Dichloropropene       1400 U	71-55-61,1,1-Trichloroethane	1400	ש
107-06-21, 2-Dichloroethane       1400 U         71-43-2Benzene       1400 U         79-01-6Trichloroethene       1400 U         78-87-51, 2-Dichloropropane       1400 U         74-95-3Dibromomethane       1400 U         75-27-4Bromodichloromethane       1400 U         10061-01-5cis-1, 3-Dichloropropene       1400 U         108-88-3Toluene       1400 U         10061-02-6trans-1, 3-Dichloropropene       1400 U		1400	U
71-43-2Benzene       1400 U         79-01-6Trichloroethene       1400 U         78-87-5Trichloropropane       1400 U         74-95-3Dibromomethane       1400 U         75-27-4Bromodichloromethane       1400 U         10061-01-5cis-1, 3-Dichloropropene       1400 U         108-10-14-Methyl-2-pentanone       1400 U         10061-02-6trans-1, 3-Dichloropropene       1400 U		1400	U
79-01-6Trichloroethene       1400       U         78-87-51,2-Dichloropropane       1400       U         74-95-3Dibromomethane       1400       U         75-27-4Bromodichloromethane       1400       U         10061-01-5cis-1,3-Dichloropropene       1400       U         108-10-14-Methyl-2-pentanone       1400       U         108-88-3Toluene       1400       U         10061-02-6trans-1,3-Dichloropropene       1400       U		1400	U
78-87-51,2-Dichloropropane       1400       U         74-95-3Dibromomethane       1400       U         75-27-4Bromodichloromethane       1400       U         10061-01-5cis-1,3-Dichloropropene       1400       U         108-10-14-Methyl-2-pentanone       1400       U         108-88-3Toluene       1400       U         10061-02-6trans-1,3-Dichloropropene       1400       U		1400	U
74-95-3Dibromomethane       1400 U         75-27-4Bromodichloromethane       1400 U         10061-01-5cis-1,3-Dichloropropene       1400 U         108-10-14-Methyl-2-pentanone       1400 U         108-88-3Toluene       1400 U         10061-02-6trans-1,3-Dichloropropene       1400 U		1400	U
75-27-4Bromodichloromethane       1400       U         10061-01-5cis-1,3-Dichloropropene       1400       U         108-10-14-Methyl-2-pentanone       1400       U         108-88-3Toluene       1400       U         10061-02-6trans-1,3-Dichloropropene       1400       U		1400	U
10061-01-5cis-1,3-Dichloropropene       1400 U         108-10-14-Methyl-2-pentanone       1400 U         108-88-3Toluene       1400 U         10061-02-6trans-1,3-Dichloropropene       1400 U			1 -
108-10-14-Methyl-2-pentanone       1400 U         108-88-3Toluene       1400 U         10061-02-6trans-1,3-Dichloropropene       1400 U			-
108-88-3Toluene       1400 U         10061-02-6trans-1,3-Dichloropropene       1400 U	10061-01-5cis-1,3-Dichloropropene		1
10061-02-6trans-1,3-Dichloropropene 1400 U			1 -
10061-02-6trans-1,3-Dichloropropene       1400       U         79-00-51,1,2-Trichloroethane       1400       U	108-88-3Toluene		
79-00-51,1,2-Trichloroethane1400 U	10061-02-6trans-1,3-Dichloropropene	1400	ט
	79-00-51,1,2-Trichloroethane	1400	ប
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FORM I VOA

EPA SAMPLE NO.

VEW-1 8-12'DL Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM SAS No.: SDG No.: MF1104 Case No.: Matrix: (soil/water) SOIL Lab Sample ID: F1104-08BDL Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9850 Level: (low/med) MED Date Received: 08/10/07 % Moisture: not dec. 17 Date Analyzed: 08/24/07 Dilution Factor: 4.0. GC Column: DB-624 ID: 0.25 (mm) Soil Extract Volume: 5(mL) Soil Aliquot Volume: 100.0(uL) CONCENTRATION UNITS: COMPOUND (ug/L or ug/Kg) UG/KG CAS NO. 0

142-28-9-----1,3-Dichloropropane 1400 U 127-18-4----Tetrachloroethene 1400 U 591-78-6----2-Hexanone 1400 U 124-48-1-----Dibromochloromethane 1400 U 106-93-4----1,2-Dibromoethane 1400 U 108-90-7-----Chlorobenzene 1400 U 630-20-6-----1,1,1,2-Tetrachloroethane 1400 U 100-41-4----Ethylbenzene 2600 D -----m,p-Xylene 9100 D 95-47-6----o-Xylene 6000 D 15000 D 1400 U 75-25-2----Bromoform 1400 U 2600 D 98-82-8-----Isopropylbenzene 79-34-5-----1,1,2,2-Tetrachloroethane 1400 U 108-86-1----Bromobenzene 1400 U 96-18-4-----1,2,3-Trichloropropane 1400 U 103-65-1----n-Propylbenzene 5400 D 95-49-8----2-Chlorotoluene 1400 U 108-67-8-----1,3,5-Trimethylbenzene 21000 D 106-43-4----4-Chlorotoluene 1400 U 98-06-6-----tert-Butylbenzene 1400 U 95-63-6-----1,2,4-Trimethylbenzene 48000 D 135-98-8-----sec-Butylbenzene 8100 D 99-87-6-----4-Isopropyltoluene 12000 D 541-73-1-----1,3-Dichlorobenzene 1400 U 106-46-7-----1, 4-Dichlorobenzene 1400 U 104-51-8----n-Butylbenzene 25000 D 95-50-1-----1, 2-Dichlorobenzene 1400 U 96-12-8-----1, 2-Dibromo-3-chloropropane 1400 U 120-82-1-----1,2,4-Trichlorobenzene\_ 1400|U 87-68-3-----Hexachlorobutadiene 1400 U 91-20-3-----Naphthalene 8600 D 87-61-6-----1,2,3-Trichlorobenzene 1400 U

FORM I VOA

### EPA SAMPLE NO. 1A VOLATILE ORGANICS ANALYSIS DATA SHEET VEW-2 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-12B Sample wt/vol: 4.7 (g/mL) G Lab File ID: V118916 Date Received: 08/10/07 Level: (low/med) LOW Date Analyzed: 08/23/07 % Moisture: not dec. 22 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_(mL)

COMPOUND

CAS NO.

CONCENTRATION UNITS:

Soil Aliquot Volume: (uL)

Q

(ug/L or ug/Kg) UG/KG

		<del></del>
75-71-8Dichlorodifluoromethane	7	υ
74-87-3Chloromethane	7	ט
75-01-4Vinyl Chloride	7	U
74-83-9Bromomethane	7	U
75-00-3Chloroethane	7	υ
75-69-4Trichlorofluoromethane	7	U
75-35-41,1-Dichloroethene	7	U
67-64-1Acetone	7	U
74-88-4Iodomethane	7	U
75-15-0Carbon Disulfide	7	U
75-09-2Methylene Chloride	7	U
156-60-5trans-1,2-Dichloroethene	7	U
1634-04-4Methyl tert-butyl ether	7	υ
75-34-31,1-Dichloroethane	7	υ
108-05-4Vinyl acetate	7	U
78-93-32-Butanone	7	U
156-59-2cis-1,2-Dichloroethene	6	J
590-20-72,2-Dichloropropane	7	U
74-97-5Bromochloromethane	7	U
67-66-3Chloroform	7	U
71-55-61,1,1-Trichloroethane	7	U
563-58-61,1-Dichloropropene	7	U
56-23-5Carbon Tetrachloride	7	υ
107-06-21,2-Dichloroethane	7	U
71-43-2Benzene	7	
79-01-6Trichloroethene	2	J
78-87-51,2-Dichloropropane	7	U
74-95-3Dibromomethane	7	U
75-27-4Bromodichloromethane	7	U
10061-01-5cis-1,3-Dichloropropene	7	ט
108-10-14-Methyl-2-pentanone	7	U
108-88-3Toluene	7	U
10061-02-6trans-1,3-Dichloropropene	7	U
79-00-51,1,2-Trichloroethane	7	ប
	1	1

1A VOLATILE ORGANICS ANALYSIS DA	EPA SAMPLE NO.
	VEW-2 12-16'
Lab Code: MITKEM Case No.: SAS	NO.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: F1104-12B
Sample wt/vol: 4.7 (g/mL) G	Lab File ID: V1I8916
Level: (low/med) LOW	Date Received: 08/10/07
% Moisture: not dec. 22	Date Analyzed: 08/23/07
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(mL)	Soil Aliquot Volume:(uL)
	ONCENTRATION UNITS: ug/L or ug/Kg) UG/KG Q
142-28-91, 3-Dichloropropan         127-18-4Tetrachloroethene         591-78-62-Hexanone         124-48-1Dibromochloromethat         106-93-41, 2-Dibromocthane         108-90-7Chlorobenzene         630-20-61, 1, 1, 2-Tetrachloro         100-41-4Ethylbenzene	7       U         ne       7         7       U         7       U         7       U         7       U         7       U         7       U         7       U         2       J         4       J         31

FORM I VOA

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET VEW-2 4-8' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-10B Sample wt/vol: 5.1 (g/mL) G Lab File ID: V1I8640 Level: (low/med) LOW Date Received: 08/10/07 % Moisture: not dec. 9 Date Analyzed: 08/14/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (mL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS:

COMPOUND

CAS NO.

(ug/L or ug/Kg) UG/KG

$\cap$	
U.	

		1	- <u></u> 1
75-71-8	Dichlorodifluoromethane	5	υ
	Chloromethane	5	
	Vinyl Chloride	5	
	Bromomethane	5	U
	Chloroethane	5	υ
75-69-4	Trichlorofluoromethane	5	υ
	1,1-Dichloroethene	5	U I
67-64-1		5	υ
74-88-4	Iodomethane	5	υ
75-15-0	Carbon Disulfide	- 5	U .
75-09-2	Methylene Chloride	5	U U
	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	υ
	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
	Bromochloromethane	5	U
	Chloroform	5	U
	1,1,1-Trichloroethane	5	U .
	1,1-Dichloropropene	5	U
	Carbon Tetrachloride	5	
	1,2-Dichloroethane	5	
71-43-2		5	
	Trichloroethene	5	
	1,2-Dichloropropane	5	
	Dibromomethane	5	
	Bromodichloromethane	5	
	cis-1,3-Dichloropropene	5	
	4-Methyl-2-pentanone	5	
108-88-3		5	
	trans-1,3-Dichloropropene	5	ប
79-00-5	1,1,2-Trichloroethane	5	υ
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# FORM I VOA

EPA SAMPLE NO.

VOLATILE	ORGANICS ANALYSI	S DATA SHEET	1		,
			175	W-2 4-8'	
Lab Name: MITKEM CORE	PORATION	Contract:		SW-2 4-0	
Lab Code: MITKEM (	Case No.:	SAS No.:	SDG No.:	MF1104	
Matrix: (soil/water)	SOIL	Lab :	Sample ID: F11	.04-10B	
Sample wt/vol:	5.1 (g/mL) G	Lab 1	File ID: V1I	8640	
Level: (low/med)	LOW	Date	Received: 08/	10/07	
% Moisture: not dec.	9	Date	Analyzed: 08/	14/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilut	tion Factor: 1	0	
Soil Extract Volume:_	(mL)	Soil	Aliquot Volum	ne:	(uL)
CAS NO.	COMPOUND	CONCENTRAT: (ug/L or ug	ION UNITS: g/Kg) UG/KG	Q	
$\begin{array}{c} 127 - 18 - 4 \\ 591 - 78 - 6 \\ 124 - 48 - 1 \\ 106 - 93 - 4 \\ 108 - 90 - 7 \\ 630 - 20 - 6 \\ 100 - 41 - 4 \\ 95 - 47 - 6 \\ 1330 - 20 - 7 \\ 100 - 42 - 5 \\ 100 - 42 - 5 \\ 75 - 25 - 2 \\ 98 - 82 - 8 \\ 79 - 34 - 5 \\ 98 - 82 - 8 \\ 108 - 86 - 1 \\ 98 - 82 - 8 \\ 108 - 86 - 1 \\ 96 - 18 - 4 \\ 103 - 65 - 1 \\ 96 - 18 - 4 \\ 95 - 49 - 8 \\ 103 - 65 - 1 \\ 95 - 49 - 8 \\ 103 - 65 - 1 \\ 95 - 49 - 8 \\ 108 - 67 - 8 \\ 108 - 67 - 8 \\ 108 - 67 - 8 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 104 - 51 - 8 \\ 95 - 50 - 1 \\ 96 - 12 - 8 \\ 120 - 82 - 1 \\ 87 - 68 - 3 \\ 91 - 20 - 3 \end{array}$	Dibromochlorom 1,2-Dibromoeth Chlorobenzene 1,1,1,2-Tetrac -Ethylbenzene m,p-Xylene Nylene Xylene (Total) Styrene Styrene Isopropylbenze 1,1,2,2-Tetrac -Bromobenzene 1,2,3-Trichlor n-Propylbenzen 2-Chlorotoluen 1,3,5-Trimethy -4-Chlorotoluen tert-Butylbenze 1,2,4-Trimethy -sec-Butylbenze 1,2-Dichlorobe 1,2-Dichlorobe 1,2-Dibromo-3- 1,2,4-Trichlor 1,2,4-Trichlor	ene		5 5 5 5 5 5 5 5 5 5 5 5 5 5	

# FORM I VOA

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-2 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-11B Sample wt/vol: 4.9 (g/mL) G Lab File ID: V5H9819 Level: (low/med) Date Received: 08/10/07 MED% Moisture: not dec. 19 Date Analyzed: 08/23/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: 5(mL) Soil Aliquot Volume: 100.0(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1	· · · · · · · · · · · · · · · · · · ·
74-87-3Chloromethane $370$ U $75-01-4Vinyl$ $Chloride$ $370$ U $74-83-9Bromomethane$ $370$ U $75-00-3Chloroethane$ $370$ U $75-09-3Chloroethane$ $370$ U $75-69-4Chloroethane$ $370$ U $75-69-4$	75-71-8Dichlorodifluoromethane	370	υ
75-01-4Vinyl Chloride       370       U $74-83-9Bromomethane       370       U         75-00-3Chloroethane       370       U         75-69-4Chloroethane       370       U         75-69-4Chloroethane       370       U         75-35-4$			
74-83-9       Bromomethane       370       U $75-00-3$ Chloroethane       370       U $75-69-4$ Trichlorofluoromethane       370       U $75-35-4$ 1Dichloroethene       370       U $67-64-1$		370	υ
$\begin{array}{llllllllllllllllllllllllllllllllllll$		370	υ
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	75-00-3Chloroethane	370	υ
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	75-69-4Trichlorofluoromethane	370	υ
74-88-4       Iodomethane       370       U $75-15-0Carbon$ Disulfide       370       U $75-09-2Carbon$ Disulfide       370       U $156-60-5$	75-35-41,1-Dichloroethene	370	U (
75-15-0Carbon Disulfide       370 U         75-09-2Methylene Chloride       370 U         156-60-5Trans-1, 2-Dichloroethene       370 U         1634-04-4Methyl tert-butyl ether       370 U         75-34-3Vinyl acetate       370 U         108-05-4Vinyl acetate       370 U         156-59-22-Butanone       370 U         156-59-22, 2-Dichloroethene       370 U         590-20-72, 2-Dichloropropane       370 U         74-97-5Bromochloromethane       370 U         17-55-61, 1, 1-Trichloroethane       370 U         107-06-2Chloroform       370 U         107-06-2	67-64-1Acetone	370	U
75-09-2Methylene Chloride       370 U         156-60-5trans-1, 2-Dichloroethene       370 U         1634-04-4Methyl tert-butyl ether       370 U         75-34-3Nethyl tert-butyl ether       370 U         108-05-4Wethyl tert-butyl ether       370 U         108-05-4Vinyl acetate       370 U         78-93-32-Butanone       370 U         156-59-2cis-1, 2-Dichloroethene       370 U         590-20-72, 2-Dichloropropane       370 U         74-97-5Bromochloromethane       370 U         07-66-3Chloroform       370 U         71-55-6Chloropropene       370 U         95-25Chloroform       370 U         96-23-5Chloroform       370 U         97-01-6		370	U
156-60-5trans-1,2-Dichloroethene       370       U         1634-04-4Methyl tert-butyl ether       370       U         75-34-31,1-Dichloroethane       370       U         108-05-4Vinyl acetate       370       U         108-05-4Vinyl acetate       370       U         108-05-4Vinyl acetate       370       U         108-05-4Vinyl acetate       370       U         108-05-4		370	ט '
1634-04-4Methyl tert-butyl ether       370 U         75-34-31,1-Dichloroethane       370 U         108-05-4Vinyl acetate       370 U         78-93-32-Butanone       370 U         156-59-2cis-1,2-Dichloroethene       370 U         590-20-72,2-Dichloropropane       370 U         74-97-5Bromochloromethane       370 U         67-66-3Chloroform       370 U         71-55-6Chloroform       370 U         563-58-61,1,1-Trichloroethane       370 U         56-23-5Carbon Tetrachloride       370 U         107-06-2Benzene       370 U         71-43-2Benzene       370 U         74-95-3Bromodichloropropane       370 U         74-95-3	75-09-2Methylene Chloride	370	U
75-34-31,1-Dichloroethane       370       U         108-05-4Vinyl acetate       370       U         78-93-32-Butanone       370       U         156-59-2cis-1,2-Dichloroethene       370       U         590-20-72,2-Dichloropropane       370       U         74-97-5Bromochloromethane       370       U         67-66-3Chloroform       370       U         71-55-6Chloroform       370       U         71-55-6Chloropropene       370       U         563-58-6Carbon Tetrachloride       370       U         107-06-2Carbon Tetrachloride       370       U         107-06-2		370	ប
108-05-4Vinyl acetate       370 U         78-93-32-Butanone       370 U         156-59-22.2-Dichloroethene       370 U         590-20-72.2-Dichloropropane       370 U         74-97-5Bromochloromethane       370 U         67-66-3Chloroform       370 U         71-55-6Chloroform       370 U         563-58-6Chloroform       370 U         563-58-6	1634-04-4Methyl tert-butyl ether	370	U
78-93-32-Butanone       370       U         156-59-2cis-1,2-Dichloroethene       370       U         590-20-72,2-Dichloropropane       370       U         74-97-5Bromochloromethane       370       U         67-66-3Chloroform       370       U         71-55-6		370	ប
156-59-2cis-1, 2-Dichloroethene       370       U         590-20-72, 2-Dichloropropane       370       U         74-97-5Bromochloromethane       370       U         67-66-3Chloroform       370       U         71-55-6Chloroform       370       U         563-58-6		370	U
590-20-72, 2-Dichloropropane       370 U         74-97-5Bromochloromethane       370 U         67-66-3Chloroform       370 U         71-55-6Chloroform       370 U         563-58-61, 1, 1-Trichloroethane       370 U         56-23-5Carbon Tetrachloride       370 U         107-06-21, 2-Dichloroethane       370 U         71-43-2Benzene       370 U         78-87-51, 2-Dichloroethane       370 U         78-87-5Benzene       370 U         74-95-3Bromodichloropropane       370 U         74-95-3		370	U
74-97-5Bromochloromethane       370 U         67-66-3Chloroform       370 U         71-55-6Chloroform       370 U         563-58-61,1-Dichloropene       370 U         56-23-5Carbon Tetrachloride       370 U         107-06-21,2-Dichloropethane       370 U         71-43-2Benzene       370 U         79-01-6Trichloropethane       370 U         74-95-3Dibromomethane       370 U         75-27-4Bromodichloropethane       370 U         10061-01-5cis-1,3-Dichloropropene       370 U         108-10-1Bromodichloropropene       370 U         108-88-3			i I
67-66-3Chloroform       370       U         71-55-61,1,1-Trichloroethane       370       U         563-58-61,1-Dichloropropene       370       U         56-23-5Carbon Tetrachloride       370       U         107-06-21,2-Dichloroethane       370       U         71-43-2Benzene       370       U         79-01-6Trichloroethene       370       U         78-87-51,2-Dichloropropane       370       U         74-95-3Dibromomethane       370       U         75-27-4Bromodichloromethane       370       U         10061-01-5cis-1,3-Dichloropropene       370       U         108-10-14-Methyl-2-pentanone       370       U         108-88-3Toluene       370       U         10061-02-6trans-1,3-Dichloropropene       370       U		370	U
71-55-61,1,1-Trichloroethane       370       U         563-58-61,1-Dichloropropene       370       U         56-23-5Carbon Tetrachloride       370       U         107-06-21,2-Dichloroethane       370       U         71-43-2Benzene       370       U         79-01-6Trichloroethene       370       U         78-87-51,2-Dichloropropane       370       U         74-95-3Dibromomethane       370       U         75-27-4Bromodichloromethane       370       U         10061-01-5cis-1,3-Dichloropropene       370       U         108-10-14-Methyl-2-pentanone       370       U         108-88-3Toluene       370       U         10061-02-6trans-1,3-Dichloropropene       370       U		370	υ
563-58-61,1-Dichloropropene       370 U         56-23-5Carbon Tetrachloride       370 U         107-06-21,2-Dichloroethane       370 U         71-43-2Benzene       370 U         79-01-6Trichloroethene       370 U         78-87-51,2-Dichloropropane       370 U         74-95-3Dibromomethane       370 U         75-27-4Bromodichloromethane       370 U         10061-01-5cis-1,3-Dichloropropene       370 U         108-10-14-Methyl-2-pentanone       370 U         108-88-3Toluene       370 U         10061-02-6trans-1,3-Dichloropropene       370 U			-
56-23-5Carbon Tetrachloride       370 U         107-06-2			1 1
107-06-21, 2-Dichloroethane       370 U         71-43-2Benzene       370 U         79-01-6Trichloroethene       370 U         78-87-5Trichloroethene       370 U         74-95-3Dibromomethane       370 U         75-27-4Bromodichloromethane       370 U         10061-01-5cis-1, 3-Dichloropropene       370 U         108-10-14-Methyl-2-pentanone       370 U         108-88-3Toluene       370 U         10061-02-6trans-1, 3-Dichloropropene       370 U			
71-43-2Benzene       370 U         79-01-6Trichloroethene       370 U         78-87-51,2-Dichloropropane       370 U         74-95-3Dibromomethane       370 U         75-27-4Bromodichloromethane       370 U         10061-01-5cis-1,3-Dichloropropene       370 U         108-10-14-Methyl-2-pentanone       370 U         108-88-3Toluene       370 U         10061-02-6trans-1,3-Dichloropropene       370 U	56-23-5Carbon Tetrachloride		-
79-01-6Trichloroethene       370       U         78-87-51,2-Dichloropropane       370       U         74-95-3Dibromomethane       370       U         75-27-4Bromodichloromethane       370       U         10061-01-5cis-1,3-Dichloropropene       370       U         108-10-14-Methyl-2-pentanone       370       U         108-88-3Toluene       370       U         10061-02-6trans-1,3-Dichloropropene       370       U			
78-87-51,2-Dichloropropane       370       U         74-95-3Dibromomethane       370       U         75-27-4Bromodichloromethane       370       U         10061-01-5Bromodichloromethane       370       U         108-10-1			
74-95-3Dibromomethane       370 U         75-27-4Bromodichloromethane       370 U         10061-01-5cis-1,3-Dichloropropene       370 U         108-10-14-Methyl-2-pentanone       370 U         108-88-3Toluene       370 U         10061-02-6trans-1,3-Dichloropropene       370 U			-
75-27-4Bromodichloromethane       370       U         10061-01-5cis-1,3-Dichloropropene       370       U         108-10-14-Methyl-2-pentanone       370       U         108-88-3Toluene       370       U         10061-02-6trans-1,3-Dichloropropene       370       U			
10061-01-5cis-1,3-Dichloropropene       370       U         108-10-14-Methyl-2-pentanone       370       U         108-88-3Toluene       370       U         10061-02-6trans-1,3-Dichloropropene       370       U			
108-10-14-Methyl-2-pentanone       370 U         108-88-3Toluene       370 U         10061-02-6trans-1,3-Dichloropropene       370 U			
108-88-3Toluene       370 U         10061-02-6trans-1,3-Dichloropropene       370 U			
10061-02-6trans-1,3-Dichloropropene 370 U			
79-00-51,1,2-Trichloroethane 370 U			
	79-00-51,1,2-Trichloroethane	370	υ

FORM I VOA

EPA SAMPLE NO.

VEW-2 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-11B Sample wt/vol: 4.9 (g/mL) G Lab File ID: V5H9819 Level: (low/med) MED Date Received: 08/10/07 Date Analyzed: 08/23/07 % Moisture: not dec. 19 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: Soil Aliquot Volume: 100.0(uL) 5(mL) CONCENTRATION UNITS: CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG

Q

		······
142-28-91,3-Dichloropropane	370	υ
127-18-4Tetrachloroethene	370	
591-78-62-Hexanone	370	1 -
124-48-1Dibromochloromethane	370	1 1
106-93-41,2-Dibromoethane	370	1 1
108-90-7Chlorobenzene	370	-
630-20-61,1,1,1,2-Tetrachloroetha		
100-41-4Ethylbenzene	850	
m,p-Xylene	3900	
95-47-6o-Xylene	1800	
1330-20-7Xylene (Total)	5600	
100-42-5Styrene	370	
75-25-2Bromoform	370	
98-82-8Isopropylbenzene	900	
79-34-51,1,2,2-Tetrachloroetha		
108-86-1Bromobenzene	370	
96-18-41,2,3-Trichloropropane	370	
103-65-1n-Propylbenzene	2500	1 1
95-49-82-Chlorotoluene	370	
108-67-81,3,5-Trimethylbenzene	7600	
106-43-44-Chlorotoluene	,000	<u> </u>
98-06-6tert-Butylbenzene	370	-
95-63-61,2,4-Trimethylbenzene_		)
135-98-8sec-Butylbenzene	3700	
99-87-64-Isopropyltoluene	5600	
541-73-11,3-Dichlorobenzene	370	TT
106-46-71,4-Dichlorobenzene	370	1 - 1
104-51-8n-Butylbenzene	11000	
95-50-11,2-Dichlorobenzene	290	
96-12-81, 2-Dibromo-3-chloropro		
120-82-11,2,4-Trichlorobenzene	370	1
87-68-3Hexachlorobutadiene	370	1 1
91-20-3Naphthalene	2400	
87-61-61,2,3-Trichlorobenzene		$\overline{\mathbf{u}}$
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# FORM I VOA

EPA SAMPLE NO.

Lab Code: MITKEMCase No.:SAS No.:SDG No.: MF1104Matrix: (soil/water)SOILLab Sample ID: F1104-11BDLSample wt/vol:4.9 (g/mL) GLab File ID: V5H9857ALevel: (low/med)MEDDate Received: 08/10/07% Moisture: not dec. 19Date Analyzed: 08/24/07GC Column: DB-624ID: 0.25 (mm)Dilution Factor: 2.0	VOLATILE ORGANICS ANALYSIS DATA	SHEET
Lab Name: MITKEM CORPORATION       Contract:         Lab Code: MITKEM Case No.:       SAS No.:       SDG No.: MF1104         Matrix: (soil/water) SOIL       Lab Sample ID: F1104-11EDL         Sample wt/vol:       4.9 (g/mL) G       Lab File ID: V5H9857A         Level: (low/med) MED       Date Received: 08/10/07         % Moisture: not dec. 19       Date Analyzed: 08/24/07         GC Column: DB-624       ID: 0.25 (mm)       Dilution Factor: 2.0         Soil Extract Volume:       5(mL)       Soil Aliquot Volume: 100.0(ul         CONCENTRATION UNITS:       Q         75-71-8Dichlorodifluoromethane       750 U         74-87-3Dichlorodifluoromethane       750 U         75-69-4       Trichlorofluoromethane       750 U         75-71-8		VEW-2 8-12'DL
Matrix: (soil/water) SOIL       Lab Sample ID: F1104-11EDL         Sample wt/vol:       4.9 (g/mL) G       Lab File ID: V5H9857A         Level: (low/med) MED       Date Received: 08/10/07         % Moisture: not dec. 19       Date Analyzed: 08/24/07         CC Column: DB-624       ID: 0.25 (mm)       Dilution Factor: 2.0         Soil Extract Volume:       5(mL)       Soil Aliquot Volume: 100.0(uI         CONCENTRATION UNITS:       CAS NO.       COMPOUND       (ug/L or ug/Kg) UG/KG       Q         75-71-8Chloromethane       750 U         75-01-4       Trichlorofiluoromethane       750 U         75-01-4       Trichlorofiluoromethane       750 U         75-50-4       Trichlorofiluoromethane       750 U         75-50-4       Trichlorofiluoromethane       750 U         75-50-4       Trichlorofiluoromethane       750 U         75-51-5       Carbon Disulfide       750 U         75-54-3       Trichlorofiluoromethane       750 U         75-34-3       Toichloroethane       750 U         16-60-5	Lab Name: MITKEM CORPORATION Contrac	
Sample wt/vol:       4.9 (g/mL) G       Lab File ID:       V5H9857A         Level:       (low/med) MED       Date Received:       08/10/07         & Moisture: not dec.       19       Date Analyzed:       08/24/07         GC Column: DB-624       ID:       0.25 (mm)       Dilution Factor:       2.0         Soil Extract Volume:       5(mL)       Soil Aliquot Volume:       100.0 (uL         CONCENTRATION UNITS:       CMPOUND       (ug/L or ug/Kg) UJ/KG       Q         75-71-8Dichlorodifluoromethane       750 U       750 U         75-69.4      Chloromethane       750 U       750 U         75-69.4	Lab Code: MITKEM Case No.: SAS No	SDG No.: MF1104
Sample wt/vol:       4.9 (g/mL) G       Lab File ID:       V5H9857A         Level:       (low/med) MED       Date Received:       08/10/07         & Moisture: not dec.       19       Date Analyzed:       08/24/07         GC Column: DB-624       ID:       0.25 (mm)       Dilution Factor:       2.0         Soil Extract Volume:       5(mL)       Soil Aliquot Volume:       100.0 (uL         CONCENTRATION UNITS:       CMPOUND       (ug/L or ug/Kg) UJ/KG       Q         75-71-8Dichlorodifluoromethane       750 U       750 U         75-69.4      Chloromethane       750 U       750 U         75-69.4	Matrix: (soil/water) SOIL	Lab Sample ID, F1104-11BDI.
Level:       (low/med)       MED       Date Received: 08/10/07         % Moisture: not dec. 19       Date Analyzed: 08/24/07         GC Column: DB-624       ID: 0.25 (mm)       Dilution Factor: 2.0         Soil Extract Volume:       5(mL)       Soil Aliquot Volume:       100.0(uI         CONCENTRATION UNITS:       CONCENTRATION UNITS:       Q         CAS NO.       COMPOUND       CONCENTRATION UNITS:       Q         75-71-8Dichlorodifluoromethane       750 U       750 U         75-69-4      Vinyl Chloride       750 U         75-69-4      Vinyl Chlorotethane       750 U         75-69-4		
* Moisture: not dec. 19       Date Analyzed: 08/24/07         SC Column: DB-624       ID: 0.25 (mm)       Dilution Factor: 2.0         Soil Extract Volume:       5 (mL)       Soil Aliquot Volume:       100.0 (uL         CONCENTRATION UNITS:       CONCENTRATION UNITS:       Q         CAS NO.       COMPOUND       CONCENTRATION UNITS:       Q         75-71-8Dichlorodifluoromethane       750 U       750 U         75-71-8Dichlorodifluoromethane       750 U       750 U         75-01-4Vinyl Chloride       750 U       750 U         75-01-4Vinyl Chlorodethane       750 U       750 U         75-69-4Trichloroethane       750 U       750 U         75-51-6Chloromethane       750 U       750 U         75-54	Sample wt/vol: 4.9 (g/mL) G	Lab File ID: V5H9857A
GC Column: DB-624       ID: 0.25 (mm)       Dilution Factor: 2.0         Soil Extract Volume:       5(mL)       Soil Aliquot Volume:       100.0(uI         CONCENTRATION UNITS:       CAS NO.       COMPOUND       (ug/L or ug/Kg) UG/KG       Q         75-71-8Chloromethane       750       U         74-87-3Chloromethane       750       U         75-71-8Chloromethane       750       U         75-71-8Chloromethane       750       U         75-71-8Chloromethane       750       U         75-71-8	Level: (low/med) MED	Date Received: 08/10/07
Soil Extract Volume:         5(mL)         Soil Aliquot Volume:         100.0(uL           CAS NO.         COMPOUND         CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG         Q           75-71-8Dicklorodifluoromethane         750 U         750 U           74-87-3Chloromethane         750 U         750 U           75-01-4Viyl Chlorodifluoromethane         750 U         750 U           75-69-4Chloromethane         750 U         750 U           75-69-4Chloromethane         750 U         750 U           75-69-4	% Moisture: not dec. 19	Date Analyzed: 08/24/07
Soil Extract Volume:         5(mL)         Soil Aliquot Volume:         100.0(uL           CAS NO.         COMPOUND         CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG         Q           75-71-8Dicklorodifluoromethane         750 U         750 U           74-87-3Chloromethane         750 U         750 U           75-01-4Viyl Chlorodifluoromethane         750 U         750 U           75-69-4Chloromethane         750 U         750 U           75-69-4Chloromethane         750 U         750 U           75-69-4	GC Column: DB-624 TD: 0.25 (mm)	-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
CAS NO.       COMPOUND       (ug/L or ug/Kg) UG/KG       Q         75-71-8Dichlorodifluoromethane       750 U       750 U         74-87-3Chloromethane       750 U       750 U         75-01-4Vinyl Chloride       750 U       750 U         74-83-9	Soil Extract Volume: 5(mL)	Soil Aliquot Volume: 100.0(uL
75-71-8Oichlorodifluoromethane $750$ U $74-87-3Chloromethane$ $750$ U $75-01-4Vinyl$ Chloride $750$ U $75-01-4Vinyl$ Chloromethane $750$ U $75-00-3Chloroethane$ $750$ U $75-00-3$	CONC	ENTRATION UNITS:
74-87-3Chloromethane $750$ U $75-01-4Vinyl$ Chloride $750$ U $74-83-9Bromomethane$ $750$ U $75-00-3Chloroethane$ $750$ U $75-69-4Trichloroethane$ $750$ U $75-69-4Chloroethane$ $750$ U $75-69-4$	CAS NO. COMPOUND (ug/	Lorug/Kg) UG/KG Q
74-87-3Chloromethane $750$ U $75-01-4Vinyl$ Chloride $750$ U $74-83-9Bromomethane$ $750$ U $75-00-3Chloroethane$ $750$ U $75-69-4Trichloroethane$ $750$ U $75-69-4Chloroethane$ $750$ U $75-69-4$		
75-01-4Vinyl Chloride $750$ U $74-83-9Bromomethane$ $750$ U $75-00-3Chloroethane$ $750$ U $75-35-4Trichlorofluoromethane$ $750$ U $75-35-4Trichlorofluoromethane$ $750$ U $75-35-4$	75-71-8Dichlorodifluorometham	ne 750 U
74-83-9Bromomethane       750       U $75-00-3Chloroethane$ 750       U $75-69-4Trichloroethane$ 750       U $75-35-4Trichloroethene$ 750       U $67-64-1Acetone$ 750       U $74-88-4Carbon Disulfide$ 750       U $75-15-0Carbon Disulfide$ 750       U $75-69-2Carbon Disulfide$ 750       U $75-69-2$	74-87-3Chloromethane	
75-00-3Chloroethane $750$ U $75-69-4$ $Trichlorofluoromethane$ $750$ U $75-35-4$ $1-Dichloroethene$ $750$ U $67-64-1Acetone$ $750$ U $74-88-4Acetone$ $750$ U $75-15-0Carbon$ $Disulfide$ $750$ U $75-09-2Methylene$ $Chloroethene$ $750$ U $156-60-5Trans-1, 2-Dichloroethene$ $750$ U $1634-04-4Methyl tert-butyl ether       750       U         75-34-31, 1-Dichloroethane 750       U         108-05-4Vinyl acetate 750       U         78-93-32 -2-Butanone       750       U         165-59-22, 2-Dichloroethene 750       U         74-97-5Bromochloromethane 750       U         74-97-5$	75-01-4Vinyl Chloride	750 U
75-69-4Trichlorofluoromethane       750 $75-35-41$ , 1-Dichloroethene       750 $67-64-1Acetone$ 750 $74-88-4Acetone$ 750 $75-35-4Acetone$ 750 $75-35-4Acetone$ 750 $75-69-2Acetone$ 750 $75-15-0Carbon$ Disulfide       750 $75-09-2Carbon$ Disulfide       750 $75-09-2Carbon$ Disulfide       750 $75-69-3Carbon$ Disulfide       750 $156-60-5$	74-83-9Bromomethane	750 U
75-35-41, 1-Dichloroethene $750$ U $67-64-1Acctone$ $750$ U $74-88-4Acctone$ $750$ U $75-15-0Acctone$ $750$ U $75-15-0Carbon$ Disulfide $750$ U $75-09-2Carbon$ Disulfide $750$ U $156-60-5Carbon$ $1.2$ Dichloroethene $750$ U $1634-04-4$	75-00-3Chloroethane	750 U
67-64-1Acetone       750 $74-88-4Iodomethane$ 750 $75-15-0Carbon Disulfide$ 750 $75-09-2Carbon Disulfide$ 750 $75-09-2Carbon Disulfide$ 750 $75-09-2Carbon Disulfide$ 750 $75-09-2Carbon Disulfide$ 750 $75-09-2$		e 750 U
74-88-4Iodomethane       750         75-15-0Carbon Disulfide       750         75-09-2Methylene Chloride       750         156-60-5trans-1,2-Dichloroethene       750         1634-04-4Methyl tert-butyl ether       750         75-34-31,1-Dichloroethane       750         108-05-4Vinyl acetate       750         74-97-5	75-35-41,1-Dichloroethene	750 U
75-15-0Carbon Disulfide       750 U         75-09-2Methylene Chloride       750 U         156-60-5trans-1, 2-Dichloroethene       750 U         1634-04-4Methyl tert-butyl ether       750 U         75-34-31, 1-Dichloroethane       750 U         108-05-4Vinyl acetate       750 U         78-93-32-Butanone       750 U         156-59-2cis-1, 2-Dichloroethene       750 U         590-20-72, 2-Dichloropropane       750 U         74-97-5Bromochloromethane       750 U         753-38-61, 1, 1-Trichloroethane       750 U         76-23-5Carbon Tetrachloride       750 U         77-43-2Benzene       750 U         78-97-5Bromodichloromethane       750 U         77-06-21, 2-Dichloroethane       750 U         77-06-21, 2-Dichloroptopane       750 U         77-06-2	67-64-1Acetone	750 U
75-09-2Methylene Chloride $750$ U $156-60-5trans-1, 2-Dichloroethene$ $750$ U $1634-04-4Methyl tert-butyl ether$ $750$ U $75-34-31, 1-Dichloroethane$ $750$ U $108-05-4Vinyl acetate$ $750$ U $78-93-32-Butanone$ $750$ U $156-59-2cis-1, 2-Dichloroethene$ $750$ U $590-20-72, 2-Dichloropropane$ $750$ U $74-97-5Bromochloromethane$ $750$ U $75-61, 1, 1-Trichloroethane$ $750$ U $75-61, 1-Dichloropropane$ $750$ U $75-61, 1-Dichloropropene$ $750$ U $75-61, 1-Dichloroptopene$ $750$ U $75-61, 2-Dichloroptopene$ $750$ U $75-61, 2-Dichloroptopene$ $750$ U $75-61, 2-Dichloroptopene$ $750$ U $75-61, 2-Dichloroptopene$ $750$ U $79-01-6Trichloroptopane$ $750$ U $79-01-6$	74-88-4Iodomethane	750 U
156-60-5trans-1, 2-Dichloroethene750U $1634-04-4Methyl tert-butyl ether$ 750U $75-34-3Nethyl tert-butyl ether$ 750U $108-05-4Vinyl acetate$ 750U $78-93-32-Butanone$ 750U $156-59-2cis-1, 2-Dichloroethene$ 750U $590-20-72, 2-Dichloropropane$ 750U $74-97-5Bromochloromethane$ 750U $67-66-3Chloroform$ 750U $755-61, 1, 1, 1-Trichloroethane$ 750U $563-58-61, 1, 1-Dichloropropene$ 750U $563-58-61, 2-Dichloropropene$ 750U $563-58-61, 2-Dichloropthane$ 750U $71-43-2Benzene$ 750U $71-43-2Benzene$ 750U $74-95-3Carbon Tetrachloride$ 750U $74-95-3Carbon Tetrachloride750U74-95-3$	75-15-0Carbon Disulfide	750 U
1634-04-4Methyl tert-butyl ether       750 U         75-34-31,1-Dichloroethane       750 U         108-05-4Vinyl acetate       750 U         78-93-32-Butanone       750 U         156-59-2cis-1,2-Dichloroethene       750 U         590-20-72,2-Dichloropropane       750 U         74-97-5Bromochloromethane       750 U         67-66-3Chloroform       750 U         71-55-6Chloroform       750 U         56-23-5Chloroform       750 U         56-23-5Chloropropene       750 U         56-23-5Chloropropene       750 U         71-43-2Benzene       750 U         75-34-3	75-09-2Methylene Chloride	750 U
75-34-31, 1-Dichloroethane       750       U         108-05-4Vinyl acetate       750       U         78-93-32-Butanone       750       U         156-59-2cis-1, 2-Dichloroethene       750       U         590-20-72, 2-Dichloropropane       750       U         74-97-5Bromochloromethane       750       U         67-66-3Bromochloromethane       750       U         71-55-6Bromochloropropene       750       U         75-5-6Bromochloromethane       750       U         71-55-6Bromochloropropene       750       U         56-23-5	156-60-5trans-1,2-Dichloroethe	ene 750 U
108-05-4Vinyl acetate       750 U         78-93-32-Butanone       750 U         156-59-2cis-1,2-Dichloroethene       750 U         590-20-72,2-Dichloropropane       750 U         74-97-5Bromochloromethane       750 U         67-66-3Chloroform       750 U         71-55-6Chloroform       750 U         756-23-5Chloroform       750 U         71-55-61,1,1-Trichloroethane       750 U         56-23-5Carbon Tetrachloride       750 U         107-06-21,2-Dichloroethane       750 U         71-43-2Benzene       750 U         74-95-3	1634-04-4Methyl tert-butyl ethe	er 750 U
108-05-4Vinyl acetate       750 U         78-93-32-Butanone       750 U         156-59-2cis-1,2-Dichloroethene       750 U         590-20-72,2-Dichloropropane       750 U         74-97-5Bromochloromethane       750 U         67-66-3Chloroform       750 U         71-55-6Chloroform       750 U         756-23-5Chloroform       750 U         71-55-61,1,1-Trichloroethane       750 U         56-23-5Carbon Tetrachloride       750 U         107-06-21,2-Dichloroethane       750 U         71-43-2Benzene       750 U         74-95-3	75-34-31,1-Dichloroethane	
78-93-32-Butanone       750       U         156-59-2cis-1, 2-Dichloroethene       750       U         590-20-72, 2-Dichloropropane       750       U         74-97-5Bromochloromethane       750       U         67-66-3Bromochloromethane       750       U         71-55-6Bromochloromethane       750       U         71-55-6	108-05-4Vinyl acetate	
156-59-2cis-1, 2-Dichloroethene       750       U         590-20-72, 2-Dichloropropane       750       U         74-97-5Bromochloromethane       750       U         67-66-3Chloroform       750       U         71-55-6Chloroform       750       U         71-55-6Chloropropene       750       U         563-58-6	78-93-32-Butanone	750 U
590-20-72, 2-Dichloropropane       750       U         74-97-5Bromochloromethane       750       U         67-66-3Chloroform       750       U         71-55-6	156-59-2cis-1,2-Dichloroethene	
74-97-5Bromochloromethane       750       U         67-66-3Chloroform       750       U         71-55-6Chloroform       750       U         563-58-61,1-Dichloropropene       750       U         5623-5Carbon Tetrachloride       750       U         107-06-2Carbon Tetrachloride       750       U         107-06-2Carbon Tetrachloride       750       U         71-43-2Benzene       750       U         79-01-6Trichloroethene       750       U         74-95-3Dibromomethane       750       U         75-27-4Bromodichloropropane       750       U         75-27-4Bromodichloromethane       750       U         10061-01-5Bromodichloropropene       750       U         108-88-3	590-20-72,2-Dichloropropane	
67-66-3Chloroform       750 U         71-55-61,1,1-Trichloroethane       750 U         563-58-61,1-Dichloropropene       750 U         56-23-5Carbon Tetrachloride       750 U         107-06-21,2-Dichloroethane       750 U         71-43-2Benzene       750 U         79-01-6Trichloroethene       750 U         78-87-51,2-Dichloropropane       750 U         74-95-3Dibromomethane       750 U         75-27-4Bromodichloropropane       750 U         75-27-4Bromodichloropropene       750 U         10061-01-5cis-1,3-Dichloropropene       750 U         108-88-3Toluene       750 U         10061-02-6trans-1,3-Dichloropropene       750 U	74-97-5Bromochloromethane	
71-55-61,1,1-Trichloroethane       750       U         563-58-61,1-Dichloropropene       750       U         56-23-5Carbon Tetrachloride       750       U         107-06-2Carbon Tetrachloride       750       U         107-06-2Carbon Tetrachloride       750       U         71-43-2Benzene       750       U         79-01-6Trichloroethene       750       U         78-87-5	67-66-3Chloroform	750 [1]
563-58-61,1-Dichloropropene       750       U         56-23-5Carbon Tetrachloride       750       U         107-06-21,2-Dichloroethane       750       U         71-43-2Benzene       750       U         79-01-6Trichloroethene       750       U         78-87-51,2-Dichloropropane       750       U         74-95-3Dibromomethane       750       U         75-27-4Bromodichloromethane       750       U         10061-01-5cis-1,3-Dichloropropene       750       U         108-10-14-Methyl-2-pentanone       750       U         10061-02-6trans-1,3-Dichloropropene       750       U         10061-02-6trans-1,3-Dichloropropene       750       U	71-55-61,1,1-Trichloroethane	750 U
56-23-5Carbon Tetrachloride       750 U         107-06-21, 2-Dichloroethane       750 U         71-43-2Benzene       750 U         79-01-6Trichloroethene       750 U         78-87-51, 2-Dichloropropane       750 U         74-95-3Dibromomethane       750 U         75-27-4Bromodichloromethane       750 U         10061-01-5cis-1, 3-Dichloropropene       750 U         108-10-14-Methyl-2-pentanone       750 U         108-88-3Toluene       750 U         10061-02-6trans-1, 3-Dichloropropene       750 U	563-58-61,1-Dichloropropene	
107-06-21, 2-Dichloroethane       750       U         71-43-2Benzene       750       U         79-01-6Trichloroethene       750       U         78-87-51, 2-Dichloropropane       750       U         74-95-3Dibromomethane       750       U         75-27-4Bromodichloromethane       750       U         10061-01-5cis-1, 3-Dichloropropene       750       U         108-10-14-Methyl-2-pentanone       750       U         108-88-3Toluene       750       U         10061-02-6trans-1, 3-Dichloropropene       750       U	56-23-5Carbon Tetrachloride	
71-43-2Benzene       750 U         79-01-6Trichloroethene       750 U         78-87-51, 2-Dichloropropane       750 U         74-95-3Dibromomethane       750 U         75-27-4Bromodichloromethane       750 U         10061-01-5cis-1, 3-Dichloropropene       750 U         108-10-14-Methyl-2-pentanone       750 U         108-88-3Toluene       750 U         10061-02-6trans-1, 3-Dichloropropene       750 U	107-06-21,2-Dichloroethane	
79-01-6Trichloroethene       750       U         78-87-51,2-Dichloropropane       750       U         74-95-3Dibromomethane       750       U         75-27-4Bromodichloromethane       750       U         10061-01-5cis-1,3-Dichloropropene       750       U         108-10-14-Methyl-2-pentanone       750       U         108-88-3Toluene       750       U         10061-02-6trans-1,3-Dichloropropene       750       U	71-43-2Benzene	
78-87-51, 2-Dichloropropane       750 U         74-95-3Dibromomethane       750 U         75-27-4Bromodichloromethane       750 U         10061-01-5cis-1, 3-Dichloropropene       750 U         108-10-14-Methyl-2-pentanone       750 U         108-88-3Toluene       750 U         10061-02-6trans-1, 3-Dichloropropene       750 U	79-01-6Trichloroethene	
74-95-3Dibromomethane       750         75-27-4Bromodichloromethane       750         10061-01-5Cis-1,3-Dichloropropene       750         108-10-14-Methyl-2-pentanone       750         108-88-3Toluene       750         10061-02-6trans-1,3-Dichloropropene       750	78-87-51,2-Dichloropropane	
75-27-4Bromodichloromethane       750       U         10061-01-5cis-1,3-Dichloropropene       750       U         108-10-14-Methyl-2-pentanone       750       U         108-88-3Toluene       750       U         10061-02-6trans-1,3-Dichloropropene       750       U	74-95-3Dibromomethane	
10061-01-5cis-1,3-Dichloropropene       750 U         108-10-14-Methyl-2-pentanone       750 U         108-88-3Toluene       750 U         10061-02-6trans-1,3-Dichloropropene       750 U	75-27-4Bromodichloromethane	750 U
108-10-14-Methyl-2-pentanone       750 U         108-88-3Toluene       750 U         10061-02-6trans-1,3-Dichloropropene       750 U	10061-01-5cis-1,3-Dichloroproper	
108-88-3Toluene         750 U           10061-02-6trans-1,3-Dichloropropene         750 U	108-10-14-Methyl-2-pentanone	
10061-02-6trans-1,3-Dichloropropene750 U	108-88-3Toluene	750 U
	10061-02-6trans-1,3-Dichloropror	oene 750 U
	79-00-51,1,2-Trichloroethane	

FORM I VOA

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA S	
Lab Name: MITKEM CORPORATION Contract	VEW-2 8-12'DL
Lab Code: MITKEM Case No.: SAS No.	.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: F1104-11BDL
	_
Sample wt/vol: 4.9 (g/mL) G	Lab File ID: V5H9857A
Level: (low/med) MED	Date Received: 08/10/07
& Moisture: not dec. 19	Date Analyzed: 08/24/07
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 2.0
Soil Extract Volume: 5(mL)	Soil Aliquot Volume: 100.0(uI
CONCE	INTRATION UNITS:
CAS NO. COMPOUND (ug/I	or ug/Kg) UG/KG Q
142-28-91, 3-Dichloropropane         127-18-4Tetrachloroethene         591-78-62-Hexanone         124-48-1Dibromochloromethane         106-93-41, 2-Dibromoethane         108-90-7Chlorobenzene         630-20-61, 1, 1, 2-Tetrachloroeth         100-41-4Ethylbenzene	510       DJ         2800       D         1200       D         4000       D         750       U         640       DJ         640       DJ         ane       750         750       U         750       U         640       DJ         ane       750         750       U         750       U         750       U         750       U         1600       D         750       U         1600       D         750       U         1600       D         750       U         14000       D         2700       D         4100       D         750       U         9600       D         750       U         750       <

FORM I VOA

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYS	IS DATA SHEET
Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: F1104-18B
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: V1I8926
Level: (low/med) LOW	Date Received: 08/10/07
% Moisture: not dec. 23	Date Analyzed: 08/23/07
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
75-71-8Dichlorodifluc 74-87-3Chloromethane 75-01-4Vinyl Chloride 74-83-9Bromomethane	6 U 6 U 6 U

75-01-4	Vinyl Chloride	6	Ū
74-83-9	Bromomethane	6	U
75-00-3	Chloroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
75-35-4	1,1-Dichloroethene	6	ט
67-64-1	Acetone	17	
	Iodomethane	6	<u></u>
	Carbon Disulfide	6	U .
75-09-2	Methylene Chloride	2	J
156-60-5	trans-1,2-Dichloroethene	6	ט
1634-04-4	Methyl tert-butyl ether	6	U
75-34-3	1,1-Dichloroethane	6	U
	Vinyl acetate	6	υ
	2-Butanone	6	U
156-59-2	cis-1,2-Dichloroethene	3	J
590-20-7	2,2-Dichloropropane	6	U
74-97-5	Bromochloromethane	6	υ
	Chloroform	6	υ
71-55-6	1,1,1-Trichloroethane	6	U
563-58-6	1,1-Dichloropropene	6	U
56-23-5	Carbon Tetrachloride	6	υ
107-06-2	1,2-Dichloroethane	6	U
71-43-2		6	υ
	Trichloroethene	6	υ
	1,2-Dichloropropane	6	U
	Dibromomethane	6	υ
	Bromodichloromethane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
108-10-1	4-Methyl-2-pentanone	6	U
108-88-3		6	U
	trans-1,3-Dichloropropene	6	U
79-00-5	1,1,2-Trichloroethane	6	U

# FORM I VOA

### EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET VEW-3 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-18B Lab File ID: V118926 Sample wt/vol: 5.0 (g/mL) G Date Received: 08/10/07 Level: (low/med) LOW % Moisture: not dec. 23 Date Analyzed: 08/23/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (mL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. (ug/L or ug/Kg) UG/KG COMPOUND Q

1A

142-28-91,3-Dichloropropane	6	U
127-18-4Tetrachloroethene	6	υ
591-78-62-Hexanone	6	ប
124-48-1Dibromochloromethane	6	ប
106-93-41,2-Dibromoethane	6	υ
108-90-7Chlorobenzene	6	ט
630-20-61,1,1,2-Tetrachloroethane	6	υ
100-41-4Ethylbenzene	9	
m,p-Xylene	21	
95-47-6o-Xylene	34	• •
1330-20-7Xylene (Total)	55	
100-42-5Styrene	6	ਹ
75-25-2Bromoform	6	υ
98-82-8Isopropylbenzene	10	
79-34-51,1,2,2-Tetrachloroethane	6	<u></u>
108-86-1Bromobenzene	6	υ
96-18-41,2,3-Trichloropropane	6	υ
103-65-1n-Propylbenzene	18	
95-49-82-Chlorotoluene	6	<u> </u>
108-67-81,3,5-Trimethylbenzene	61	
106-43-44-Chlorotoluene	6	U
98-06-6tert-Butylbenzene	6	υ
95-63-61,2,4-Trimethylbenzene	160	
135-98-8sec-Butylbenzene	16	
99-87-64-Isopropyltoluene	18	
541-73-11,3-Dichlorobenzene	6	υ
106-46-71,4-Dichlorobenzene	6	ប
104-51-8n-Butylbenzene	40	
95-50-11,2-Dichlorobenzene	10	
96-12-81,2-Dibromo-3-chloropropane	6	Ū
120-82-11,2,4-Trichlorobenzene	6	υ
87-68-3Hexachlorobutadiene	6	ប
91-20-3Naphthalene	15	B
87-61-61,2,3-Trichlorobenzene	6	υ
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EPA SAMPLE NO.

				VEW	-3 4-8'	
Lab Name: MITKEM COR	PORATION	Contract:			<u></u>	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: 1	MF1104	
Matrix: (soil/water)	SOIL	Lab Sample	e ID:	: F110	4-16B	
Sample wt/vol:	5.3 (g/mL) G	Lab File 1	ID:	V1I8	925	
Level: (low/med)	LOW	Date Rece	ived:	: 08/1	0/07	
% Moisture: not dec.	6	Date Analy	/zed:	: 08/2	3/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilution H	Facto	or: 1.	0	
Soil Extract Volume:	(mL)	Soil Aliqu	jot V	701ume	:	(uL)
CAS NO.	COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)			Q	
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-69-4\\ 75-35-4\\ 75-35-4\\ 75-15-0\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 78-93-3\\ 590-20-7\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 563-58-6\\ 56-23-5\\ 56-23-5\\ 107-06-2\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 75-27-4\\ 108-10-1\\ 108-88-3\\ 10061-02-6\\ \end{array}$	Iodomethane Carbon Disulfi Methylene Chlo trans-1,2-Dich Methyl tert-bu 1,1-Dichloroet Vinyl acetate 2-Butanone cis-1,2-Dichloropr Bromochloromet Chloroform 1,1,1-Trichlor 1,2-Dichloropr Benzene Trichloroether 1,2-Dichloropr Dibromomethane Bromodichlorom cis-1,3-Dichlorom cis-1,3-Dichlorom cis-1,3-Dichlorom	romethane thene ide oride nloroethene utyl ether thane oroethene ropane thane ropene nloride thane ropene nloride thane ne noropene nloride thane ne noropene nloride thane noropene nloride thane ne nloride thane noropene nloride thane ne nloride thane noropene nloride thane ne nloride thane noropene nloride thane ne noropene nloride thane		555555555515555555555555555555555555555	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Benzene Trichloroether 1,2-Dichloropr Dibromomethane Bromodichlorom cis-1,3-Dichlo 4-Methyl-2-per Toluene trans-1,3-Dich	ne ropane e methane propropene ntanone nloropropene		5 5 5 5 5 5 5 5 5 5 5 5	U U U U U U U U U U U U U U	

FORM I VOA

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET VEW-3 4-8' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-16B Sample wt/vol: 5.3 (g/mL) G Lab File ID: V1I8925 Level: (low/med) LOW Date Received: 08/10/07 % Moisture: not dec. 6 Date Analyzed: 08/23/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (mL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. (ug/L or ug/Kg) UG/KG COMPOUND 0 142-28-9-----1,3-Dichloropropane 5 U 127-18-4-----Tetrachloroethene 5 U 591-78-6----2-Hexanone 5 U 5 5 124-48-1----Dibromochloromethane U 106-93-4-----1,2-Dibromoethane U 5 108-90-7-----Chlorobenzene U 630-20-6-----1,1,1,2-Tetrachloroethane 5 U 100-41-4-----Ethylbenzene 5 U 5 -----m,p-Xylene U 5 U 95-47-6----o-Xylene 1330-20-7-----Xylene (Total) 5 U 100-42-5-----Styrene 5 U 5 5 5 75-25-2----Bromoform U 98-82-8-----Isopropylbenzene U 79-34-5-----1,1,2,2-Tetrachloroethane IJ 5 108-86-1----Bromobenzene U 5 U 5 U 5 U 5 U 96-18-4-----1,2,3-Trichloropropane 103-65-1----n-Propylbenzene 95-49-8-----2-Chlorotoluene 108-67-8-----1,3,5-Trimethylbenzene 106-43-4----4-Chlorotoluene 5 U 5 5 5 98-06-6-----tert-Butylbenzene U 95-63-6-----1,2,4-Trimethylbenzene U 135-98-8----sec-Butylbenzene U 5 5 99-87-6----4-Isopropyltoluene U 541-73-1-----1,3-Dichlorobenzene U 5 U 106-46-7-----1,4-Dichlorobenzene 5 U 104-51-8----n-Butylbenzene 5 U 95-50-1-----1,2-Dichlorobenzene 5 U 96-12-8-----1, 2-Dibromo-3-chloropropane

# FORM I VOA

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

87-61-6-----1,2,3-Trichlorobenzene

87-68-3-----Hexachlorobutadiene

91-20-3----Naphthalene

OLM03.0

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EPA SAMPLE NO.

VOLATILE U	RGANICS ANALYSI	S DATA SHEET	ı <del></del>	[
			VEW-3	/4 12-16'
Lab Name: MITKEM CORPO	RATION	Contract:		
Lab Code: MITKEM Ca	se No.:	SAS No.:	SDG No.: 1	MF1104
Matrix: (soil/water) S	OIL	Lab Sa	ample ID: F1104	4-03B
Sample wt/vol:	5.1 (g/mL) G	Lab Fi	lle ID: V1I8	633
Level: (low/med) L	OW	Date R	Received: 08/10	0/07
% Moisture: not dec. 2	5	Date A	Analyzed: 08/14	4/07
GC Column: DB-624 I	D: 0.25 (mm)	Diluti	on Factor: 1.0	0
Soil Extract Volume:	(mL)	Soil A	Aliquot Volume	: (u
			-	
CAS NO.	COMPOUND	CONCENTRATIC (ug/L or ug/		Q
$\begin{array}{c} 75-71-8\\ 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-69-4\\ 75-35-4\\ 75-35-4\\ 74-88-4\\ 74-88-4\\ 75-15-0\\ 75-09-2\\ 75-09-2\\ 1634-04-4\\ 75-34-3\\ 1634-04-4\\ 75-34-3\\ 78-93-3\\ 108-05-4\\ 78-93-3\\ 78-93-3\\ 74-97-5\\ 563-58-6\\ 71-55-6\\ 563-58-6\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 74-95-3\\ 74-95-3\\ 74-95-3\\ 10061-01-5\\ 108-88-3\\ 10061-02-6\\ 79-00-5\\ \end{array}$	-Chloromethane -Vinyl Chloride -Bromomethane -Chloroethane -Trichlorofluor -1,1-Dichloroet -Acetone -Iodomethane -Carbon Disulfi -Methylene Chlo -trans-1,2-Dich -Methyl tert-bu -1,1-Dichloroet -Vinyl acetate -2-Butanone -cis-1,2-Dichlor -2,2-Dichloropr -Bromochloromet -Chloroform -1,1,1-Trichlor -1,1-Dichloropr -Carbon Tetrach -1,2-Dichloropr -Dibromomethane -Bromodichlorom -is-1,3-Dichlor -4-Methyl-2-pen -trans-1,3-Dichlor	omethane hene de oride loroethene tyl ether hane oroethene opane hane oethane opene loride hane opene loride hane iethane opane hane	6 6 6 6 170 6 6 6 6 6 5	ช บ บ บ บ บ บ บ บ บ บ บ บ

FORM I VOA

EPA SAMPLE NO.

VOLATILE	ORGANICS ANALYSI	S DATA SHEET			
Lab Name: MITKEM COR	PORATION	Contract:	VEW-3	/4 12-16′	
Lab Code: MITKEM	Case No.:	SAS No.:	BDG No.:	MF1104	
Matrix: (soil/water)	SOIL	Lab Sample	ID: F110	4-03B	
Sample wt/vol:	5.1 (g/mL) G	Lab File II	): V1I8	633	
Level: (low/med)	LOW	Date Receiv	red: 08/1	0/07	
% Moisture: not dec.	25	Date Analyz	ed: 08/1	4/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fa	ctor: 1.	0	
Soil Extract Volume:	(mL)	Soil Alique	t Volume	:	_(uL)
CAS NO.	COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg) U		Q	
$\begin{array}{c} 127-18-4\\ 591-78-6\\ 124-48-1\\ 106-93-4\\ 108-90-7\\ 630-20-6\\ 100-41-4\\ 95-47-6\\ 1330-20-7\\ 100-42-5\\ 75-25-2\\ 98-82-8\\ 75-25-2\\ 98-82-8\\ 98-82-8\\ 108-86-1\\ 98-86-1\\ 96-18-4\\ 103-65-1\\ 96-18-4\\ 95-49-8\\ 108-67-8\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 99-87-6\\ 541-73-1\\ 106-46-7\\ 104-51-8\\ 95-50-1\\ 95-50-1\\ 95-50-1\\ 96-12-8\\ 120-82-1\\ 87-68-3\\ 91-20-3\end{array}$	Dibromochlorom 1,2-Dibromoeth Chlorobenzene 1,1,1,2-Tetrac Ethylbenzene m,p-Xylene o-Xylene Xylene (Total) Styrene	ene	6 6 6 20 99 50 150 6 4 6 6 6 6 6 6 6 7 9 6 8 6 14	U U U U U U U U U U U U U U U	

FORM I VOA

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1A VOLATILE ORGANICS ANALYSIS I	EPA SAMPLE NO.
	VEW-3/4 12-16'RE
Lab Name: MITKEM CORPORATION Co	ntract:
Lab Code: MITKEM Case No.: S.	AS No.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: F1104-03BRE
Sample wt/vol: 4.2 (g/mL) G	Lab File ID: V118904
Level: (low/med) LOW	Date Received: 08/10/07
% Moisture: not dec. 25	Date Analyzed: 08/23/07
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
75-71-8Dichlorodifluorodi	8       U         8       U

75-15-0Carbon Disulfide	8 U
75-09-2Methylene Chloride	8 U
156-60-5trans-1,2-Dichloroethen	e 8 U
1634-04-4Methyl tert-butyl ether	8 U
75-34-31,1-Dichloroethane	8 U
108-05-4Vinyl acetate	8 U ·
78-93-32-Butanone	8 U
156-59-2cis-1,2-Dichloroethene	8 U
590-20-72,2-Dichloropropane	8 U
74-97-5Bromochloromethane	8 U · I
67-66-3Chloroform	8 U
71-55-61,1,1-Trichloroethane	8 U
563-58-61,1-Dichloropropene	U 8
56-23-5Carbon Tetrachloride	8 U
107-06-21,2-Dichloroethane	8 U
71-43-2Benzene	8 U
79-01-6Trichloroethene	U 8
78-87-51,2-Dichloropropane	8 U
74-95-3Dibromomethane	8 U
75-27-4Bromodichloromethane	8 U
10061-01-5cis-1,3-Dichloropropene	8 U
108-10-14-Methyl-2-pentanone	8 U
108-88-3Toluene	8 U
10061-02-6trans-1,3-Dichloroprope	ne 8 U
79-00-51,1,2-Trichloroethane	8 U

### EPA SAMPLE NO. 1A VOLATILE ORGANICS ANALYSIS DATA SHEET VEW-3/4 12-16'RE Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-03BRE Sample wt/vol: 4.2 (g/mL) G Lab File ID: V1I8904 Level: (low/med) LOW Date Received: 08/10/07 % Moisture: not dec. 25 Date Analyzed: 08/23/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: \_\_\_\_\_(mL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG 0 --1 1 -

142-28-9	1,3-Dichloropropane	8	ט ו
127-18-4	Tetrachloroethene	8	ט <u>ו</u>
591-78-6	2-Hexanone	8	U
124-48-1	Dibromochloromethane	8	U
106-93-4	1,2-Dibromoethane	8	υ
108-90-7	Chlorobenzene	8	υ
630-20-6	1,1,1,2-Tetrachloroethane	8	ט ו
	Ethylbenzene	9	
	m,p-Xylene	44	
	o-Xylene	26	
	Xylene (Total)	70	
	Styrene	8	Ū
	Bromoform	8	ט ו
98-82-8	Isopropylbenzene	2	J
	1,1,2,2-Tetrachloroethane	8	U
108-86-1	Bromobenzene	8	U
96-18-4	1,2,3-Trichloropropane	8	ע
103-65-1	n-Propylbenzene	3	J
95-49-8	2-Chlorotoluene	8	U [
108-67-8	1,3,5-Trimethylbenzene	13	
106-43-4	4-Chlorotoluene	8	U
98-06-6	tert-Butylbenzene	8	U [
95-63-6	1,2,4-Trimethylbenzene	40	
135-98-8	sec-Butylbenzene	2	J
99-87-6	4-Isopropyltoluene	3	J
	1,3-Dichlorobenzene	8	U
	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	6	J
	1,2-Dichlorobenzene	2	J
96-12-8	1,2-Dibromo-3-chloropropane	8	υ
120-82-1	1,2,4-Trichlorobenzene	8	υ
87-68-3	Hexachlorobutadiene	8	υ
	Naphthalene	10	В
87-61-6	1,2,3-Trichlorobenzene	8	υ

EPA SAMPLE NO.

VEW-3/4 4-8' Lab Name: MITKEM CORPORATION Contract: SAS No.: SDG No.: MF1104 Lab Code: MITKEM Case No.: Matrix: (soil/water) SOIL Lab Sample ID: F1104-01B Lab File ID: Sample wt/vol: 5.0 (g/mL) G V5H9815 Date Received: 08/10/07 Level: (low/med) MED % Moisture: not dec. 16 Date Analyzed: 08/23/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: 5(mL) Soil Aliquot Volume: 100.0(uL) CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG CAS NO. COMPOUND Q 75-71-8-----Dichlorodifluoromethane 340 U 74-87-3-----Chloromethane 340 U 75-01-4-----Vinyl Chloride 340 U 74-83-9----Bromomethane 340 U 75-00-3-----Chloroethane 340 U 75-69-4-----Trichlorofluoromethane 340 U 340 U 75-35-4-----1,1-Dichloroethene 340 U 67-64-1-----Acetone 74-88-4----Iodomethane 340 U 75-15-0-----Carbon Disulfide 340 U 75-09-2-----Methylene Chloride 340 U 156-60-5-----trans-1,2-Dichloroethene 340 U 1634-04-4-----Methyl tert-butyl ether 340 U 75-34-3-----1,1-Dichloroethane\_ 340 U 108-05-4-----Vinyl acetate 340 U 78-93-3----2-Butanone 340 U 156-59-2----cis-1,2-Dichloroethene 340 U 590-20-7-----2,2-Dichloropropane 340 U 74-97-5-----Bromochloromethane 340 U 67-66-3-----Chloroform 340 U 71-55-6-----1,1,1-Trichloroethane 340 U 563-58-6-----1,1-Dichloropropene 340 U 56-23-5-----Carbon Tetrachloride 340 U 107-06-2-----1,2-Dichloroethane 340 U 71-43-2----Benzene 340 U 79-01-6-----Trichloroethene 340 U 78-87-5-----1,2-Dichloropropane 340 U 74-95-3-----Dibromomethane 340 U 75-27-4-----Bromodichloromethane 340 U 10061-01-5----cis-1,3-Dichloropropene 340 U 108-10-1----4-Methyl-2-pentanone 340 U 108-88-3----Toluene 600 10061-02-6----trans-1,3-Dichloropropene 340 Ū 79-00-5-----1,1,2-Trichloroethane 340 U

EPA SAMPLE NO.

VEW-3/4 4-8' Contract: Lab Name: MITKEM CORPORATION SAS No.: SDG No.: MF1104 Lab Code: MITKEM Case No.: Lab Sample ID: F1104-01B Matrix: (soil/water) SOIL Sample wt/vol: Lab File ID: 5.0 (g/mL) G V5H9815 Date Received: 08/10/07 Level: (low/med) MED Date Analyzed: 08/23/07 % Moisture: not dec. 16 Dilution Factor: 1.0 GC Column: DB-624 ID: 0.25 (mm) Soil Aliquot Volume: 100.0(uL) Soil Extract Volume: 5(mL) CONCENTRATION UNITS: CAS NO. (ug/L or ug/Kg) UG/KG Q COMPOUND

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142-28-91,3-Dichloropropane 127-18-4Tetrachloroethene	340 340	-
591-78-62-Hexanone	340	
124-48-1Dibromochloromethane	340	
106-93-41,2-Dibromoethane	340	
108-90-7Chlorobenzene	340	-
630-20-61,1,1,2-Tetrachloroethane	340	U
100-41-4Ethylbenzene	3200	
m,p-Xylene	16000	
95-47-6o-Xylene	13000	
1330-20-7Xylene (Total)	29000	
100-42-5Styrene	340	U
75-25-2Bromoform	340	U
98-82-8Isopropylbenzene	3900	
79-34-51,1,2,2-Tetrachloroethane	340	U
108-86-1Bromobenzene	340	U
96-18-41,2,3-Trichloropropane	340	U
103-65-1n-Propylbenzene	6300	
95-49-82-Chlorotoluene	340	U
108-67-81,3,5-Trimethylbenzene	71000	Ε
106-43-44-Chlorotoluene	340	U
98-06-6tert-Butylbenzene	340	ប
95-63-61,2,4-Trimethylbenzene	88000	Ε
135-98-8sec-Butylbenzene	18000	Е
99-87-64-Isopropyltoluene	340	υ
541-73-11, 3-Dichlorobenzene	340	Ū
106-46-71,4-Dichlorobenzene	340	
104-51-8n-Butylbenzene	40000	Ē
95-50-11, 2-Dichlorobenzene	4200	
96-12-81, 2-Dibromo-3-chloropropane	340	<u>U</u>
120-82-11,2,4-Trichlorobenzene	340	-
87-68-3Hexachlorobutadiene	340	
91-20-3Naphthalene	17000	
87-61-61,2,3-Trichlorobenzene	340	_
	540	
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FORM I VOA

EPA SAMPLE NO.

	TION Conti		VEW-3/4 4-8'DL
Lab Name: MITKEM CORPORA			·
Lab Code: MITKEM Case	No.: SAS	No.: SDG	No.: MF1104
Matrix: (soil/water) SOI	L	Lab Sample ID:	F1104-01BDL
Sample wt/vol: 5	.0 (g/mL) G	Lab File ID:	V5H9849
Level: (low/med) MED	)	Date Received:	08/10/07
% Moisture: not dec. 16		Date Analyzed:	08/24/07
GC Column: DB-624 ID:	0.25 (mm)	Dilution Facto	or: 10.0
Soil Extract Volume:	5 (mL)	Soil Aliquot V	olume: 100.0(uL)
CAS NO. C	••	DNCENTRATION UNITS: 19/L or ug/Kg) UG/K	

			r
75-71-8	Dichlorodifluoromethane	3400	υ
	Chloromethane	3400	Ū
	Vinyl Chloride	3400	Ū
	Bromomethane	3400	
	Chloroethane	3400	
	Trichlorofluoromethane	3400	-
	1,1-Dichloroethene	3400	
67-64-1		3400	-
	Iodomethane	3400	-
	Carbon Disulfide	3400	-
	Methylene Chloride	3400	-
	trans-1,2-Dichloroethene	3400	1 -
	Methyl tert-butyl ether	3400	-
75-34-3	1,1-Dichloroethane	3400	
	Vinyl acetate	3400	-
78-93-3		3400	-
	cis-1,2-Dichloroethene	3400	
	2,2-Dichloropropane	3400	
	Bromochloromethane	3400	-
	Chloroform	3400	-
	1,1,1-Trichloroethane	3400	-
	1,1-Dichloropropene	3400	-
	Carbon Tetrachloride	3400	ł
	1,2-Dichloroethane	3400	1 -
71-43-2		3400	1
	Trichloroethene	3400	-
	1,2-Dichloropropane	3400	1
	Dibromomethane	3400	-
	Bromodichloromethane	3400	1
	cis-1,3-Dichloropropene	3400	-
	4-Methyl-2-pentanone	3400	-
108-88-3		3400	
	trans-1,3-Dichloropropene	3400	
	1,1,2-Trichloroethane	3400	

# FORM I VOA

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VOLATILE	ORGANICS	ANALYSIS	DATA	SHEET

 $VEW-3/4 \ 4-8'DL$ Lab Name: MITKEM CORPORATION Contract: SAS No.: SDG No.: MF1104 Lab Code: MITKEM Case No.: Matrix: (soil/water) SOIL Lab Sample ID: F1104-01BDL Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9849 Level: (low/med) MED Date Received: 08/10/07 % Moisture: not dec. 16 Date Analyzed: 08/24/07 Dilution Factor: 10.0 GC Column: DB-624 ID: 0.25 (mm) 5(mL) Soil Aliquot Volume: 100.0(uL) Soil Extract Volume: CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 142-28-9-----1,3-Dichloropropane 3400 U 127-18-4----Tetrachloroethene 3400 U 591-78-6----2-Hexanone 3400 U 124-48-1----Dibromochloromethane 3400 U 106-93-4-----1,2-Dibromoethane 3400 U 108-90-7----Chlorobenzene 3400 U 630-20-6-----1,1,1,2-Tetrachloroethane 3400 U 100-41-4----Ethylbenzene 2100 DJ -----m,p-Xylene\_ 13000 D 95-47-6----o-Xylene 11000 D 1330-20-7-----Xylene (Total) 25000 D 100-42-5-----Styrene 3400 U 3400 U 75-25-2----Bromoform 98-82-8-----Isopropylbenzene 2700 DJ 79-34-5-----1,1,2,2-Tetrachloroethane 3400 U 108-86-1----Bromobenzene 3400 U 96-18-4-----1,2,3-Trichloropropane 3400 U 103-65-1----n-Propylbenzene 3700 D 95-49-8-----2-Chlorotoluene 3400 U 108-67-8-----1,3,5-Trimethylbenzene 59000 D 106-43-4----4-Chlorotoluene 3400 U 98-06-6-----tert-Butylbenzene 3400 U 95-63-6-----1,2,4-Trimethylbenzene 92000 D 135-98-8----sec-Butylbenzene 16000 D 99-87-6-----4-Isopropyltoluene 30000 D 3400 U 541-73-1-----1,3-Dichlorobenzene 106-46-7-----1,4-Dichlorobenzene 3400 U 104-51-8----n-Butylbenzene 49000 D 95-50-1-----1,2-Dichlorobenzene 4100 D 96-12-8-----1,2-Dibromo-3-chloropropane 3400 U 3400 U 120-82-1-----1,2,4-Trichlorobenzene 3400 U 87-68-3-----Hexachlorobutadiene 91-20-3----Naphthalene 18000 D

# FORM I VOA

87-61-6-----1,2,3-Trichlorobenzene

OLM03.0

3400 U

1A VOLATILE ORGANICS ANALYSIS DATA S	EPA SAMPLE NO.
Lab Name: MITKEM CORPORATION Contract	VEW-3/4 8-12'
Lab Name. MITNER CONFORMION CONTIACE	
Lab Code: MITKEM Case No.: SAS No.	: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: F1104-02B
Sample wt/vol: 0.6 (g/mL) G	Lab File ID: V1I8632
Level: (low/med) LOW	Date Received: 08/10/07
% Moisture: not dec. 17	Date Analyzed: 08/14/07
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(mL)	Soil Aliquot Volume:(uL
	NTRATION UNITS: or ug/Kg) UG/KG Q
75-71-8Dichlorodifluoromethane         74-87-3Chloromethane         75-01-4Vinyl Chloride         74-83-9Bromomethane         75-00-3Chloroethane         75-69-4Bromomethane         75-69-4Chloroethane         75-35-41, 1-Dichloroethene         67-64-1Acetone         74-88-4Carbon Disulfide         75-09-2Carbon Disulfide         75-09-2Carbon Disulfide         75-09-2	50       U         50 <td< td=""></td<>

FORM I VOA

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-3/4 8-12' Lab Name: MITKEM CORPORATION Contract: Case No.: SAS No.: SDG No.: MF1104 Lab Code: MITKEM Matrix: (soil/water) SOIL Lab Sample ID: F1104-02B Lab File ID: Sample wt/vol: 0.6 (q/mL) G V1I8632 Date Received: 08/10/07 Level: (low/med) LOW % Moisture: not dec. 17 Date Analyzed: 08/14/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: (mL) CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG CAS NO. COMPOUND Q 142-28-9-----1,3-Dichloropropane\_ 127-18-4-----Tetrachloroethene\_\_\_\_ 591-78-6-----2-Hexanone 50 U 50 U 50 11

591-78-62-Hexanone	50	0
124-48-1Dibromochloromethane	50	U
106-93-41,2-Dibromoethane	50	U
108-90-7Chlorobenzene	50	U
630-20-61,1,1,2-Tetrachloroethane	50	U
100-41-4Ethylbenzene	640	
m,p-Xylene	2700	
95-47-6o-Xylene	1500	
1330-20-7Xylene (Total)	4200	
100-42-5Styrene	50	U
75-25-2Bromoform	50	U
98-82-8Isopropylbenzene	390	
79-34-51,1,2,2-Tetrachloroethane	50	U
108-86-1Bromobenzene	50	U
96-18-41,2,3-Trichloropropane	50	U
103-65-1n-Propylbenzene	700	
95-49-82-Chlorotoluene	50	U
108-67-81,3,5-Trimethylbenzene	3400	E
106-43-44-Chlorotoluene	50	U
98-06-6tert-Butylbenzene	50	U
95-63-61,2,4-Trimethylbenzene	5900	E
135-98-8sec-Butylbenzene	760	
99-87-64-Isopropyltoluene	1300	
541-73-11,3-Dichlorobenzene	50	
106-46-71,4-Dichlorobenzene	50	U
104-51-8n-Butylbenzene	50	U
95-50-11,2-Dichlorobenzene	310	
96-12-81,2-Dibromo-3-chloropropane	50	υ
120-82-11,2,4-Trichlorobenzene	50	
87-68-3Hexachlorobutadiene	50	
91-20-3Naphthalene	1400	
87-61-61,2,3-Trichlorobenzene	50	U

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET VEW-3/4 8-12'DL Lab Name: MITKEM CORPORATION Contract: Case No.: SAS No.: SDG No.: MF1104 Lab Code: MITKEM Matrix: (soil/water) SOIL Lab Sample ID: F1104-02BDL 5.1 (g/mL) G Lab File ID: Sample wt/vol: V5H9816 Date Received: 08/10/07 Level: (low/med) MED % Moisture: not dec. 17 Date Analyzed: 08/23/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (uq/L or uq/Kq) UG/KG 0 75-71-8-----Dichlorodifluoromethane 350 U 74-87-3-----Chloromethane 350 U 75-01-4-----Vinyl Chloride 350 U 74-83-9----Bromomethane 350 U 75-00-3-----Chloroethane 350 U 75-69-4-----Trichlorofluoromethane 350 U 75-35-4-----1,1-Dichloroethene 350 U 350 U 67-64-1-----Acetone 74-88-4----Iodomethane 350 U 75-15-0-----Carbon Disulfide 350 U 350 U 75-09-2-----Methylene Chloride 350 U 156-60-5-----trans-1,2-Dichloroethene 1634-04-4-----Methyl tert-butyl ether 350 U 75-34-3-----1,1-Dichloroethane\_ 350 U 108-05-4-----Vinyl acetate 350 U 78-93-3----2-Butanone 350 U 156-59-2----cis-1,2-Dichloroethene 350 U 590-20-7-----2,2-Dichloropropane 350 U 74-97-5-----Bromochloromethane 350 U 67-66-3-----Chloroform 350 U 71-55-6-----1,1,1-Trichloroethane 350 U 350 U 563-58-6-----1,1-Dichloropropene 56-23-5-----Carbon Tetrachloride 350 U 107-06-2-----1,2-Dichloroethane 350 U 71-43-2----Benzene 350 U 79-01-6-----Trichloroethene 350 U 78-87-5-----1,2-Dichloropropane 350 U 74-95-3-----Dibromomethane 350 U 75-27-4-----Bromodichloromethane 350 U 10061-01-5----cis-1,3-Dichloropropene 350 U 108-10-1-----4-Methyl-2-pentanone 350 U 108-88-3----Toluene 130 DJ 10061-02-6----trans-1,3-Dichloropropene 350 U

79-00-5-----1,1,2-Trichloroethane

OLM03.0

350 U

EPA SAMPLE NO.

VEW-3/4 8-12'DL Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Lab Sample ID: F1104-02BDL Matrix: (soil/water) SOIL Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5H9816 Date Received: 08/10/07 Level: (low/med) MED Date Analyzed: 08/23/07 % Moisture: not dec. 17 GC Column: DB-624 Dilution Factor: 1.0 ID: 0.25 (mm) Soil Extract Volume: 5(mL) Soil Aliquot Volume: 100.0(uL) CONCENTRATION UNITS: CAS NO. (ug/L or ug/Kg) UG/KG COMPOUND Q

142-28-91,3-Dichloropropane	350	υ
127-18-4Tetrachloroethene	350	U
591-78-62-Hexanone	350	U
124-48-1Dibromochloromethane	350	U
106-93-41,2-Dibromoethane	350	U
108-90-7Chlorobenzene	350	U
630-20-61,1,1,2-Tetrachloroethane	350	U
100-41-4Ethylbenzene	1000	D
m,p-Xylene	3200	D ·
95-47-6o-Xylene	2300	
1330-20-7Xylene (Total)	5500	D
100-42-5Styrene	350	-
75-25-2Bromoform	350	U
98-82-8Isopropylbenzene	770	D
79-34-51,1,2,2-Tetrachloroethane	350	U
108-86-1Bromobenzene	350	1
96-18-41,2,3-Trichloropropane	350	υ
103-65-1n-Propylbenzene	1600	
95-49-82-Chlorotoluene	350	1
108-67-81,3,5-Trimethylbenzene	8200	D
106-43-44-Chlorotoluene	350	- 1
98-06-6tert-Butylbenzene	350	
95-63-61,2,4-Trimethylbenzene	11000	
135-98-8sec-Butylbenzene	2400	
99-87-64-Isopropyltoluene	4500	
541-73-11,3-Dichlorobenzene	350	
106-46-71,4-Dichlorobenzene	350	
104-51-8n-Butylbenzene	7400	-
95-50-11,2-Dichlorobenzene		_
96-12-81,2-Dibromo-3-chloropropane		
120-82-11,2,4-Trichlorobenzene	350	
87-68-3Hexachlorobutadiene	350	
91-20-3Naphthalene	2200	
87-61-61,2,3-Trichlorobenzene	350	U

FORM I VOA

EPA SAMPLE NO.

VEW-3 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-17B Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5H9821 Level: (low/med) Date Received: 08/10/07 MED % Moisture: not dec. 17 Date Analyzed: 08/23/07 Dilution Factor: 1.0 GC Column: DB-624 ID: 0.25 (mm) Soil Aliquot Volume: 100.0(uL) Soil Extract Volume: 5(mL) CONCENTRATION UNITS: CAS NO. (ug/L or ug/Kg) UG/KG COMPOUND Q

75-71-8	Dichlorodifluoromethane	350	υ
	Chloromethane	350	I –
	Vinyl Chloride	350	-
	Bromomethane	350	1 1
	Chloroethane	350	Ū
	Trichlorofluoromethane	350	
	1,1-Dichloroethene	350	
67-64-1	Acetone	350	
74-88-4	Iodomethane	350	-
	Carbon Disulfide	350	
	Methylene Chloride	350	
	trans-1,2-Dichloroethene	350	
	Methyl tert-butyl ether	350	
	1,1-Dichloroethane	350	-
	Vinyl acetate	350	-
		350	
	cis-1,2-Dichloroethene	350	1
	2,2-Dichloropropane	350	1
	Bromochloromethane	350	1 1
	Chloroform	350	-
	1,1,1-Trichloroethane	350	
	1,1-Dichloropropene	350	
	Carbon Tetrachloride	350	-
	1,2-Dichloroethane	350	
71-43-2		350	
	Trichloroethene	350	1
	1,2-Dichloropropane	350	
	Dibromomethane	350	
	Bromodichloromethane	350	
	cis-1,3-Dichloropropene	350	-
	4-Methyl-2-pentanone	350	-
108-88-3		350	
	trans-1,3-Dichloropropene	350	-
	1,1,2-Trichloroethane	350	
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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

VEW-3 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Lab Sample ID: F1104-17B Matrix: (soil/water) SOIL Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5H9821 (low/med) Date Received: 08/10/07 Level: MED % Moisture: not dec. 17 Date Analyzed: 08/23/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: 5(mL) Soil Aliquot Volume: 100.0(uL) CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

142-28-9-----1,3-Dichloropropane 350 U 127-18-4----Tetrachloroethene 350 U 591-78-6-----2-Hexanone 350 U 124-48-1-----Dibromochloromethane 350 U 106-93-4-----1, 2-Dibromoethane 350 U 108-90-7-----Chlorobenzene 350 U 630-20-6-----1,1,1,2-Tetrachloroethane 350 U 100-41-4----Ethylbenzene 730 -----m,p-Xylene 2700 95-47-6----o-Xylene 1330-20-7-----Xylene (Total)\_ 1600 4300 100-42-5----Styrene 350 U 75-25-2-----Bromoform 350 U 98-82-8-----Isopropylbenzene 800 79-34-5-----1,1,2,2-Tetrachloroethane 350 J 108-86-1----Bromobenzene 350 U 96-18-4-----1,2,3-Trichloropropane 350 U 103-65-1----n-Propylbenzene 2200 350 U 95-49-8-----2-Chlorotoluene 108-67-8-----1,3,5-Trimethylbenzene 7600 106-43-4----4-Chlorotoluene 350 J 98-06-6-----tert-Butylbenzene 350 U 95-63-6-----1,2,4-Trimethylbenzene 15000 E 135-98-8-----sec-Butylbenzene 2800 99-87-6----4-Isopropyltoluene 4800 541-73-1-----1, 3-Dichlorobenzene 350 U 106-46-7-----1,4-Dichlorobenzene 350 U 104-51-8----n-Butylbenzene 9600 95-50-1-----1, 2-Dichlorobenzene 450 96-12-8-----1, 2-Dibromo-3-chloropropane 350 JU 120-82-1-----1,2,4-Trichlorobenzene 350 U 87-68-3-----Hexachlorobutadiene 350 U 91-20-3-----Naphthalene 2700

87-61-6-----1,2,3-Trichlorobenzene

OLM03.0

350 0

EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION	Contract:
Lab Code: MITKEM	Case No.:	SAS No.: SDG No.: MF1104
Matrix: (soil/water)	SOIL	Lab Sample ID: F1104-17BDL
Sample wt/vol:	5.1 (g/mL) G	Lab File ID: V5H9858A
Level: (low/med)	MED	Date Received: 08/10/07
% Moisture: not dec.	17	Date Analyzed: 08/24/07
GC Column: DB-624	ID: 0.25 (mm)	Dilution Factor: 2.0
Soil Extract Volume:	5 (mL)	Soil Aliquot Volume: 100.0(ul
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-69-4\\ 75-35-4\\ 75-35-4\\ 75-15-0\\ 75-09-2\\ 1634-04-4\\ 75-34-3\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 78-93-3\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 71-43-2\\ 107-06-2\\ 78-87-5\\ 74-95-3\\ 75-27-4\\ 108-10-1\\ 108-88-3\\ 10061-02-6\\ \end{array}$	Iodomethane Carbon Disulfic Methylene Chlor trans-1,2-Dichl Methyl tert-but 1,1-Dichloroeth Vinyl acetate 	690         U           oroethene         690           oroethene         690           gane         690           690         U           oothene         690           gane         690           gane         690           690         U           oothene         690           gane         690           ane         690           ane         690           ane         690           ane         690           ane         690           ane         690           gane         690           690         U           opropene         690           gon

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EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION         Contract:         VEW-3 8-12'DL           Lab Code: MITKEM         Case No.:         SAS No.:         SDG No.: MF1104           Matrix: (soil/water) SOIL         Lab Sample ID: F1104-17EDL           Sample wt/vol:         5.1 (g/mL) G         Lab File ID: V5H9858A           Level: (low/med)         MED         Date Received: 08/10/07           % Moisture: not dec. 17         Date Analyzed: 08/24/07           GC Column: DB-624         ID: 0.25 (mm)         Dilution Factor: 2.0           Soil Extract Volume:         5 (mL)         Soil Aliquot Volume:         100.0 (uL)           CAS NO.         COMPOUND         COMCENTRATION UNITS:         Q           142-289	COLUMN CROINICD MANIPLD DATA C	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Lab Name: MITKEM CORPORATION Contract	VEW-3 8-12'DL
Sample wt/vol:       5.1 (g/mL) G       Lab File ID:       V5H9858A         Level:       (low/med) MED       Date Received:       08/10/07         % Moisture:       not dec.       17       Date Analyzed:       08/24/07         GC Column: DB-624       ID:       0.25 (mm)       Dilution Factor:       2.0         Soil Extract Volume:       5 (mL)       Soil Aliquot Volume:       100.0 (uL)         CONCENTRATION UNITS:       CAS NO.       COMPOUND       (ug/L or ug/Kg) UG/KG       Q         142-28-91, 3-Dichloropropane       690 U       100.0 (uL)         127-18-4Tetrachloroethene       690 U       100.0 (uL)         501 Pate Analyzed:       0.0       0.0       0.0         124-48-1	Lab Code: MITKEM Case No.: SAS No.	.: SDG No.: MF1104
Level:       (low/med)       MED       Date Received: $08/10/07$ % Moisture:       not dec.       17       Date Analyzed: $08/24/07$ GC Column:       DB-624       ID: $0.25$ (mm)       Dilution Factor: $2.0$ Soil Extract Volume: $5$ (mL)       Soil Aliquot Volume: $100.0$ (uL)         CONCENTRATION UNITS:       COMPOUND       (ug/L or ug/Kg)       Q         142-28-9	Matrix: (soil/water) SOIL	Lab Sample ID: F1104-17BDL
<pre>% Moisture: not dec. 17 Date Analyzed: <math>08/24/07</math> GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0 Soil Extract Volume: 5(mL) Soil Aliquot Volume: 100.0(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 142-28-91, 3-Dichloropropane 690 U 127-18-4Tetrachloroethane 690 U 124-48-1</pre>	Sample wt/vol: 5.1 (g/mL) G	Lab File ID: V5H9858A
GC Column: DB-624       ID: 0.25 (mm)       Dilution Factor: 2.0         Soil Extract Volume:       5 (mL)       Soil Aliquot Volume:       100.0 (uL)         CAS NO.       COMPOUND       CONCENTRATION UNITS: (ug/L or ug/Kg) UG/Kg       Q         142-28-91, 3-Dichloropropane       690 U       127-18-4	Level: (low/med) MED	Date Received: 08/10/07
Soil Extract Volume:       5 (mL)       Soil Aliquet Volume:       100.0 (uL)         CONCENTRATION UNITS:       (ug/L or ug/Kg) UG/KG       Q         142-28-91, 3-Dichloropropane       690 U         127-18-4	% Moisture: not dec. 17	Date Analyzed: 08/24/07
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 2.0
CAS NO.       COMPOUND       (ug/L or ug/Kg) UG/KG       Q         142-28-91, 3-Dichloropropane       690       U         127-18-4Tetrachloroethene       690       U         591-78-62-Hexanone       690       U         124-48-1Dibromochloromethane       690       U         106-93-41, 2-Dibromoethane       690       U         108-90-7Chlorobenzene       690       U         630-20-61, 1, 1, 2-Tetrachloroethane       690       U         100-41-4Ethylbenzene       380       DJ	Soil Extract Volume: 5(mL)	Soil Aliquot Volume: 100.0(uL)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
	127-18-4Tetrachloroethene         591-78-62-Hexanone         124-48-1Dibromochloromethane         106-93-41,2-Dibromoethane         108-90-7Chlorobenzene         630-20-61,1,1,2-Tetrachloroeth         100-41-4Ethylbenzene        m,p-Xylene         95-47-6O-Xylene         1330-20-7Xylene         100-42-5Styrene         75-25-2Bromoform         98-82-8Isopropylbenzene         79-34-5	690       U         1400       D         970       D         2400       D         690       U          690       U<

FORM I VOA

EPA SAMPLE NO.

VOLATILE ORGANICS ANA	ALYSIS DATA SHEET	
Lab Name: MITKEM CORPORATION	Contract:	
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1104	
Matrix: (soil/water) SOIL	Lab Sample ID: F1104-06B	
Sample wt/vol: 5.1 (g/mL)	G Lab File ID: V118923	
Level: (low/med) LOW	Date Received: 08/10/07	
% Moisture: not dec. 18	Date Analyzed: 08/23/07	
GC Column: DB-624 ID: 0.25 (m	nm) Dilution Factor: 1.0	
Soil Extract Volume:(mL)	Soil Aliquot Volume:(uL	ר)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q	

		1	
75-71-8	Dichlorodifluoromethane	6	υ
	Chloromethane		Ū
	Vinyl Chloride		Ū
	Bromomethane		Ū
	Chloroethane	- 1	Ū
	Trichlorofluoromethane	6	Ū
	1,1-Dichloroethene	6	Ū
67-64-1		27	-
	Iodomethane		U
	Carbon Disulfide	-1	Ū
	Methylene Chloride		Ū
	trans-1,2-Dichloroethene	-i i	Ū
1634-04-4	Methyl tert-butyl ether	-1 1	Ū
75-34-3	1,1-Dichloroethane	- 1	Ū
108-05-4	Vinyl acetate		Ū
78-93-3	2-Butanone		U
	cis-1,2-Dichloroethene		J
	2,2-Dichloropropane	- 1	U
	Bromochloromethane		υ
	Chloroform		υ
	1,1,1-Trichloroethane	- 1	U
563-58-6	1,1-Dichloropropene	- 1	U
56-23-5	Carbon Tetrachloride	- /	U
	1,2-Dichloroethane	6	υ
71-43-2		6	U
	Trichloroethene	6	U
	1,2-Dichloropropane	6	U
	Dibromomethane	6	U
	Bromodichloromethane	6	U
	cis-1,3-Dichloropropene	6	υ
	4-Methyl-2-pentanone	_	Ū
108-88-3		- 1	J
	trans-1,3-Dichloropropene	6	U
	1,1,2-Trichloroethane	6	U
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FORM I VOA

EPA SAMPLE NO.

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	VEW-4 12-16'
Lab Name: MITKEM CORPORATION Cont	
Lab Code: MITKEM Case No.: SAS	No.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: F1104-06B
Sample wt/vol: 5.1 (g/mL) G	Lab File ID: V1I8923
Level: (low/med) LOW	Date Received: 08/10/07
% Moisture: not dec. 18	Date Analyzed: 08/23/07
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume:(mL)	Soil Aliquot Volume:(uL)
	ONCENTRATION UNITS: ug/L or ug/Kg) UG/KG Q
142-28-91,3-Dichloropropan 127-18-4Tetrachloroethene 591-78-62-Hexanone 124-48-1Dibromochloromethan 106-93-41,2-Dibromoethane 108-90-7Chlorobenzene 630-20-61,1,1,2-Tetrachloro 100-41-4Ethylbenzene m p Yulopo	6       U         6       U         6       U         6       U         6       U         6       U         6       U         6       U         6       U

1 00	0 20 0	1,1,1,1,2 icciaciiioroconane	0	•
	0-41-4		24	
			110	
	-47-6		51	
13	30-20-7	·Xylene (Total)	160	
	0-42-5		1	J
	-25-2		6	υ
98	-82-8	Isopropylbenzene	5	J
		1,1,2,2-Tetrachloroethane	6	U
10	8-86-1	Bromobenzene	6	υ
96	-18-4	1,2,3-Trichloropropane	6	Ũ
10	3-65-1	n-Propylbenzene	8	
95	-49-8	2-Chlorotoluene	6	U
10	8-67-8	1,3,5-Trimethylbenzene	29	
		4-Chlorotoluene	6	Ū
98	-06-6	tert-Butylbenzene	6	U
95	-63-6	1,2,4-Trimethylbenzene	80	
13	5-98-8	sec-Butylbenzene	6	
99	-87-6	4-Isopropyltoluene	8	
54	1-73-1	1,3-Dichlorobenzene	6	U
		1,4-Dichlorobenzene	6	U
10	4-51-8	n-Butylbenzene	15	
95	-50-1	1,2-Dichlorobenzene	2	J
96	-12-8	1,2-Dibromo-3-chloropropane	6	U
		1,2,4-Trichlorobenzene	6	U
		Hexachlorobutadiene	6	U
91	-20-3	Naphthalene	18	В
		1,2,3-Trichlorobenzene	6	U
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FORM I VOA

	VOLATILE	ORGANICS 2	-	IS DATA SH	EET		EPA S	AMPLE NO	).
Lab Nai	me: MITKEM CORI	PORATION		Contract:			VEW-	4 4-8'	
Lab Co	de: MITKEM (	Case No.:		SAS No.:		SDG	No.: M	F1104	
Matrix	: (soil/water)	SOIL			Lab Sa	mple ID:	F1104	-04B	
Sample	wt/vol:	4.9 (g/m	nL) G		Lab Fi	le ID:	V1I86	34	
Level:	(low/med)	LOW			Date R	eceived:	08/10	/07	
% Moist	ture: not dec.	15			Date A	nalyzed:	08/14	/07	
GC Colu	umn: DB-624	ID: 0.25	(mm)		Diluti	on Facto	or: 1.0		
Soil E	xtract Volume:_	(m]	L)		Soil A	liquot V	olume:		(uL)
	CAS NO.	COMPOUNI	D			N UNITS: Kg) UG/K		Q	
	75-71-8			promethane			6 1	U	

75-71-8	Dichlorodifluoromethane	6 U	
74-87-3	Chloromethane	៍  6 ប	
75-01-4	Vinyl Chloride	6 U	
	Bromomethane	6 U	
	Chloroethane	6 U	
75-69-4	Trichlorofluoromethane	6 U	
	1,1-Dichloroethene	6 U	
67-64-1		6 U	
	Iodomethane	6 U	
	Carbon Disulfide	6 U	
	Methylene Chloride	6 U	
	trans-1,2-Dichloroethene	6 U	
	Methyl tert-butyl ether	6 0	
	1,1-Dichloroethane	6 U	
	Vinyl acetate	6 U	
	2-Butanone	6 U	
	cis-1,2-Dichloroethene	6 0	
	2,2-Dichloropropane	6 0	
	Bromochloromethane	6 0	
	Chloroform	6 0	
	1,1,1-Trichloroethane	6 U	
	1,1-Dichloropropene	6 0	
	Carbon Tetrachloride	6 U	
	1,2-Dichloroethane	6 0	
71-43-2		6 0	
	Trichloroethene	2 J	
	1,2-Dichloropropane	6 0	
	Dibromomethane	6 0	
	Bromodichloromethane	6 0	
	cis-1,3-Dichloropropene	6 0	
	4-Methyl-2-pentanone	6 0	
108-88-3		6 0	
	trans-1,3-Dichloropropene	60	
	1,1,2-Trichloroethane	l GU	
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FORM I VOA

EPA SAMPLE NO.

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Lab Name: MITKEM COR	PORATION	Contract:		VEW	-4 4-8'	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: 1	MF1104	
Matrix: (soil/water)	SOIL	Lab Sa	mple ID:	F110	4-04B	
Sample wt/vol:	4.9 (g/mL) G	Lab Fi	le ID:	V1I8	634	
Level: (low/med)	LOW	Date R	eceived:	08/1	0/07	
% Moisture: not dec.	15	Date A	nalyzed:	08/14	4/07	
GC Column: DB-624	ID: 0.25 (mm)	Diluti	on Facto	or: 1.0	0	
Soil Extract Volume:	(mL)	Soil A	liquot V	701ume	:	(uL)
CAS NO.	COMPOUND	CONCENTRATIO (ug/L or ug/			Q	
127 - 18 - 4 591 - 78 - 6 124 - 48 - 1 106 - 93 - 4 108 - 90 - 7 630 - 20 - 6 100 - 41 - 4	Dibromochlorom 1,2-Dibromoeth Chlorobenzene 1,1,1,2-Tetrac Ethylbenzene m,p-Xylene o-Xylene Xylene (Total) Styrene	ene hloroethane hloroethane ne hloroethane opropane ee lbenzene ene lbenzene nzene nzene nzene nzene chloropropane diene		666662926666666676466616668 2306666679764666166666667646661	U U U U U U U U U U U U U U U U U U U	

FORM I VOA

EPA SAMPLE NO.

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			VEW-4 8-12'
Lab Name: MITKEM CORPORATION	Contract:	_	
Lab Code: MITKEM Case No.	: SAS No.:	SDG 1	No.: MF1104
Matrix: (soil/water) SOIL	I	Lab Sample ID:	F1104-05B
Sample wt/vol: 0.5 (	g/mL)G I	Lab File ID:	V1I8635
Level: (low/med) LOW	I	Date Received:	08/10/07
% Moisture: not dec. 19	I	Date Analyzed:	08/14/07
GC Column: DB-624 ID: 0.2	5 (mm) I	Dilution Factor	: 1.0
Soil Extract Volume:	(mL) S	Soil Aliquot Vo	olume:(uL)
CAS NO. COMPO		RATION UNITS: or ug/Kg) UG/KG	ç Q
75-71-8Dichl 74-87-3Chlor	omethane		62 U 62 U

	Chloromethane	62	ט [
75-01-4	Vinyl Chloride	62	ט
74-83-9	Bromomethane	62	U
	Chloroethane	62	U
75-69-4	Trichlorofluoromethane	62	ט
75-35-4	1,1-Dichloroethene	62	U
67-64-1	Acetone	95	
74-88-4	Iodomethane	62	Ū
	Carbon Disulfide	62	U
75-09-2	Methylene Chloride	62	ט
156-60-5	trans-1,2-Dichloroethene	62	U
1634-04-4	Methyl tert-butyl ether	62	U
75-34-3	1,1-Dichloroethane	62	U
	Vinyl acetate	62	U
78-93-3	2-Butanone	62	U U
156-59-2	cis-1,2-Dichloroethene	62	υ
590-20-7	2,2-Dichloropropane	62	U
74-97-5	Bromochloromethane	62	ט
	Chloroform	62	ט
71-55-6	1,1,1-Trichloroethane	62	ע
563-58-6	1,1-Dichloropropene	62	ט ו
56-23-5	Carbon Tetrachloride	62	ט
107-06-2	1,2-Dichloroethane	62	U U
71-43-2	Benzene	62	U U
79-01-6	Trichloroethene	62	υ
	1,2-Dichloropropane	62	υ
74-95-3	Dibromomethane	62	U
	Bromodichloromethane	62	ט
10061-01-5	cis-1,3-Dichloropropene	62	ט
108-10-1	4-Methyl-2-pentanone	62	ט
108-88-3	Toluene	62	ט
10061-02-6	trans-1,3-Dichloropropene	62	U 0
79-00-5	1,1,2-Trichloroethane	62	ע ו

FORM I VOA

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET VEW-4 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-05B Sample wt/vol: 0.5 (g/mL) G Lab File ID: V1I8635 Level: (low/med) LOW Date Received: 08/10/07 % Moisture: not dec. 19 Date Analyzed: 08/14/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (mL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q -1 1

1			
142-28-9	1,3-Dichloropropane	62	υ
127-18-4	Tetrachloroethene	62	υ
591-78-6	2-Hexanone	62	υ
124-48-1	Dibromochloromethane	62	υ
	1,2-Dibromoethane	62	U
	Chlorobenzene	62	
	1,1,1,2-Tetrachloroethane	62	1 · · · · · · · · · · · · · · · · · · ·
	Ethylbenzene	200	-
	m,p-Xylene	1100	
95-47-6		640	
	Xylene (Total)	1800	
100-42-5		17	
	Bromoform	62	1 - 1
98-82-8	Isopropylbenzene	230	
79-34-5	1,1,2,2-Tetrachloroethane	62	<del></del>
	Bromobenzene	62	Ū
	1,2,3-Trichloropropane	62	Ū
103-65-1	n-Propylbenzene	540	
	2-Chlorotoluene	62	<u> </u>
108-67-8	1,3,5-Trimethylbenzene	1900	
106-43-4	4-Chlorotoluene	62	U
98-06-6	tert-Butylbenzene	62	υ
	1,2,4-Trimethylbenzene	4400	Е
135-98-8	sec-Butylbenzene	590	
99-87-6	4-Isopropyltoluene	780	
541-73-1	1,3-Dichlorobenzene	62	<del>0</del>
	1,4-Dichlorobenzene	13	J
104-51-8	n-Butylbenzene	1300	
95-50-1	1,2-Dichlorobenzene	130	
96-12-8	1,2-Dibromo-3-chloropropane	62	<u> </u>
120-82-1	1,2,4-Trichlorobenzene	62	U U
87-68-3	Hexachlorobutadiene	62	ט
91-20-3	Naphthalene	700	
87-61-6	1,2,3-Trichlorobenzene	62	Ū
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# FORM I VOA

EPA SAMPLE NO.

VEW-4 8-12'DL Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-05BDL Sample wt/vol: 5.0 (q/mL) G Lab File ID: V5H9817 MED Level: (low/med) Date Received: 08/10/07 % Moisture: not dec. 19 Date Analyzed: 08/23/07 GC Column: DB-624 ID: 0.25 Dilution Factor: 1.0 (mm) Soil Extract Volume: Soil Aliquot Volume: 100.0(uL) 5(mL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

75-71-8-----Dichlorodifluoromethane 370 U 74-87-3-----Chloromethane 370 U 75-01-4-----Vinyl Chloride 370 U 74-83-9-----Bromomethane 370 U 75-00-3-----Chloroethane 370 U 75-69-4-----Trichlorofluoromethane 370 U 75-35-4-----1,1-Dichloroethene 370 U 67-64-1-----Acetone 370 U 74-88-4----Iodomethane 370 U 75-15-0-----Carbon Disulfide 370 U 75-09-2-----Methylene Chloride 370 U 156-60-5-----trans-1,2-Dichloroethene 370 U 1634-04-4-----Methyl tert-butyl ether 370 U 75-34-3-----1,1-Dichloroethane 370 U 108-05-4-----Vinyl acetate 370 U 78-93-3----2-Butanone 370 U 156-59-2----cis-1,2-Dichloroethene 370 U 590-20-7----2,2-Dichloropropane 370 U 74-97-5-----Bromochloromethane 370 U 67-66-3-----Chloroform 370 U 71-55-6-----1,1,1-Trichloroethane 370 U 563-58-6----1,1-Dichloropropene 370 U 56-23-5-----Carbon Tetrachloride 370 U 107-06-2-----1,2-Dichloroethane 370 U 71-43-2----Benzene 370 U 79-01-6----Trichloroethene 370 U 78-87-5-----1,2-Dichloropropane 370 U 74-95-3-----Dibromomethane 370 U 75-27-4-----Bromodichloromethane 370 U 10061-01-5----cis-1,3-Dichloropropene 370 U 108-10-1-----4-Methyl-2-pentanone 370 U 108-88-3----Toluene 370 U 10061-02-6----trans-1,3-Dichloropropene 370 U 79-00-5-----1,1,2-Trichloroethane 370 U

FORM I VOA

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EPA SAMPLE NO.

VOLATILE ORGA	NICS ANALYSIS DAT	A SHEET	<u> </u>
Lab Name: MITKEM CORPORAT	ION Contr	ract:	VEW-4 8-12'DL
Lab Code: MITKEM Case	No.: SAS	No.: SDG	No.: MF1104
Matrix: (soil/water) SOIL		Lab Sample ID:	F1104-05BDL
Sample wt/vol: 5.	0 (g/mL) G	Lab File ID:	V5H9817
Level: (low/med) MED		Date Received:	08/10/07
% Moisture: not dec. 19		Date Analyzed:	08/23/07
GC Column: DB-624 ID:	0.25 (mm)	Dilution Facto	r: 1.0
Soil Extract Volume:	5 (mL)	Soil Aliquot V	olume: 100.0(uL)
CAS NO. CO		NCENTRATION UNITS: g/L or ug/Kg) UG/K	G Q

1		
	250	
142-28-91,3-Dichloropropane	370	
127-18-4Tetrachloroethene	370	1
591-78-62-Hexanone	370	-
124-48-1Dibromochloromethane	370	U
106-93-41,2-Dibromoethane	370	υ
108-90-7Chlorobenzene	370	-
630-20-61,1,1,2-Tetrachloroethane	370	U
100-41-4Ethylbenzene	370	ប
m,p-Xylene	260	
95-47-6o-Xylene	150	DJ
1330-20-7Xylene (Total)	410	D
100-42-5Styrene	370	U
75-25-2Bromoform	370	U
98-82-8Isopropylbenzene	140	DJ
79-34-51,1,2,2-Tetrachloroethane	370	U
108-86-1Bromobenzene	370	υ
96-18-41,2,3-Trichloropropane	370	U
103-65-1n-Propylbenzene	410	D
95-49-82-Chlorotoluene	370	U
108-67-81,3,5-Trimethylbenzene	1800	D
106-43-44-Chlorotoluene	370	U
98-06-6tert-Butylbenzene	370	U
95-63-61,2,4-Trimethylbenzene	4300	D
135-98-8sec-Butylbenzene	740	D
99-87-64-Isopropyltoluene	1200	D
541-73-11,3-Dichlorobenzene	370	υ
106-46-71,4-Dichlorobenzene	370	υ
104-51-8n-Butylbenzene	2600	D
95-50-11,2-Dichlorobenzene	370	Ū
96-12-81,2-Dibromo-3-chloropropane_	370	Ū
120-82-11,2,4-Trichlorobenzene	370	Ū
87-68-3Hexachlorobutadiene		
91-20-3Naphthalene		
87-61-61,2,3-Trichlorobenzene	370	Ū ·
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FORM I VOA

# EPA SAMPLE NO. 1A VOLATILE ORGANICS ANALYSIS DATA SHEET V1HLCS Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: LCS-31674 Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1I8623 Level: (low/med) LOW Date Received: % Moisture: not dec. Date Analyzed: 08/14/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: (mL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

		——— I
75-71-8Dichlorodifluoromethane	53.	
74-87-3Chloromethane	44	
75-01-4Vinyl Chloride	47	
74-83-9Bromomethane	48	
75-00-3Chloroethane	46	
75-69-4Trichlorofluoromethane	47	
75-35-41,1-Dichloroethene	46	
67-64-1Acetone	49	
74-88-4Iodomethane	50	
75-15-0Carbon Disulfide	48	
75-09-2Methylene Chloride	49	
156-60-5trans-1,2-Dichloroethene	50	
1634-04-4Methyl tert-butyl ether	49	
75-34-31,1-Dichloroethane	50	
108-05-4Vinyl acetate	54	
78-93-32-Butanone	56	
156-59-2cis-1,2-Dichloroethene	49	
590-20-72,2-Dichloropropane	51	
74-97-5Bromochloromethane	50	
67-66-3Chloroform	49	
71-55-61,1,1-Trichloroethane	51	
563-58-61,1-Dichloropropene	53	
56-23-5Carbon Tetrachloride	51	
107-06-21,2-Dichloroethane	50	
71-43-2Benzene	50	
79-01-6Trichloroethene	51	
78-87-51,2-Dichloropropane	50	
74-95-3Dibromomethane	52	
75-27-4Bromodichloromethane	50	
10061-01-5cis-1,3-Dichloropropene	51	
108-10-14-Methyl-2-pentanone	57	
108-88-3Toluene	51	
10061-02-6trans-1,3-Dichloropropene	52	
79-00-51,1,2-Trichloroethane	52	

# FORM I VOA

OLM03.0

COMPOUND

CAS NO.

#### 1A EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET V1HLCS Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: LCS-31674 Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1I8623 Level: (low/med) LOW Date Received: % Moisture: not dec. Date Analyzed: 08/14/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume:\_\_\_\_(mL)

CAS NO. COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

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142-28-91,3-Dichloropropane	51
127-18-4Tetrachloroethene	51
591-78-62-Hexanone	57
124-48-1Dibromochloromethane	51
106-93-41,2-Dibromoethane	52
108-90-7Chlorobenzene	50
630-20-61,1,1,2-Tetrachloroethane	49
100-41-4Ethylbenzene	52
m,p-Xylene	100
95-47-6o-Xylene	54
	160
1330-20-7Xylene (Total)	54
100-42-5Styrene 75-25-2Bromoform	52
	54
98-82-8Isopropylbenzene 79-34-51,1,2,2-Tetrachloroethane	54
	52
108-86-1Bromobenzene	55
96-18-41,2,3-Trichloropropane	
103-65-1n-Propylbenzene	54
95-49-82-Chlorotoluene	53
108-67-81,3,5-Trimethylbenzene	54
106-43-44-Chlorotoluene	54
98-06-6tert-Butylbenzene	54
95-63-61,2,4-Trimethylbenzene	53
135-98-8sec-Butylbenzene	54
99-87-64-Isopropyltoluene	55
541-73-11,3-Dichlorobenzene	52
106-46-71,4-Dichlorobenzene	48
104-51-8n-Butylbenzene	55
95-50-11,2-Dichlorobenzene	51
96-12-81,2-Dibromo-3-chloropropane	53
120-82-11,2,4-Trichlorobenzene	52
87-68-3Hexachlorobutadiene	49
91-20-3Naphthalene	55
87-61-61,2,3-Trichlorobenzene	51

### FORM I VOA

OLM03.0

0070

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: LCS-31847
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: V1I8883
Level: (low/med) LOW	Date Received:
% Moisture: not dec.	Date Analyzed: 08/22/07
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
75-71-8Dichlorodiflu	oromethane 53

	Dichlorodifluoromethane	53	
74-87-3	Chloromethane	53	
75-01-4	Vinyl Chloride	52	
74-83-9	Bromomethane	52	
75-00-3	Chloroethane	- 55	
75-69-4	Trichlorofluoromethane	61	
75-35-4	1,1-Dichloroethene	50	
67-64-1		41	
74-88-4	Iodomethane	50	
	Carbon Disulfide	53	
	Methylene Chloride	50	
	trans-1,2-Dichloroethene	52	
	Methyl tert-butyl ether	55	<u> </u>
75-34-3	1,1-Dichloroethane	52	
108-05-4	Vinyl acetate	52	
	2-Butanone	52	
	cis-1,2-Dichloroethene	50	
	2,2-Dichloropropane	51	
74-97-5	Bromochloromethane	51	<b></b>
	Chloroform	50	
	1,1,1-Trichloroethane	52	
563-58-6	1,1-Dichloropropene	- 54	·····
	Carbon Tetrachloride	53	
	1,2-Dichloroethane	52	
71-43-2		52	
	Trichloroethene	- 50	
	1,2-Dichloropropane	- 52	•
	Dibromomethane	52	·
	Bromodichloromethane	52	
	cis-1,3-Dichloropropene	51	
100 10 1	4-Methyl-2-pentanone	-	
		51	
108-88-3		51	
TUUPT-07-0	trans-1,3-Dichloropropene	52	
/9-00-5	1,1,2-Trichloroethane	. 52	

# FORM I VOA

		1A E ORGANICS ANALYSI	רא מיזער איז איז איז איז איז א	EPA SAMPLE NO.
Lab Na		RPORATION		V1ULCS
Lab Co	de: MITKEM	Case No.:	SAS No.: SDO	G No.: MF1104
Matrix	: (soil/water)	SOIL	Lab Sample II	D: LCS-31847
Sample	wt/vol:	5.0 (g/mL) G	Lab File ID:	V118883
Level:	(low/med)	LOW	Date Received	d:
% Mois	ture: not dec.		Date Analyzed	d: 08/22/07
GC Col	umn: DB-624	ID: 0.25 (mm)	Dilution Fact	cor: 1.0
Soil E	xtract Volume:	:(mL)	Soil Aliquot	Volume:(uL)
1-	CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/	
				1 1

142-28-91,3-Dichloropropane	52
127-18-4Tetrachloroethene	51
591-78-62-Hexanone	51
124-48-1Dibromochloromethane	52
106-93-41,2-Dibromoethane	53
108-90-7Chlorobenzene	52
630-20-61,1,1,2-Tetrachloroethan	e 50
100-41-4Ethylbenzene	52
m,p-Xylene	100
95-47-6o-Xylene	53
1330-20-7Xylene (Total)	160
100-42-5Styrene	53
75-25-2Bromoform	52
98-82-8Isopropylbenzene	54
79-34-51,1,2,2-Tetrachloroethan	e 56
108-86-1Bromobenzene	51
96-18-41,2,3-Trichloropropane	54
103-65-1n-Propylbenzene	53
95-49-82-Chlorotoluene	53
108-67-81,3,5-Trimethylbenzene	54
106-43-44-Chlorotoluene	52
98-06-6tert-Butylbenzene	53
95-63-61,2,4-Trimethylbenzene	54
135-98-8sec-Butylbenzene	56
99-87-64-Isopropyltoluene	54
541-73-11,3-Dichlorobenzene	53
106-46-71,4-Dichlorobenzene	52
104-51-8n-Butylbenzene	53
95-50-11,2-Dichlorobenzene	52
96-12-81,2-Dibromo-3-chloroprop	ane 54
120-82-11,2,4-Trichlorobenzene	54
87-68-3Hexachlorobutadiene	54
91-20-3Naphthalene	51 B
87-61-61,2,3-Trichlorobenzene	52

# 1A

EPA SAMPLE NO.

VOLATILE ORGANICS	ANALYSIS DATA SHEET		
	Controlation	VIWLCS	
Lab Name: MITKEM CORPORATION	Contract:	I	[
Lab Code: MITKEM Case No.:	SAS No.:	SDG No.: MF1104	
Matrix: (soil/water) SOIL	Lab S	ample ID: LCS-31817	
Sample wt/vol: 5.0 (g/	mL) G Lab F	ile ID: V1I8910	
Level: (low/med) LOW	Date	Received:	
% Moisture: not dec	Date	Analyzed: 08/23/07	
GC Column: DB-624 ID: 0.25	(mm) Dilut	ion Factor: 1.0	
Soil Extract Volume:(m	L) Soil	Aliquot Volume:	(uL)
CAS NO. COMPOUN	CONCENTRATI D (ug/L or ug		
75-71-8Dichlor         74-87-3Chlorom         75-01-4Vinyl C         74-83-9Vinyl C         74-83-9Vinyl C         75-00-3Vinyl C         75-69-4Vinyl C         75-35-4Vinyl C         75-35-4Vinyl C         75-35-4Vinyl C         67-64-1Vinyl C         67-64-1Acetone         74-88-4I,1-Dic         67-64-1Acetone         74-88-4Iodomet         75-15-0Carbon         75-09-2Methyle         156-60-5Trans-1         1634-04-4Methyl         75-34-3Vinyl a         78-93-3	ethane	46         52         51         51         50         57         50         33         52         50         33         52         50         52         50         52         52         54         52         54         52         54         52         54         52         54         52         54         52         54         52         54         52         50	

108-05-4Vinyl acetate       52         78-93-32-Butanone       47         156-59-2cis-1,2-Dichloroethene       50         590-20-72,2-Dichloropropane       48         74-97-5Bromochloromethane       52         67-66-3Chloroform       51         71-55-6Bromochloropropene       52         563-58-6			
156-59-2cis-1, 2-Dichloroethene       50         590-20-72, 2-Dichloropropane       48         74-97-5Bromochloromethane       52         67-66-3Chloroform       51         71-55-6	108-05-4Vinyl acetate	52	
590-20-72, 2-Dichloropropane       48         74-97-5Bromochloromethane       52         67-66-3Chloroform       51         71-55-6Chloroform       51         71-55-6		47	
74-97-5Bromochloromethane       52         67-66-3Chloroform       51         71-55-6Chloroform       51         71-55-6Chloroform       52         563-58-61,1-Dichloropropene       52         56-23-5Carbon Tetrachloride       52         107-06-21,2-Dichloroethane       54         71-43-2Benzene       54         79-01-6Trichloroethene       48         78-87-5Dibromomethane       55         74-95-3Bromodichloromethane       55         75-27-4Bromodichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1, 3-Dichloropropene       53	156-59-2cis-1,2-Dichloroethene	50	
74-97-5Bromochloromethane       52         67-66-3Chloroform       51         71-55-6Chloroform       51         71-55-6Chloroform       52         563-58-61,1-Dichloropropene       52         56-23-5Carbon Tetrachloride       52         107-06-21,2-Dichloroethane       54         71-43-2Benzene       54         79-01-6Trichloroethene       48         78-87-5Dibromomethane       55         74-95-3Bromodichloromethane       55         75-27-4Bromodichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1, 3-Dichloropropene       53	590-20-72,2-Dichloropropane	48	
71-55-61,1,1-Trichloroethane       52         563-58-61,1-Dichloropropene       52         56-23-5Carbon Tetrachloride       52         107-06-2Carbon Tetrachloride       54         71-43-2Benzene       54         79-01-6Trichloroethene       48         78-87-51,2-Dichloropropane       55         74-95-3Dibromomethane       55         75-27-4Bromodichloromethane       52         10061-01-5cis-1,3-Dichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1,3-Dichloropropene       53		52	
71-55-61,1,1-Trichloroethane       52         563-58-61,1-Dichloropropene       52         56-23-5Carbon Tetrachloride       52         107-06-2Carbon Tetrachloride       54         71-43-2Benzene       54         79-01-6Trichloroethene       48         78-87-51,2-Dichloropropane       55         74-95-3Dibromomethane       55         75-27-4Bromodichloromethane       52         10061-01-5cis-1,3-Dichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1,3-Dichloropropene       53	67-66-3Chloroform	51	
563-58-61,1-Dichloropropene       52         56-23-5Carbon Tetrachloride       52         107-06-2Carbon Tetrachloride       54         71-43-2Benzene       54         79-01-6Trichloroethene       48         78-87-51,2-Dichloropropane       55         74-95-3Dibromomethane       55         75-27-4Bromodichloromethane       52         10061-01-5cis-1,3-Dichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1,3-Dichloropropene       53		52	
56-23-5Carbon Tetrachloride       52         107-06-2Carbon Tetrachlorode       54         71-43-2Benzene       54         79-01-6Trichloroethene       48         78-87-51,2-Dichloropropane       55         74-95-3Dibromomethane       55         75-27-4Bromodichloromethane       52         10061-01-5cis-1,3-Dichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1,3-Dichloropropene       53			
107-06-21, 2-Dichloroethane       54         71-43-2Benzene       54         79-01-6Benzene       54         78-87-5Browethane       55         74-95-3Dibrowomethane       55         75-27-4Bromodichloromethane       52         10061-01-5cis-1, 3-Dichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1, 3-Dichloropropene       53			
71-43-2Benzene       54         79-01-6Benzene       48         78-87-5Trichloroethene       55         74-95-3Dibromomethane       55         75-27-4Bromodichloromethane       52         10061-01-5cis-1, 3-Dichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1, 3-Dichloropropene       53			
79-01-6Trichloroethene       48         78-87-51,2-Dichloropropane       55         74-95-3Dibromomethane       55         75-27-4Bromodichloromethane       52         10061-01-5cis-1,3-Dichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1,3-Dichloropropene       53			
78-87-51,2-Dichloropropane       55         74-95-3Dibromomethane       55         75-27-4Bromodichloromethane       52         10061-01-5cis-1,3-Dichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1,3-Dichloropropene       53			
74-95-3Dibromomethane       55         75-27-4Bromodichloromethane       52         10061-01-5Cis-1, 3-Dichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1, 3-Dichloropropene       53			
75-27-4Bromodichloromethane       52         10061-01-5cis-1,3-Dichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1,3-Dichloropropene       53			
10061-01-5cis-1,3-Dichloropropene       53         108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1,3-Dichloropropene       53			
108-10-14-Methyl-2-pentanone       56         108-88-3Toluene       51         10061-02-6trans-1,3-Dichloropropene       53			
108-88-3Toluene       51         10061-02-6trans-1,3-Dichloropropene       53			
10061-02-6trans-1,3-Dichloropropene53			]
79-00-51,1,2-Trichloroethane 54			
	79-00-51,1,2-Trichloroethane	54	
			,

# FORM I VOA

VOLATILE	1A ORGANICS ANALYSI	IS DATA SHE	EET	EPA SAMPL	E NO.
Lab Name: MITKEM COR	PORATION	Contract:		V1WLCS	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: MF110	4
Matrix: (soil/water)	SOIL	I	Lab Sample ID:	: LCS-31817	
Sample wt/vol:	5.0 (g/mL) G	· I	ab File ID:	V1I8910	
Level: (low/med)	LOW	· I	Date Received	:	
% Moisture: not dec.		Γ	Date Analyzed	: 08/23/07	
GC Column: DB-624	ID: 0.25 (mm)	Γ	Dilution Facto	or: 1.0	
Soil Extract Volume:	(mL)	ç	Soil Aliquot N	Volume:	(uL)
CAS NO.	COMPOUND		TRATION UNITS: or ug/Kg) UG/H		
$127-18-4\\591-78-6\\124-48-1\\106-93-4\\630-20-6\\100-41-4\\95-47-6\\1330-20-7\\100-42-5\\75-25-2\\98-82-8$	Xylene (Total) Styrene	nene nane chloroethar		54         50         52         54         51         51         51         51         51         52         54         51         51         52         53         52         53         52         53         52	

100 42 0	Degrene	54	
75-25-2		53	
	Isopropylbenzene	52	
79-34-5	1,1,2,2-Tetrachloroethane	55	
108-86-1	Bromobenzene	50	
96-18-4	1,2,3-Trichloropropane	52	
103-65-1	n-Propylbenzene	50	
95-49-8	2-Chlorotoluene	50	
108-67-8	1,3,5-Trimethylbenzene	49	
	4-Chlorotoluene	49	
98-06-6	tert-Butylbenzene	48	
	1,2,4-Trimethylbenzene	51	
	sec-Butylbenzene	50	
99-87-6	4-Isopropyltoluene	49	
	1,3-Dichlorobenzene	49	
106-46-7	1,4-Dichlorobenzene	50	
	n-Butylbenzene	50	
	1,2-Dichlorobenzene	51	
	1,2-Dibromo-3-chloropropane	55	<u> </u>
	1,2,4-Trichlorobenzene -	51	
	Hexachlorobutadiene	52	
91-20-3		53	B
	1,2,3-Trichlorobenzene	53	
	· · · · · · · · · · · · · · · · · · ·		
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# 1A

EPA SAMPLE NO.

VOLATIL	E ORGANICS ANALY	SIS DATA SHEET	1	········
			7	/1WLCSD
Lab Name: MITKEM CO	RPORATION	Contract:	v	TMPC2D
Lab Code: MITKEM	Casa No .	CAC No .	CDC No.	ME1104
Lab COUE: MIINEM	Case NO.:	SAS NO.:	SDG No.:	MF1104
Matrix: (soil/water	) SOIL	Lab S	ample ID: LCSD	)-31817
Sample wt/vol:	$5.0 (g/mI_{\rm H}) G$	lab F	ile ID: V118	1971
_	_		IIC ID. VIIO	
evel: (low/med)	LOW	Date !	Received:	
Moisture: not dec	•	Date 2	Analyzed: 08/2	:3/07
C Column: DB-624	ID: 0.25 (mm)	Dilut	ion Factor: 1.	0
Soil Extract Volume	: (mL)	Soil	Aliquot Volume	e: (1
				·
CAS NO	COMPOUND	CONCENTRATIO	ON UNITS: /Kg) UG/KG	Q
and 140.	COMP	(ug/li Or ug,	/ (g) 09/ (9	Ŷ.
		_		
	Dichlorodifly		52	
	Chloromethane	3	45	
75-01-4	Vinyl Chlorid	1e	54	
	Bromomethane		51	
	Chloroethane		57	
75-69-4	Trichloroflu	promethane	54	
	1,1-Dichloroe	ethene	47	
67-64-1			30	
	Iodomethane		50	
75-15-0	Carbon Disuli	ide	49	
	Methylene Ch		48	
156-60-5	trans-1,2-Did	chloroethene	51	
1634-04-4	Methyl tert-Methyl tert-Me	outyl ether	50	
75-34-3	1,1-Dichloroe	ethane	53	
	Vinyl acetate		50	
78-93-3	2-Butanone		46	
	cis-1,2-Dich	loroethene	50	
590-20-7	2,2-Dichlorop	propage	46	
	Bromochlorom		53	
	Chloroform			
			52	
/1-55-6	1,1,1-Trichlo	proetnane	52	
563-58-6	1,1-Dichlorop	propene	54	
56-23-5	Carbon Tetrad	hloride	52	
107-06-2	1,2-Dichloroe	ethane	53	
71-43-2			53	
79-01-6	Trichloroethe	ene	48	
78-87-5	1,2-Dichlorop	propane	55	
74-95-3	Dibromomethar	ne	56	
75-27-4	Bromodichloro	omethane	54	
10061-01-5	cis-1,3-Dich	oropropene	54	
108-10-1	4-Methyl-2-pe	entanone	55	
108-88-3			52	
	trans-1,3-Dic	hloropropene	53	
	1,1,2-Trichlo			
/9-00-5	$\tau, \tau, z$ -irichic	TOECHAILE	52	

FORM I VOA

	1A		EPA SAMPLE NO.	
VOLATILE	ORGANICS ANALYSI	S DATA SHEET		
Lab Name: MITKEM CORP		Contract:	VIWLCSD	
Lab Name: MITREM CORP	ORATION	contract:		
Lab Code: MITKEM C	ase No.:	SAS No.:	SDG No.: MF1104	
Matrix: (soil/water)	SOIL	Lab Sample	ID: LCSD-31817	
Sample wt/vol:	5.0 (g/mL) G	Lab File II	D: V1I8911	
Level: (low/med)	LOW	Date Receiv	ved:	
% Moisture: not dec.		Date Analy:	zed: 08/23/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fa	actor: 1.0	
Soil Extract Volume:_	(mL)	Soil Alique	ot Volume:(	uL)
CAS NO.	COMPOUND	CONCENTRATION UN (ug/L or ug/Kg) (		

	142-28-91,3-Dichloropropane	56	
	127-18-4Tetrachloroethene	57	
	591-78-62-Hexanone	49	
	124-48-1Dibromochloromethane	54	*******
ł	106-93-41,2-Dibromoethane	54	
	108-90-7Chlorobenzene	54	
	630-20-61,1,1,2-Tetrachloroethane	54	
	100-41-4Ethylbenzene	54	
	m,p-Xylene	110	
	95-47-6o-Xylene	54	
	1330-20-7Xylene (Total)	160	
	100-42-5Styrene	54	
	75-25-2Bromoform	55	
	98-82-8Isopropylbenzene	55	
	79-34-51,1,2,2-Tetrachloroethane	55	
	108-86-1Bromobenzene	49	
	96-18-41,2,3-Trichloropropane	52	
	103-65-1n-Propylbenzene	52	
	95-49-82-Chlorotoluene	53	
	108-67-81,3,5-Trimethylbenzene	52	
1	106-43-44-Chlorotoluene	52	
1	98-06-6tert-Butylbenzene	51	
	95-63-61,2,4-Trimethylbenzene	52	
	135-98-8sec-Butylbenzene	53	
	99-87-64-Isopropyltoluene	52	
	541-73-11,3-Dichlorobenzene	51	
	106-46-71,4-Dichlorobenzene	50	
	104-51-8n-Butylbenzene	52	
	95-50-11,2-Dichlorobenzene	52	
	96-12-81,2-Dibromo-3-chloropropane	56	
	120-82-11,2,4-Trichlorobenzene	54	
	87-68-3Hexachlorobutadiene	58	
	91-20-3Naphthalene	54	B
	87-61-61,2,3-Trichlorobenzene	56	

OLM03.0

EPA SAMPLE NO.

Tob Momo			Controlate		VP5L4	CS	
Lab Name: N	MITKEM COR	PORATION	Contract:	ł	· <u>···</u> ································		
Lab Code: N	MITKEM	Case No.:	SAS No.:	SDG	No.: MF1	104	
Matrix: (so	oil/water)	SOIL	Lab Sa	ample ID:	LCS-318	67	
Sample wt/v	vol:	5.0 (g/mL) G	Lab Fi	ile ID:	V5H9813		
Level: (]	low/med)	MED	Date H	Received:			
% Moisture:	: not dec.		Date A	Analyzed:	08/23/0	7	
GC Column:	DB-624	ID: 0.25 (mm)	Diluti	ion Facto	or: 1.0		
Soil Extrac	st Volume:	5 (mL)	Soil A	Aliquot V	olume:	100.0(	(uL)
CAS	NO.	COMPOUND	CONCENTRATIC (ug/L or ug/			2	

	0000
75-71-8Dichlorodifluoromethane	2000
74-87-3Chloromethane	2000
75-01-4Vinyl Chloride	2100
74-83-9Bromomethane	2400
75-00-3Chloroethane	2400
75-69-4Trichlorofluoromethane	2000
75-35-41,1-Dichloroethene	2200
67-64-1Acetone	1500
74-88-4Iodomethane	2300
75-15-0Carbon Disulfide	2200
75-09-2Methylene Chloride	2400
156-60-5trans-1,2-Dichloroethene	2400
1634-04-4Methyl tert-butyl ether	2400
75-34-31,1-Dichloroethane	2300
108-05-4Vinyl acetate	2200
78-93-32-Butanone	2200
156-59-2cis-1,2-Dichloroethene	2400
590-20-72,2-Dichloropropane	2300
74-97-5Bromochloromethane	2600
67-66-3Chloroform	2600
71-55-61,1,1-Trichloroethane	2400
563-58-61,1-Dichloropropene	2300
56-23-5Carbon Tetrachloride	2400
107-06-21,2-Dichloroethane	2700
71-43-2Benzene	2400
79-01-6Trichloroethene	2400
78-87-51,2-Dichloropropane	2600
74-95-3Dibromomethane	2700
75-27-4Bromodichloromethane	2500
10061-01-5cis-1,3-Dichloropropene	2500
108-10-14-Methyl-2-pentanone	2300
108-88-3Toluene	2300
10061-02-6trans-1, 3-Dichloropropene	2500
79-00-51,1,2-Trichloroethane	2700

FORM I VOA

#### 1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALY	SIS DATA SHEET
Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: LCS-31867
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: V5H9813
Level: (low/med) MED	Date Received:
% Moisture: not dec.	Date Analyzed: 08/23/07
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: 5(mL)	Soil Aliquot Volume: 100.0(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

142-28-91,3-Dichloropropane	2500
127-18-4Tetrachloroethene	2300
591-78-62-Hexanone	2300
124-48-1Dibromochloromethane	2500
106-93-41,2-Dibromoethane	2500
108-90-7Chlorobenzene	2500
630-20-61,1,1,2-Tetrachloroethane	2600
100-41-4Ethylbenzene	2400
m,p-Xylene	4800
95-47-6o-Xylene	2400
1330-20-7Xylene (Total)	7200
100-42-5Styrene	2400
75-25-2Bromoform	2600
98-82-8Isopropylbenzene	2400
79-34-51,1,2,2-Tetrachloroethane	2500
108-86-1Bromobenzene	2400
96-18-41,2,3-Trichloropropane	2300
103-65-1n-Propylbenzene	2300
95-49-82-Chlorotoluene	2400
108-67-81,3,5-Trimethylbenzene	2400
106-43-44-Chlorotoluene	2500
98-06-6tert-Butylbenzene	2300
95-63-61,2,4-Trimethylbenzene	2400
135-98-8sec-Butylbenzene	2300
99-87-64-Isopropyltoluene	2300
541-73-11,3-Dichlorobenzene	2400
106-46-71,4-Dichlorobenzene	2400
104-51-8n-Butylbenzene	2300
95-50-11,2-Dichlorobenzene	2600
96-12-81,2-Dibromo-3-chloropropane	2300
120-82-11,2,4-Trichlorobenzene	2400
87-68-3Hexachlorobutadiene	2000
91-20-3Naphthalene	2400
87-61-61,2,3-Trichlorobenzene	2300

FORM I VOA

EPA SAMPLE NO.

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VOLATILL ORGANICO MUMIL	
Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: LCSD-31867
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: V5H9814
Level: (low/med) MED	Date Received:
% Moisture: not dec.	Date Analyzed: 08/23/07
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: 5(mL)	Soil Aliquot Volume: 100.0(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
75-01-4Vinyl Chloride       2600         74-83-9Bromomethane       2700         75-00-3Chloroethane       2700         75-69-4	75-71-8Dichlorodifluoromethane	2800	
74-83-9Bromomethane       2700         75-00-3Chloroethane       2700         75-69-4Trichlorofluoromethane       2600         75-35-4		2900	
74-83-9Bromomethane       2700         75-00-3Chloroethane       2700         75-69-4Trichlorofluoromethane       2600         75-35-4	75-01-4Vinyl Chloride	2600	
75-69-4Trichlorofluoromethane       2600         75-35-41,1-Dichloroethene       2600         67-64-1Acetone       1600         74-88-4Iodomethane       2600         75-15-0Carbon Disulfide       2500         75-69-2Methylene Chloride       2500         166-60-5Trans-1,2-Dichloroethene       2600         1634-04-4Methyl tert-butyl ether       2500         75-34-31,1-Dichloroethene       2600         108-05-4Vinyl acetate       2400         78-93-32-Butanone       2400         156-59-2cis-1,2-Dichloroethene       2600         590-20-72,2-Dichloropethane       2700         74-97-5Bromochloromethane       2700         67-66-31,1,1-Trichloroethane       2700         71-55-61,1-Dichloropethene       2800         107-06-2		2700	
75-35-41, 1-Dichloroethene       2500         67-64-1Acetone       1600         74-88-4Acetone       1600         75-15-0Acetone       2600         75-15-0Carbon Disulfide       2500         75-09-2Methylene Chloride       2500         156-60-5trans-1, 2-Dichloroethene       2600         1634-04-4Methyl tert-butyl ether       2500         75-34-31, 1-Dichloroethane       2600         108-05-4Vinyl acetate       2400         78-93-32-Butanone       2400         156-59-2cis-1, 2-Dichloroethene       2600         590-20-72, 2-Dichloropropane       2700         74-97-5Bromochloromethane       2700         67-66-3Chloroform       2700         71-55-6Carbon Tetrachloride       2800         107-06-2	75-00-3Chloroethane	2700	
67-64-1Acetone       1600         74-88-4Iodomethane       2600         75-15-0Carbon Disulfide       2500         75-09-2Methylene Chloride       2500         156-60-5trans-1,2-Dichloroethene       2600         1634-04-4Methyl tert-butyl ether       2500         75-34-3Vinyl acetate       2400         78-93-3Vinyl acetate       2400         78-97-5	75-69-4Trichlorofluoromethane	2600	
74-88-4Iodomethane       2600         75-15-0Carbon Disulfide       2500         75-09-2Methylene Chloride       2500         156-60-5	75-35-41,1-Dichloroethene	2500	
75-15-0Carbon Disulfide       2500         75-09-2Methylene Chloride       2500         156-60-5trans-1,2-Dichloroethene       2600         1634-04-4Methyl tert-butyl ether       2600         75-34-31,1-Dichloroethane       2600         108-05-4Vinyl acetate       2400         78-93-32-Butanone       2400         156-59-2cis-1,2-Dichloroethene       2600         590-20-72,2-Dichloropropane       2700         74-97-5Bromochloromethane       2700         67-66-3Chloroform       2700         71-55-6	67-64-1Acetone	1600	
75-09-2Methylene Chloride2500 $156-60-5$ trans-1,2-Dichloroethene2600 $1634-04-4$ Methyl tert-butyl ether2500 $75-34-31$ ,1-Dichloroethane2600 $108-05-4Vinyl$ acetate2400 $78-93-32$ -Butanone2400 $156-59-2cis-1,2-Dichloroethene$ 2600 $590-20-72,2-Dichloropropane$ 2700 $74-97-5Bromochloromethane$ 2700 $74-97-5Cis-1,1,1-Trichloroethane$ 2700 $74-97-5Carbon Tetrachloride$ 2800 $107-06-21,2-Dichloropropane$ 2700 $71-43-2Benzene$ 2600 $79-01-6Trichloroethane$ 2800 $71-43-2Benzene$ 2600 $78-87-51,2-Dichloropropane$ 2600 $74-95-3Benzene$ 2600 $74-95-3Benzene$ 2600 $75-27-4Benzene$ 2600 $75-27-4Bromodichloromethane$ 2800 $75-27-4Bromodichloromethane$ 2600 $1061-01-54-Methyl-2-pentanone$ 2500 $108-10-1Trichloropropene25001061-02-6Trans-1,3-Dichloropropene2500$	74-88-4Iodomethane	2600	
156-60-5trans-1, 2-Dichloroethene       2600         1634-04-4Methyl tert-butyl ether       2500         75-34-31, 1-Dichloroethane       2600         108-05-4Vinyl acetate       2400         78-93-32-Butanone       2400         156-59-2cis-1, 2-Dichloroethene       2600         590-20-72, 2-Dichloropropane       2700         74-97-5Bromochloromethane       2700         67-66-3Chloroform       2700         71-55-61, 1, 1-Trichloroethane       2700         563-58-61, 1, 1-Dichloropropene       2700         563-58-61, 2-Dichloropropene       2700         563-58-61, 2-Dichloropropene       2800         107-06-2Carbon Tetrachloride       2800         107-06-2	75-15-0Carbon Disulfide	2500	
1634-04-4Methyl tert-butyl ether       2500         75-34-31,1-Dichloroethane       2600         108-05-4Vinyl acetate       2400         78-93-32-Butanone       2400         156-59-2cis-1,2-Dichloroethene       2600         590-20-72,2-Dichloropropane       2700         74-97-5Bromochloromethane       2700         67-66-3Chloroform       2700         71-55-61,1,1-Trichloroethane       2700         563-58-61,1-Dichloropropene       2700         56-23-5Carbon Tetrachloride       2800         107-06-21,2-Dichloroethane       2800         71-43-2Benzene       2600         79-01-6	75-09-2Methylene Chloride	2500	
1634-04-4Methyl tert-butyl ether       2500         75-34-31,1-Dichloroethane       2600         108-05-4Vinyl acetate       2400         78-93-32-Butanone       2400         156-59-2cis-1,2-Dichloroethene       2600         590-20-72,2-Dichloropropane       2700         74-97-5Bromochloromethane       2700         67-66-3Chloroform       2700         71-55-61,1,1-Trichloroethane       2700         563-58-61,1-Dichloropropene       2700         56-23-5Carbon Tetrachloride       2800         107-06-21,2-Dichloroethane       2800         71-43-2Benzene       2600         79-01-6	156-60-5trans-1,2-Dichloroethene	2600	
75-34-31, 1-Dichloroethane       2600         108-05-4Vinyl acetate       2400         78-93-32-Butanone       2400         156-59-2cis-1, 2-Dichloroethene       2600         590-20-72, 2-Dichloropropane       2700         74-97-5Bromochloromethane       2700         67-66-3Chloroform       2700         71-55-6	1634-04-4Methyl tert-butyl ether	2500	
78-93-32-Butanone       2400         156-59-2cis-1,2-Dichloroethene       2600         590-20-72,2-Dichloropropane       2700         74-97-5Bromochloromethane       2700         67-66-3Chloroform       2700         71-55-6Chloroform       2700         563-58-61,1,1-Trichloroethane       2700         56-23-5Carbon Tetrachloride       2800         107-06-2Benzene       2600         79-01-6Benzene       2600         78-87-5Bromodichloropropane       2600         74-95-3	75-34-31,1-Dichloroethane	2600	· · ·
156-59-2cis-1, 2-Dichloroethene       2600         590-20-72, 2-Dichloropropane       2700         74-97-5Bromochloromethane       2700         67-66-3Chloroform       2700         71-55-6	108-05-4Vinyl acetate	2400	
590-20-72, 2-Dichloropropane       2700         74-97-5Bromochloromethane       2700         67-66-3Chloroform       2700         71-55-6		2400	
74-97-5Bromochloromethane       2700         67-66-3Chloroform       2700         71-55-6Chloroform       2700         563-58-61,1,1-Trichloroethane       2700         56-23-5Carbon Tetrachloride       2800         107-06-21,2-Dichloroethane       2800         71-43-2Benzene       2600         78-87-51,2-Dichloropropane       2600         74-95-3Bromodichloropropane       2600         74-95-3	156-59-2cis-1,2-Dichloroethene	2600	
67-66-3Chloroform       2700         71-55-61,1,1-Trichloroethane       2700         563-58-61,1-Dichloropropene       2700         56-23-5Carbon Tetrachloride       2800         107-06-21,2-Dichloroethane       2800         71-43-2Benzene       2600         79-01-6Trichloroethene       2500         78-87-5Dibromomethane       2600         74-95-3Bromodichloropropane       2600         75-27-4Bromodichloromethane       2500         108-10-14-Methyl-2-pentanone       2500         108-88-3Toluene       2500         10061-02-6trans-1,3-Dichloropropene       2700	590-20-72,2-Dichloropropane	2700	
71-55-61,1,1-Trichloroethane       2700         563-58-61,1-Dichloropropene       2700         56-23-5Carbon Tetrachloride       2800         107-06-21,2-Dichloroethane       2800         71-43-2Benzene       2600         79-01-6Trichloroethene       2500         78-87-51,2-Dichloropropane       2600         74-95-3Dibromomethane       2800         75-27-4Bromodichloromethane       2600         10061-01-5cis-1,3-Dichloropropene       2500         108-88-3Toluene       2500         10061-02-6trans-1,3-Dichloropropene       2700	74-97-5Bromochloromethane	2700	
563-58-61,1-Dichloropropene       2700         56-23-5Carbon Tetrachloride       2800         107-06-21,2-Dichloroethane       2800         71-43-2Benzene       2600         79-01-6Trichloroethene       2500         78-87-51,2-Dichloropropane       2600         74-95-3Dibromomethane       2800         75-27-4Bromodichloromethane       2600         10061-01-5cis-1,3-Dichloropropene       2500         108-88-3Toluene       2500         10061-02-6trans-1,3-Dichloropropene       2700	67-66-3Chloroform	2700	
563-58-61,1-Dichloropropene       2700         56-23-5Carbon Tetrachloride       2800         107-06-21,2-Dichloroethane       2800         71-43-2Benzene       2600         79-01-6Trichloroethene       2500         78-87-51,2-Dichloropropane       2600         74-95-3Dibromomethane       2800         75-27-4Bromodichloromethane       2600         10061-01-5cis-1,3-Dichloropropene       2500         108-88-3Toluene       2500         10061-02-6trans-1,3-Dichloropropene       2700	71-55-61,1,1-Trichloroethane	2700	
107-06-21, 2-Dichloroethane       2800         71-43-2Benzene       2600         79-01-6Trichloroethene       2500         78-87-51, 2-Dichloropropane       2600         74-95-3Dibromomethane       2800         75-27-4Bromodichloromethane       2600         10061-01-5cis-1, 3-Dichloropropene       2500         108-88-3Toluene       2400         10061-02-6trans-1, 3-Dichloropropene       2700		2700	
71-43-2Benzene       2600         79-01-6Benzene       2500         78-87-5Trichloroethene       2600         74-95-3Dibromomethane       2600         75-27-4Bromodichloromethane       2600         10061-01-5cis-1,3-Dichloropropene       2500         108-10-14-Methyl-2-pentanone       2400         108-88-3Toluene       2500         10061-02-6trans-1,3-Dichloropropene       2700	56-23-5Carbon Tetrachloride	2800	
79-01-6Trichloroethene       2500         78-87-51,2-Dichloropropane       2600         74-95-3Dibromomethane       2800         75-27-4Bromodichloromethane       2600         10061-01-5cis-1,3-Dichloropropene       2500         108-10-14-Methyl-2-pentanone       2400         108-88-3Toluene       2500         10061-02-6trans-1,3-Dichloropropene       2700	107-06-21,2-Dichloroethane	2800	
78-87-51, 2-Dichloropropane       2600         74-95-3Dibromomethane       2800         75-27-4Bromodichloromethane       2600         10061-01-5cis-1, 3-Dichloropropene       2500         108-10-14-Methyl-2-pentanone       2400         108-88-3Toluene       2500         10061-02-6trans-1, 3-Dichloropropene       2700	71-43-2Benzene	2600	
74-95-3Dibromomethane       2800         75-27-4Bromodichloromethane       2600         10061-01-5cis-1,3-Dichloropropene       2500         108-10-14-Methyl-2-pentanone       2400         108-88-3Toluene       2500         10061-02-6trans-1,3-Dichloropropene       2700	79-01-6Trichloroethene	2500	
74-95-3Dibromomethane       2800         75-27-4Bromodichloromethane       2600         10061-01-5cis-1,3-Dichloropropene       2500         108-10-14-Methyl-2-pentanone       2400         108-88-3Toluene       2500         10061-02-6trans-1,3-Dichloropropene       2700		2600	·
10061-01-5cis-1,3-Dichloropropene       2500         108-10-14-Methyl-2-pentanone       2400         108-88-3Toluene       2500         10061-02-6trans-1,3-Dichloropropene       2700		2800	
108-10-14-Methyl-2-pentanone       2400         108-88-3Toluene       2500         10061-02-6trans-1,3-Dichloropropene       2700	75-27-4Bromodichloromethane	2600	
108-10-14-Methyl-2-pentanone       2400         108-88-3Toluene       2500         10061-02-6trans-1,3-Dichloropropene       2700	10061-01-5cis-1,3-Dichloropropene	2500	
108-88-3Toluene       2500         10061-02-6trans-1, 3-Dichloropropene       2700		2400	
10061-02-6trans-1,3-Dichloropropene 2700		2500	
		2700	
		2600	

# FORM I VOA

EPA SAMPLE NO.

			VP5LCSD
Lab Name: MITKEM COR	PORATION	Contract:	
Lab Code: MITKEM	Case No.:	SAS No.: SDG	No.: MF1104
Matrix: (soil/water)	SOIL	Lab Sample ID	: LCSD-31867
Sample wt/vol:	5.0 (g/mL) G	Lab File ID:	V5H9814
Level: (low/med)	MED	Date Received	:
% Moisture: not dec.		Date Analyzed	: 08/23/07
GC Column: DB-624	ID: 0.25 (mm)	Dilution Facto	or: 1.0
Soil Extract Volume:	5 (mL)	Soil Aliquot V	Volume: 100.0(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/I	-
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142-28-91,3-Dichloropropane	2500	
127-18-4Tetrachloroethene	2400	
591-78-62-Hexanone	2300	
124-48-1Dibromochloromethane	2500	
106-93-41,2-Dibromoethane	2500	
108-90-7Chlorobenzene	2500	
630-20-61,1,1,2-Tetrachloroethane	2600	
100-41-4Ethylbenzene	2500	
m,p-Xylene	5200	
95-47-6o-Xylene	2500	
1330-20-7Xylene (Total)	7700	
100-42-5Styrene	2500	
75-25-2Bromoform	2600	
98-82-8Isopropylbenzene	2600	
79-34-51,1,2,2-Tetrachloroethane	2400	
108-86-1Bromobenzene	2400	
96-18-41,2,3-Trichloropropane	2400	
103-65-1n-Propylbenzene	2400	
95-49-82-Chlorotoluene	2400	
108-67-81,3,5-Trimethylbenzene	2500	
106-43-44-Chlorotoluene	2500	
98-06-6tert-Butylbenzene	2500	
95-63-61,2,4-Trimethylbenzene	2500	
135-98-8sec-Butylbenzene	2500	
99-87-64-Isopropyltoluene	2500	
541-73-11,3-Dichlorobenzene	2600	
106-46-71,4-Dichlorobenzene	2500	
104-51-8n-Butylbenzene	2600	
95-50-11,2-Dichlorobenzene	2600	
96-12-81,2-Dibromo-3-chloropropane	2300	
120-82-11,2,4-Trichlorobenzene	2400	
87-68-3Hexachlorobutadiene	2300	
91-20-3Naphthalene	2400	
87-61-61,2,3-Trichlorobenzene	2400	
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# FORM I VOA

EPA SAMPLE NO.

VR5LCS Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Lab Sample ID: LCS-31871 Matrix: (soil/water) SOIL Lab File ID: V5H9847 Sample wt/vol: 5.0 (g/mL) G Level: (low/med) MED Date Received: Date Analyzed: 08/24/07 % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: 5(mL) Soil Aliquot Volume: 100.0(uL) CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG CAS NO. Q COMPOUND

75-71-8Dichlorodifluoromethane	2400
74-87-3Chloromethane	2200
75-01-4Vinyl Chloride	2200
74-83-9Bromomethane	
75-00-3Chloroethane	
75-69-4Trichlorofluoromethane	2300
75-35-41,1-Dichloroethene	
67-64-1Acetone	
74-88-4Iodomethane	
75-15-0Carbon Disulfide	2500
75-09-2Methylene Chloride	
156-60-5trans-1,2-Dichloroethene	
1634-04-4Methyl tert-butyl ether	2600
75-34-31,1-Dichloroethane	
108-05-4Vinyl acetate	2400
78-93-32-Butanone	
156-59-2cis-1,2-Dichloroethene	2600
590-20-72,2-Dichloropropane	2700
74-97-5Bromochloromethane	2700
67-66-3Chloroform	2800
71-55-61,1,1-Trichloroethane	2800
563-58-61,1-Dichloropropene	2700
56-23-5Carbon Tetrachloride	2900
107-06-21,2-Dichloroethane	3000
71-43-2Benzene	2600
79-01-6Trichloroethene	2600
78-87-51,2-Dichloropropane	2600
74-95-3Dibromomethane	2800
75-27-4Bromodichloromethane	2800
10061-01-5cis-1,3-Dichloropropene	2600
108-10-14-Methyl-2-pentanone	2500
108-88-3Toluene	2500
10061-02-6trans-1,3-Dichloropropene	2700
79-00-51,1,2-Trichloroethane	2700

FORM I VOA

EPA SAMPLE NO.

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- 1

Lab Name: MITKEM CORPO	ORATTON	Contract:	VR5LCS
			l l
Lab Code: MITKEM Ca	ase No.:	SAS No.: SDG	No.: MF1104
Matrix: (soil/water)	SOIL	Lab Sample ID	: LCS-31871
Sample wt/vol:	5.0 (g/mL) G	Lab File ID:	V5H9847
Level: (low/med)	MED	Date Received	:
% Moisture: not dec.		Date Analyzed	: 08/24/07
GC Column: DB-624	ID: 0.25 (mm)	Dilution Facto	or: 1.0
Soil Extract Volume:	5 (mL)	Soil Aliquot V	Volume: 100.0(uL)
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/I	-

142-28-9	1,3-Dichloropropane	2400	
127-18-4	Tetrachloroethene	2400	
591-78-6	2-Hexanone	2400	
124-48-1	Dibromochloromethane	2500	
106-93-4	1,2-Dibromoethane	2400	
108-90-7	Chlorobenzene	2400	
630-20-6	1,1,1,2-Tetrachloroethane	2600	
	Ethylbenzene	2400	
	m,p-Xylene	4800	
95-47-6		2400	
	Xylene (Total)	7200	
100-42-5	Styrene	2400	
	Bromoform	2500	
98-82-8	Isopropylbenzene	2400	
79-34-5	1,1,2,2-Tetrachloroethane	2300	
	Bromobenzene	2400	
96-18-4	1,2,3-Trichloropropane	2100	
103-65-1	n-Propylbenzene	2200	
	2-Chlorotoluene	2300	
108-67-8	1,3,5-Trimethylbenzene	2400	
	4-Chlorotoluene	2300	
98-06-6	tert-Butylbenzene	2300	
95-63-6	1,2,4-Trimethylbenzene	2300	
	sec-Butylbenzene	2300	
99-87-6	4-Isopropyltoluene	2400	
541-73-1	1,3-Dichlorobenzene	2400	
106-46-7	1,4-Dichlorobenzene	2300	
104-51-8	n-Butylbenzene	2300	
95-50-1	1,2-Dichlorobenzene	2500	
96-12-8	1,2-Dibromo-3-chloropropane	2200	
	1,2,4-Trichlorobenzene	2200	
87-68-3	Hexachlorobutadiene	2100	
91-20-3	Naphthalene	2200	
	1,2,3-Trichlorobenzene	2300	
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# FORM I VOA

2B

# SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name	: MITKEM	CORPORATION	Contract:	
Lab Code	MITKEM	Case No.:	SAS No.:	SDG No.: MF1104

Level: (low/med) LOW

	EPA	SMC1	SMC2	SMC3	OTHER	TOT
	SAMPLE NO.	#	(DCE) #	(TOL) #	(BFB)#	OUT
		π				===
01	VBLK1H	103	104	99	94	0
02	VIHLCS	98	104	99 98	94	0
03	VEW-3/4 8-12	95	90	102	118*	1
04		98	90 95	102	104	
05	VEW-4 4-8'	100	101	100	104	0
06	VEW-4 4-3 VEW-4 8-12'	95	99	103	108	0
07	VEW-1 4-8'	99	103	102	97	0 0
08	VEW-2 4-8'	98	103	102	97	
09		98	98	101	98 97	0
10	VBLK1U	100	104	103	102	0
11	VIULCS	98	99	100	102 99	0
$12^{11}$	VEW-3/4 12-1	100	100	100	99 94	0
13	VBLK1W	99	96	100	100	0
$14^{10}$		102	98	98	100	0
15	VIWLCSD	102	102	101	101	. 0
16	VEW-1 12-16'	99	102	101	102	. 0
17	VEW-2 12-16'	96	99	100	99	0
18	VEW-4 12-16'	99	98	99	103	0
19	ASW 12-16'	103	106	100	103	0
20	VEW-3 4-8'	102	103	99	103	ol
21	VEW-3 12-16'	101	99	100	103	ő
22	ASW 8-12'	98	91	101	110	ő
23		20		TOT	110	Ŭ
24						
25						
26				· · · · · · · · · · · · · · · · · · ·		
27	P					
28						
29						
30						
201		I				

QC LIMITS

SMC1	= Di	bromofluoromethane	(65-132)	
SMC2 (DCE)	= 1,	2-Dichloroethane-d4	(65-128)	
SMC3 (TOL)	= To	luene-d8	(85-115)	
OTHER (BFB)	= Br	omofluorobenzene	(77-111)	

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

page 1 of 1

FORM II VOA-2

2B

# SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION	Contract:	
Lab Code: MITKEM Case No.:	SAS No.:	SDG No.: MF1104
Level:(low/med) MED		

	EPA	SMC1	SMC2	SMC3	OTHER	TOT
	SAMPLE NO.	#	(DCE) #	(TOL)#	(BFB)#	OUT
	=======================================	======	======	=====	======	===
01	VBLKP5	115	106	92	91	0
02	VP5LCS	104	108	97	101	0
03	VP5LCSD	108	106	92	99	0
04	VEW-3/4 4-8'	112	107	90	145*	1
05	VEW-3/4 8-12	100	96	93	80	0
06	VEW-4 8-12'D	101	104	91	89	0
07	VEW-1 8-12'	104	101	99	118*	1
08	VEW-2 8-12'	103	104	95	80	0
09	ASW 8-12'DL	102	102	90	87	0
10	VEW-3 8-12'	104	100	92	72*	1
$\frac{11}{12}$	VBLKR5 VR5LCS	116 112	105 103	88 94	88 104	0
$12 \\ 13$	VEW-3/4 4-8'	112	103	94 82*	87	1
$14^{13}$	VEW-1 8-12'D	108	99	88	07 77*	1
	VEW 1 8-12 D	119	105	89	85	0
16	VEW-3 8-12'D	108	103	96	86	ő
$\overline{17}$		200		20	00	Ŭ
18						
19	<u> </u>					
20						
21						
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	QC	LIMITS
SMC1	= Dibromofluoromethane	(65-132)
	= 1,2-Dichloroethane-d4	(65-128)
		(85-115)
OTHER (BFB)	= Bromofluorobenzene	(77-111)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

page 1 of 1

FORM II VOA-2

Lab Name: MITKEM CORPORATIONContract:Lab Code: MITKEMCase No.:SAS No.:SDG No.: MF1104Matrix Spike - Sample No.: V1HLCSLevel:(low/med) LOW

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION		8	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
	========	===================	=============	======	======
Dichlorodifluoromethane	50		53	106	35-135
Chloromethane	50		44	88	50-130
Vinyl Chloride	50		47	94	60-125
Bromomethane	50		48	96	30-160
Chloroethane	50		46	92	40-155
Trichlorofluoromethane	50		47	94	25-185
1,1-Dichloroethene	50		46	92	65-135
Acetone	50		49	98	20-160
Iodomethane	50		50	100	70-126
Carbon Disulfide	50		48	96	45-160
Methylene Chloride	50		49	98	55-140
trans-1,2-Dichloroethen	50		50	100	65-135
Methyl tert-butyl ether	50		49	98	75-126
1,1-Dichloroethane	50		50	100	75-125
Vinyl acetate	50		54	108	65-138
2-Butanone	50		56	112	30-160
cis-1,2-Dichloroethene	50		49	98	65-125
2,2-Dichloropropane	50		51	102	65-135
Bromochloromethane	50		50	100	70-125
Chloroform	50		49	98	70-125
1,1,1-Trichloroethane	50		51	102	70-135
1,1-Dichloropropene	50		53	106	70-135
Carbon Tetrachloride	50		51	102	65-135
1,2-Dichloroethane	50		50	100	70-135
Benzene	50		50	100	75-125
Trichloroethene	50		51	102	75-125
1,2-Dichloropropane	50		50	100	70-120
Dibromomethane	50		52	104	75-130

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

\* Values outside of QC limits

COMMENTS:

page 1 of 3

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Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix Spike - Sample No.: V1HLCS Level: (low/med) LOW

	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC #	QC. LIMITS REC.
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
Bromodichloromethane	50		50	100	70-130
cis-1,3-Dichloropropene	50		51	102	70-125
4-Methyl-2-pentanone	50		57	114	45-145
Toluene	50		51	102	70-125
trans-1,3-Dichloroprope	50		52	104	65-125
1,1,2-Trichloroethane	50		52	104	60-125
1,3-Dichloropropane	50		51	102	75-125
Tetrachloroethene	50		51	102	65-140
2-Hexanone	50		57	114	45-145
Dibromochloromethane	50		51	102	65-130
1,2-Dibromoethane	50		52	104	70-125
Chlorobenzene	50		50	100	75-125
1,1,1,2-Tetrachloroetha	50		49	98	75-125
Ethylbenzene	50		52	104	75-125
m,p-Xylene	100		100	100	80-125
o-Xylene	50		54	108	75-125
Xylene (Total)	150		160	107	83-125
Styrene	50		54	108	75-125
Bromoform	50		52	104	55-135
Isopropylbenzene	50		54	108	75-130
1,1,2,2-Tetrachloroetha	50		54	108	55-130
Bromobenzene	50		52	104	65-120
1,2,3-Trichloropropane	50		55	110	65-130
n-Propylbenzene	50		54	108	65-135
2-Chlorotoluene	50		53	106	70-130
1,3,5-Trimethylbenzene	50		54	108	65-135
4-Chlorotoluene	50		54	108	75-125
tert-Butylbenzene	50		54	108	65-130

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

\* Values outside of QC limits

COMMENTS:

page 2 of 3

Lab Name: MITKEM CORPORATION Contract:

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

SDG No.: MF1104

Matrix Spike - Sample No.: V1HLCS

Level: (low/med) LOW

	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS	QC. LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
	=========	_================	=================	======	======
1,2,4-Trimethylbenzene	50		53	106	65-135
sec-Butylbenzene	50		54	108	65-130
4-Isopropyltoluene	50		55	110	75-135
1,3-Dichlorobenzene	50		52	104	70-125
1,4-Dichlorobenzene	50		48	96	70-125
n-Butylbenzene	50		55	110	65-140
1,2-Dichlorobenzene	50		51	102	75-120
1,2-Dibromo-3-chloropro	50		53	106	40-135
1,2,4-Trichlorobenzene	50		52	104	65-130
Hexachlorobutadiene	50		49	98	55-140
Naphthalene	50		55	110	40-125
1,2,3-Trichlorobenzene	50		51	102	60-135

# 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 68 outside limits

COMMENTS:

page 3 of 3

FORM III VOA

page 1 of 3

COMMENTS:

FORM III VOA

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

Matrix Spike - Sample No.: V1ULCS

Lab Name: MITKEM CORPORATION Contract:

Level:	(low/med)	LOW
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· · · · · · · · · · · · · · · · · · ·	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION		LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
=======================================		=================	==================	======	======
Dichlorodifluoromethane	50		53	106	35-135
Chloromethane	50		53	106	50-130
Vinyl Chloride	50		52	104	60-125
Bromomethane	50		52	104	30-160
Chloroethane	50		55	110	40-155
Trichlorofluoromethane	50		61	122	25-185
1,1-Dichloroethene	50		50	100	65-135
Acetone	50		41	82	20-160
Iodomethane	50		50	100	70-126
Carbon Disulfide	50		53	106	45-160
Methylene Chloride	50	:	50	100	55-140
trans-1,2-Dichloroethen	50		52	104	65-135
Methyl tert-butyl ether	50		55	110	75-126
1,1-Dichloroethane	50		52	104	75-125
Vinyl acetate	50		52	104	65-138
2-Butanone	50		52	104	30-160
cis-1,2-Dichloroethene	50		50	100	65-125
2,2-Dichloropropane	50		51	102	65-135
Bromochloromethane	50		51	102	70-125
Chloroform	50		50	100	70-125
1,1,1-Trichloroethane	50		52	104	70-135
1,1-Dichloropropene	50		54	108	70-135
Carbon Tetrachloride	50		53	106	65-135
1,2-Dichloroethane	50		52	104	70-135
Benzene	50		52	104	75-125
Trichloroethene	50		50	100	75-125
1,2-Dichloropropane	50		52	104	70-120
Dibromomethane	50		52	104	75-130
			1	1	

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

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\* Values outside of QC limits

SDG No.: MF1104

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104

Matrix Spike - Sample No.: V1ULCS Level: (low/med) LOW

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	00	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
=======================================	=========	===================	=================		======
Bromodichloromethane	50		52	104	70-130
cis-1,3-Dichloropropene	50		51	102	70-125
4-Methyl-2-pentanone	50		51	102	45-145
Toluene	50		51	102	70-125
trans-1,3-Dichloroprope	50		52	104	65-125
1,1,2-Trichloroethane	50		52	104	60-125
1,3-Dichloropropane	50		52	104	75-125
Tetrachloroethene	50		51	102	65-140
2-Hexanone	50		51	102	45-145
Dibromochloromethane	50		52	104	65-130
1,2-Dibromoethane	50		53	106	70-125
Chlorobenzene	50		52	104	75-125
1,1,1,2-Tetrachloroetha	50		50	100	75-125
Ethylbenzene	50		52	104	75-125
m,p-Xylene	100		100	100	80-125
o-Xylene	50		53	106	75-125
Xylene (Total)	150		160	107	83-125
Styrene	50		53	106	75-125
Bromoform	50		52	104	55-135
Isopropylbenzene	50		54	108	75-130
1,1,2,2-Tetrachloroetha	50		56	112	55-130
Bromobenzene	50		51	102	65-120
1,2,3-Trichloropropane	50		54	108	65-130
n-Propylbenzene	50		53	106	65-135
2-Chlorotoluene	50		53	106	70-130
1,3,5-Trimethylbenzene	50		54	108	65-135
4-Chlorotoluene	50		52	104	75-125
tert-Butylbenzene	50		53	106	65-130

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

\* Values outside of QC limits

COMMENTS:

page 2 of 3

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: V1ULCS

Level:(low/med) LOW

COMPOUND	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
1,2,4-Trimethylbenzene sec-Butylbenzene 4-Isopropyltoluene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dibromo-3-chloropro 1,2,4-Trichlorobenzene Hexachlorobutadiene Naphthalene 1,2,3-Trichlorobenzene	50 50 50 50 50 50 50 50 50 50 50 50 50		54 56 54 53 52 53 52 53 52 54 54 54 54 51 52	===== 108 112 108 106 104 106 104 108 108 108 108 102 104	$\begin{array}{c} ======\\ 65-135\\ 65-130\\ 75-135\\ 70-125\\ 65-140\\ 75-120\\ 40-135\\ 65-130\\ 55-140\\ 40-125\\ 60-135\\ \end{array}$

# 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 68 outside limits

COMMENTS:

page 3 of 3

\_\_\_\_\_

Lab Name: MITKEM CORPORATIONContract:Lab Code: MITKEMCase No.:SAS No.:SDG No.: MF1104Matrix Spike - Sample No.: V1WLCSLevel:(low/med) LOW

		SPIKE	SAMPLE	LCS	LCS	QC.
		ADDED	CONCENTRATION		olo	LIMITS
	COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
=		<b>m</b> =======	==============	==================	=====	======
ŀ	Dichlorodifluoromethane	50		46	92	35-135
	Chloromethane	50		52	104	50-130
	Vinyl Chloride	50		51	102	60-125
	Bromomethane	50		51	102	30-160
	Chloroethane	50		50	100	40-155
	Trichlorofluoromethane	50		57	114	25-185
	1,1-Dichloroethene	50		50	100	65-135
	Acetone	50		33	66	20-160
	Iodomethane	50		52	104	70-126
	Carbon Disulfide	50		50	100	45-160
	Methylene Chloride	50		52	104	55-140
	trans-1,2-Dichloroethen	50		52	104	65-135
	Methyl tert-butyl ether	50		52	104	75-126
	1,1-Dichloroethane	50		54	108	75-125
	Vinyl acetate	50		52	. 104	65-138
	2-Butanone	50		47	94	30-160
	cis-1,2-Dichloroethene	50		50	100	65-125
	2,2-Dichloropropane	50		48	96	65-135
	Bromochloromethane	50		52	104	70-125
	Chloroform	50		51	102	70-125
	1,1,1-Trichloroethane	50		52	104	70-135
	1,1-Dichloropropene	50		52	104	70-135
	Carbon Tetrachloride	50		52	104	65-135
	1,2-Dichloroethane	50		54	108	70-135
	Benzene	50		54	108	75-125
	Trichloroethene	50		48	96	75-125
	1,2-Dichloropropane	50	,	55	110	70-120
	Dibromomethane	50		· 55	110	75-130

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

\* Values outside of QC limits

COMMENTS:

page 1 of 6

Lab Name: MITKEM CORPORATIONContract:Lab Code: MITKEMCase No.:SAS No.:SDG No.: MF1104Matrix Spike - Sample No.: V1WLCSLevel:(low/med) LOW

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	00	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
	========	==============	===========	======	=====
Bromodichloromethane	50		52	104	70-130
cis-1,3-Dichloropropene	50		53	106	70-125
4-Methyl-2-pentanone	. 50		56	112	45-145
Toluene	50		51	102	70-125
trans-1,3-Dichloroprope	50		53	106	65-125
1,1,2-Trichloroethane	50		54	108	60-125
1,3-Dichloropropane	50		54	108	75-125
Tetrachloroethene	50		54	108	65-140
2-Hexanone	50		50	100	45-145
Dibromochloromethane	50		52	104	65-130
1,2-Dibromoethane	50		54	108	70-125
Chlorobenzene	50		51	102	75-125
1,1,1,2-Tetrachloroetha	50		51	102	75-125
Ethylbenzene	50		51	102	75-125
m,p-Xylene	100		100	100	80-125
o-Xylene	50		52	104	75-125
Xylene (Total)	150		.150	100	83-125
Styrene	50		52	104	75-125
Bromoform	50		53	106	55-135
Isopropylbenzene	50		. 52	104	75-130
1,1,2,2-Tetrachloroetha	50		55	110	55-130
Bromobenzene	50		50	100	65-120
1,2,3-Trichloropropane	50		52	104	65-130
n-Propylbenzene	50		50	100	65-135
2-Chlorotoluene	50		50	100	70-130
1,3,5-Trimethylbenzene	50		49	98	65-135
4-Chlorotoluene	50		49	98	75-125
tert-Butylbenzene	50		48	96	65-130

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

\* Values outside of QC limits

COMMENTS:

page 2 of 6

Lab Name: MITK	EM CORPORATION	Contract:			
Lab Code: MITK	EM Case No.:	SAS No.:	SDG	No.:	MF1104
Matrix Spike -	Sample No.: VIWLCS	Level: (low/m	ied)	LOW	

COMPOUND	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
	(uq/Kq)	(uq/Kq)	(ug/Kg)	REC #	REC.
	(ug/ kg/	(49/19)	(49/19)		
1,2,4-Trimethylbenzene sec-Butylbenzene 4-Isopropyltoluene 1,3-Dichlorobenzene 1,4-Dichlorobenzene n-Butylbenzene	50 50 50 50 50 50 50		51 50 49 49 50 50	102 100 98 98 100 100	65-135 65-130 75-135 70-125 70-125 65-140
1,2-Dichlorobenzene	50		51	102	75-120
1,2-Dibromo-3-chloropro	50		55	110	40-135
1,2,4-Trichlorobenzene	50		51	102	65-130
Hexachlorobutadiene	50		52	104	55-140
Naphthalene	50		53	106	40-125
1,2,3-Trichlorobenzene	50		53	106	60-135

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

\* Values outside of QC limits

COMMENTS:

page 3 of 6

FORM III VOA

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix Spike - Sample No.: V1WLCS Level: (low/med) LOW

	SPIKE	LCSD	LCSD			
	ADDED	CONCENTRATION	0/0	00	QC LI	IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD #	RPD	REC.
	========	=================			=====	======
Dichlorodifluoromethane	50	52	104	12	40	35-135
Chloromethane	50	45	90	14	40	50-130
Vinyl Chloride	50	54	108	6	40	60-125
Bromomethane	50	51	102	0	40	30-160
Chloroethane	50	57	114	13	40	40-155
Trichlorofluoromethane	50	54	108	5	40	25-185
1,1-Dichloroethene	50	47	94	6	40	65-135
Acetone	50	30	60	10	40	20-160
Iodomethane	50	50	100	4	40	70-126
Carbon Disulfide	50	49	98	2	40	45-160
Methylene Chloride	50	48	96	8	40	55-140
trans-1,2-Dichloroethen	50	51	102	2	40	65-135
Methyl tert-butyl ether	50	50	100	4	40	75-126
1,1-Dichloroethane	50	53	106	2	40	75-125
Vinyl acetate	50	50	100	4	40	65-138
2-Butanone	50	46	92	2	40	30-160
cis-1,2-Dichloroethene	50	50	100	0	40	65-125
2,2-Dichloropropane	50	46	92	4	40	65-135
Bromochloromethane	50	53	106	2	40	70-125
Chloroform	50	52	104	2	40	70-125
1,1,1-Trichloroethane	50	52	104	0	40	70-135
1,1-Dichloropropene	50	54	108	4	40	70-135
Carbon Tetrachloride	50	52	104	0	40	65-135
1,2-Dichloroethane	50	53	106	2	40	70-135
Benzene	50	53	106	2	40	75-125
Trichloroethene	50	48	96	0	40	75-125
1,2-Dichloropropane	50	55	110	0	40	70-120
Dibromomethane	50	56	112	2	40	75-130

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

\* Values outside of QC limits

COMMENTS:

page 4 of 6

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix Spike - Sample No.: VIWLCS Level:(low/med) LOW

	SPIKE	LCSD	LCSD			
	ADDED	CONCENTRATION	010	010	QC L	IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD #	RPD	REC.
	========	==================		=====		======
Bromodichloromethane	50	54	108	4	40	70-130
cis-1,3-Dichloropropene	50	54	108	2	40	70-125
4-Methyl-2-pentanone	50	55	110	2	40	45-145
Toluene	50	52	104	2	40	70-125
trans-1,3-Dichloroprope	50	53	106	0	40	65-125
1,1,2-Trichloroethane	50	52	104	4	40	60-125
1,3-Dichloropropane	50	56	112	4	40	75-125
Tetrachloroethene	50	57	114	5	40	65-140
2-Hexanone	50	49	98	2	40	45-145
Dibromochloromethane	50	54	108	4	40	65-130
1,2-Dibromoethane	50	54	108	0	40	70-125
Chlorobenzene	50	54	108	6	40	75-125
1,1,1,2-Tetrachloroetha	50	54	. 108	6	40	75-125
Ethylbenzene	50	54	108	6	40	75-125
m,p-Xylene	100	110	110	10	40	80-125
o-Xylene	50	54	108	4	40	75-125
Xylene (Total)	150	160	107	7	40	83-125
Styrene	50	54	108	4	40	75-125
Bromoform	50	55	110	4	40	55-135
Isopropylbenzene	50	55	110	6	40	75-130
1,1,2,2-Tetrachloroetha	50	55	110	0	40	55-130
Bromobenzene	50	49	98	2	40	65-120
1,2,3-Trichloropropane	50	52	104	0	40	65-130
n-Propylbenzene	50	52	104	4	40	65-135
2-Chlorotoluene	50	53	106	6	40	70-130
1,3,5-Trimethylbenzene	50	52	104	6	40	65-135
4-Chlorotoluene	50	52	104	6	40	75-125
tert-Butylbenzene	50	51	102	6	40	65-130

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

\* Values outside of QC limits

COMMENTS:

page 5 of 6

FORM III VOA

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: V1WLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LI RPD	IMITS REC.
	=======================================	=======================================	====== 104	===== 2	====== 40	===== 65-135
1,2,4-Trimethylbenzene sec-Butylbenzene	50	52	104	∠ 6	40	65-130
4-Isopropyltoluene	50	52	104	6	40	75-135
1,3-Dichlorobenzene	50	51	102	4	40	70-125
1,4-Dichlorobenzene	50	50	100	0	40	70-125
n-Butylbenzene	50	52	104	4	40	65-140
1,2-Dichlorobenzene	50	52	104	2	40	75-120
1,2-Dibromo-3-chloropro	50	56	112	2	40	40-135
1,2,4-Trichlorobenzene	50	54	108	6	40	65-130
Hexachlorobutadiene	50	58	116	11	40	55-140
Naphthalene	50	54	108	2	40	40-125
1,2,3-Trichlorobenzene	50	56	112	6	40	60-135

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

\* Values outside of QC limits

RPD: 0 out of 68 outside limits Spike Recovery: 0 out of 136 outside limits

COMMENTS:

page 6 of 6

Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1104
Matrix Spike - Sample No.: VP5LCS	Level: (low/med) MED

COMPOUND	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Acetone Iodomethane Carbon Disulfide Methylene Chloride trans-1,2-Dichloroethen	ADDED (ug/Kg) 2500 2500 2500 2500 2500 2500 2500 250	CONCENTRATION	CONCENTRATION (ug/Kg) ========= 2000 2000 2100 2400 2400 2400 2200 1500 2300 2200 2400 2400 2400	% REC # 80 80 84 96 96 80 88 60 92 88 96 96 96	LIMITS REC. ===== 30-155 40-125 50-145 30-145 60-135 60-145 70-130 40-140 72-121 35-160 55-140 60-140
Methyl tert-butyl ether	2500		2400	96	65-125
1,1-Dichloroethane	2500		2300	92	70-135
Vinyl acetate	2500		2200	88	38-163
2-Butanone	2500		2200	88	30-150
cis-1,2-Dichloroethene	2500		2400	96	70-125
2,2-Dichloropropane	2500		2300	92	70-135
Bromochloromethane	2500		2600	104	65-130
Chloroform	2500		2600	104	65-135
1,1,1-Trichloroethane 1,1-Dichloropropene Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Dibromomethane	2500 2500 2500 2500 2500 2500 2500 2500		2400 2300 2400 2700 2400 2400 2400 2600 2700	96 92 96 108 96 96 104 108	65-130 75-130 65-140 70-130 80-120 70-125 75-125 75-125

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

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\* Values outside of QC limits

COMMENTS:

page 1 of 6

FORM III VOA

Lab Name: MITKEM CORPORATIONContract:Lab Code: MITKEMCase No.:SAS No.:SDG No.: MF1104Matrix Spike - Sample No.: VP5LCSLevel:(low/med) MED

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION		olo	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
=======================================	==========	=======================================	================	=====	=====
Bromodichloromethane	2500		2500	100	75-120
cis-1,3-Dichloropropene	2500		2500	100	70-130
4-Methyl-2-pentanone	2500		2300	92	60-135
Toluene	2500		2300	92	75-120
trans-1,3-Dichloroprope	2500		2500	100	55-140
1,1,2-Trichloroethane	2500		2700	108	75-125
1,3-Dichloropropane	2500		2500	100	75-125
Tetrachloroethene	2500		2300	92	45-150
2-Hexanone	2500		2300	92	55-130
Dibromochloromethane	2500		2500	100	60-135
1,2-Dibromoethane	2500		2500	100	80-120
Chlorobenzene	2500		2500	100	80-120
1,1,1,2-Tetrachloroetha	2500		2600	104	80-130
Ethylbenzene	2500		2400	96	75-125
m,p-Xylene	5000		4800	96	75-130
o-Xylene	2500		2400	96	80-120
Xylêne (Total)	7500		7200	96	81-121
Styrene	2500		2400	96	65-135
Bromoform	2500		2600	104	70-130
Isopropylbenzene	2500		2400	96	75-125
1,1,2,2-Tetrachloroetha	2500		2500	100	65-130
Bromobenzene	2500		2400	96	75-125
1,2,3-Trichloropropane	2500	1	2300	92	75-125
n-Propylbenzene	2500		2300	92	70-130
2-Chlorotoluene	2500		2400	96	75-125
1,3,5-Trimethylbenzene	2500		2400	96	75-130
4-Chlorotoluene	2500		2500	100	75-130
tert-Butylbenzene	2500		2300	92	70-130

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

\* Values outside of QC limits

COMMENTS:

page 2 of 6

Lab Name: MITKEM CORPO	ORATION Cont	cract:		
Lab Code: MITKEM Ca	ase No.: SAS	S No.: SDO	3 No.:	MF1104
Matrix Spike - Sample	e No.: VP5LCS	Level: (low/med)	MED	

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	00	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
=======================================	========	============	==================	=====	======
1,2,4-Trimethylbenzene	2500		2400	96	75-130
sec-Butylbenzene	2500		2300	92	70-125
4-Isopropyltoluene	2500		2300	92	75-130
1,3-Dichlorobenzene	2500		2400	96	75-125
1,4-Dichlorobenzene	2500		2400	96	75-125
n-Butylbenzene	2500		2300	92	70-135
1,2-Dichlorobenzene	2500		2600	104	70-120
1,2-Dibromo-3-chloropro	2500		2300	92	50-130
1,2,4-Trichlorobenzene	2500		2400	96	65-135
Hexachlorobutadiene	2500		2000	80	50-140
Naphthalene	2500		2400	96	55-140
1,2,3-Trichlorobenzene	2500		2300	92	55-140
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# Column to be used to flag recovery and RPD values with an asterisk

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\* Values outside of QC limits

COMMENTS:

page 3 of 6

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix Spike - Sample No.: VP5LCS Level:(low/med) MED

	SPIKE	LCSD	LCSD			
	ADDED	CONCENTRATION	010	00	QC LI	IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD #	RPD	REC.
=======================================			=====	======	======	======
Dichlorodifluoromethane	2500	2800	112	33	40	30-155
Chloromethane	2500	2900	116	37	40	40-125
Vinyl Chloride	2500	2600	104	21	40	50-145
Bromomethane	2500	2700	108	12	40	30-145
Chloroethane	2500	2700	108	12	40	60-135
Trichlorofluoromethane	2500	2600	104	26	40	60-145
1,1-Dichloroethene	2500	2500	100	13	40	70-130
Acetone	2500	1600	64	6	40	40-140
Iodomethane	2500	2600	104	12	40	72-121
Carbon Disulfide	2500	2500	100	13	40	35-160
Methylene Chloride	2500	2500	100	4	40	55-140
trans-1,2-Dichloroethen	2500	2600	104	8	40	60-140
Methyl tert-butyl ether	2500	2500	100	4	40	65-125
1,1-Dichloroethane	2500	2600	104	12	40	70-135
Vinyl acetate	2500	2400	96	9	40	38-163
2-Butanone	2500	2400	96	9	40	30-150
cis-1,2-Dichloroethene	2500	2600	104	8	40	70-125
2,2-Dichloropropane	2500	2700	108	16	40	70-135
Bromochloromethane	2500	2700	108	4	40	65-130
Chloroform	2500	2700	108	4	40	65-135
1,1,1-Trichloroethane	2500	2700	108	12	40	65-130
1,1-Dichloropropene	2500	2700	108	16	40	75-130
Carbon Tetrachloride	2500	2800	112	15	40	65-140
1,2-Dichloroethane	2500	2800	112	4	40	70-130
Benzene	2500	2600	104	8	40	80-120
Trichloroethene	2500	2500	100	4	40	70-125
1,2-Dichloropropane	2500	2600	104	0	40	75-125
Dibromomethane	2500	2800	112	4	40	75-125

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

\* Values outside of QC limits

COMMENTS:

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FORM III VOA

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix Spike - Sample No.: VP5LCS Level:(low/med) MED

· · ·	SPIKE	LCSD	LCSD			
	ADDED	CONCENTRATION	010	010		IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD #	RPD	REC.
	=======	=================	=====	======	======	======
Bromodichloromethane	2500	2600	104	4	40	75-120
cis-1,3-Dichloropropene	2500	2500	100	. 0	40	70-130
4-Methyl-2-pentanone	2500	2400	96	4	40	60-135
Toluene	2500	2500	100	8	40	75-120
trans-1,3-Dichloroprope	2500	2700	108	8	40	55-140
1,1,2-Trichloroethane	2500	2600	104	4	40	75-125
1,3-Dichloropropane	2500	2500	100	0	40	75-125
Tetrachloroethene	2500	2400	96	4	40	45-150
2-Hexanone	2500	2300	92	0	40	55-130
Dibromochloromethane	2500	2500	100	0	40	60-135
1,2-Dibromoethane	2500	2500	100	0	40	80-120
Chlorobenzene	2500	2500	100	0	40	80-120
1,1,1,2-Tetrachloroetha	2500	2600	104	0	40	80-130
Ethylbenzene	2500	2500	100	4	40	75-125
m,p-Xylene	5000	5200	104	8	40	75-130
o-Xylene	2500	2500	100	4	40	80-120
Xylene (Total)	7500	7700	103	7	40	81-121
Styrene	2500	2500	100	4	40	65-135
Bromoform	2500	2600	104	0	40	70-130
Isopropylbenzene	2500	2600	104	8	40	75-125
1,1,2,2-Tetrachloroetha	2500	2400	96	4	40	65-130
Bromobenzene	2500	2400	96	0	40	75-125
1,2,3-Trichloropropane	2500	2400	96	4	40	75-125
n-Propylbenzene	2500	2400	96	4	40	70-130
2-Chlorotoluene	2500	2400	96	0	40	75-125
1,3,5-Trimethylbenzene	2500	2500	100	4	40	75-130
4-Chlorotoluene	2500	2500	100	0	40	75-130
tert-Butylbenzene	2500	2500	100	8	40	70-130
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# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

COMMENTS:

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FORM III VOA

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Lab Name: MITKEM CORPORATION	Contract:	
Lab Code: MITKEM Case No.:	SAS No.:	SDG No.: MF1104
Matrix Spike - Sample No.: N	/P5LCS Level:(low,	/med) MED

	SPIKE ADDED	LCSD CONCENTRATION	LCSD	010	<b>-</b>	IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD #	RPD	REC.
	2500	2500	100	4	40	75-130
1,2,4-Trimethylbenzene sec-Butylbenzene	2500	2500	100	8	40	70-125
4-Isopropyltoluene	2500	2500	100	8	40	75-130
1,3-Dichlorobenzene	2500	2600	104	8	40	75-125
1,4-Dichlorobenzene	2500	2500	100	4	40	75-125
n-Butylbenzene	2500	2600	104	12	40	70-135
1,2-Dichlorobenzene	2500	2600	104	0	40	70-120
1,2-Dibromo-3-chloropro	2500	2300	92	0	40	50-130
1,2,4-Trichlorobenzene	2500	2400	96	0	40	65-135
Hexachlorobutadiene	2500	2300	92	14	40	50-140
Naphthalene	2500	2400	96	0	40	55-140
1,2,3-Trichlorobenzene	2500	2400	96	4	40	55-140

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

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\* Values outside of QC limits

RPD: 0 out of 68 outside limits Spike Recovery: 0 out of 136 outside limits

COMMENTS:

page 6 of 6

FORM III VOA

Lab Name: MITKEM CORPORATIONContract:Lab Code: MITKEMCase No.:SAS No.:SDG No.: MF1104Matrix Spike - Sample No.: VR5LCSLevel:(low/med) MED

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	00	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
=======================================	=======	==========	==============	=====	=====
Dichlorodifluoromethane	2500		2400	96	30-155
Chloromethane	2500		2200	88	40-125
Vinyl Chloride	2500		2200	88	50-145
Bromomethane	2500		2800	112	30-145
Chloroethane	2500		2800	112	60-135
Trichlorofluoromethane	2500		2300	92	60-145
1,1-Dichloroethene	2500		2600	104	70-130
Acetone	2500		2100	84	40-140
Iodomethane	2500		2800	112	72-121
Carbon Disulfide	2500		2500	100	35-160
Methylene Chloride	2500		2600	104	55-140
trans-1,2-Dichloroethen	2500		2600	104	60-140
Methyl tert-butyl ether	2500		2600	104	65-125
1,1-Dichloroethane	2500		2500	100	70-135
Vinyl acetate	2500		2400	96	38-163
2-Butanone	2500		2600	104	30-150
cis-1,2-Dichloroethene	2500		2600	104	70-125
2,2-Dichloropropane	2500		2700	108	70-135
Bromochloromethane	2500		2700	108	65-130
Chloroform	2500		2800	112	65-135
1,1,1-Trichloroethane	2500		2800	112	65-130
1,1-Dichloropropene	2500		2700	108	75-130
Carbon Tetrachloride	2500		2900	116	65-140
1,2-Dichloroethane	2500		3000	120	70-130
Benzene	2500		2600	104	80-120
Trichloroethene	2500		2600	104	70-125
1,2-Dichloropropane	2500		2600	104	75-125
Dibromomethane	2500		2800	112	75-125

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

\* Values outside of QC limits

COMMENTS:

page 1 of 3

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix Spike - Sample No.: VR5LCS Level:(low/med) MED

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

\* Values outside of QC limits

COMMENTS:

page 2 of 3

Lab Name: MITKEM CORPORATIONContract:Lab Code: MITKEMCase No.:SAS No.:SDG No.: MF1104Matrix Spike - Sample No.: VR5LCSLevel:(low/med) MED

COMPOUND	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
1,2,4-Trimethylbenzene sec-Butylbenzene 4-Isopropyltoluene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dibromo-3-chloropro 1,2,4-Trichlorobenzene Hexachlorobutadiene Naphthalene 1,2,3-Trichlorobenzene	2500 2500 2500 2500 2500 2500 2500 2500		2300 2300 2400 2400 2300 2300 2500 2200 2200 2100 2200 2300	92 92 96 96 92 92 100 88 88 88 88 88 88 92	75-130 70-125 75-125 75-125 70-135 70-120 50-130 65-135 50-140 55-140 55-140

# 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 68 outside limits

COMMENTS:

page 3 of 3

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4A VOLATILE METHOD BLANK SUMMARY

VBLK1H

Lab Name: MITKEM CORPORATIONContract:Lab Code: MITKEMCase No.:SAS No.:SAS No.:SDG No.: MF1104Lab File ID: V1I8622Lab Sample ID: MB-31674Date Analyzed: 08/14/07Time Analyzed: 1529GC Column: DB-624ID: 0.25 (mm)Heated Purge: (Y/N) YInstrument ID: V1

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

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	V1HLCS	LCS-31674	V1I8623	1608
02	VEW-3/4 8-12	F1104-02B	V1I8632	2017
03	VEW-3/4 12-1	F1104-03B	V1I8633	2044
04	VEW-4 4-8'	F1104-04B	V1I8634	2112
05	VEW-4 8-12'	F1104-05B	V1I8635	2140
06	VEW-1 4-8'	F1104-07B	V1I8637	2235
07	VEW-2 4-8'	F1104-10B	V1I8640	2358
08	ASW 4-8'	F1104-13B	V1I8643	0121
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COMMENTS:

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FORM IV VOA

#### 1A

EPA SAMPLE NO.

VOLATILE	ORGANICS ANALYS	IS DATA SHEET		EPA SAMPLE	110.
				VBLK1H	
Lab Name: MITKEM COR	PORATION	Contract:	I		I
Lab Code: MITKEM	Case No.:	SAS No.:	SDG N	IO.: MF1104	
Matrix: (soil/water)	SOIL	Lab S	Sample ID:	MB-31674	
Sample wt/vol:	5.0 (g/mL) G	Lab I	File ID:	V1I8622	
Level: (low/med)	LOW .	Date	Received:		
% Moisture: not dec.		Date	Analyzed:	08/14/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilut	cion Factor	: 1.0	
Soil Extract Volume:	(mL)	Soil	Aliquot Vo	olume:	(uL)
CAS NO.	COMPOUND	CONCENTRATI (ug/L or ug		ç Q	
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-69-4\\ 75-35-4\\ 75-35-4\\ 74-88-4\\ 74-88-4\\ 75-15-0\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 78-93-3\\ 590-20-7\\ 78-93-3\\ 590-20-7\\ 78-93-3\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 78-87-5\\ 79-01-6\\ 78-87-5\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 74-95-3\\ 75-27-4\\ 108-10-1\\ 108-88-3\\ 10061-02-6\\ \end{array}$	Iodomethane Carbon Disulf Methylene Chl Trans-1,2-Dic Methyl tert-b 1,1-Dichloroe Vinyl acetate 2-Butanone cis-1,2-Dichlorop Bromochlorome Chloroform 1,1,1-Trichlor 1,2-Dichlorop Carbon Tetrac 1,2-Dichloroe Benzene Trichloroethe 1,2-Dichlorop Dibromomethar Dibromomethar Bromodichloroc cis-1,3-Dichl	e		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

#### FORM I VOA

1A VOLATILE ORGANICS ANALYS	EPA SAMPLE NO. IS DATA SHEET
Lab Name: MITKEM CORPORATION	VBLK1H Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: MB-31674
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: V1I8622
Level: (low/med) LOW	Date Received:
% Moisture: not dec.	Date Analyzed: 08/14/07
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

$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	142-28-9	1,3-Dichloropropane	5	U
124-48-1Dibromochloromethane       5       U         106-93-41, 2-Dibromoethane       5       U         108-90-7Chlorobenzene       5       U         630-20-61, 1, 1, 2-Tetrachloroethane       5       U         100-41-4Ethylbenzene       5       U        Bromobenzene       5       U         95-47-6OXylene       5       U         100-42-5Xylene       5       U         100-42-5Styrene       5       U         75-25-2Bromoform       5       U         98-82-8Bromobenzene       5       U         99-84-8				U
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	591-78-6	2-Hexanone	5	U
95-47-6o-Xylene       5       U         1330-20-7Xylene (Total)       5       U         100-42-5Styrene       5       U         75-25-2Bromoform       5       U         98-82-8Bromoform       5       U         79-34-5			5	U
95-47-6o-Xylene       5       U         1330-20-7Xylene (Total)       5       U         100-42-5Styrene       5       U         75-25-2Bromoform       5       U         98-82-8Bromoform       5       U         79-34-5			5	U
95-47-6o-Xylene       5       U         1330-20-7Xylene (Total)       5       U         100-42-5Styrene       5       U         75-25-2Bromoform       5       U         98-82-8Bromoform       5       U         79-34-51,1,2,2-Tetrachloroethane       5       U         108-86-1Bromobenzene       5       U         96-18-41,2,3-Trichloropropane       5       U         103-65-1n-Propylbenzene       5       U         95-49-82-Chlorotoluene       5       U         108-67-81,3,5-Trimethylbenzene       5       U         106-43-44-Chlorotoluene       5       U         98-06-6tert-Butylbenzene       5       U         99-87-61,2,4-Trimethylbenzene       5       U         99-87-61,3-Dichlorobenzene       5       U         99-87-61,4-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U			5	U
95-47-6o-Xylene       5       U         1330-20-7Xylene (Total)       5       U         100-42-5Styrene       5       U         75-25-2Bromoform       5       U         98-82-8Bromoform       5       U         79-34-51,1,2,2-Tetrachloroethane       5       U         108-86-1Bromobenzene       5       U         96-18-41,2,3-Trichloropropane       5       U         103-65-1n-Propylbenzene       5       U         95-49-82-Chlorotoluene       5       U         108-67-81,3,5-Trimethylbenzene       5       U         106-43-44-Chlorotoluene       5       U         98-06-6tert-Butylbenzene       5       U         99-87-61,2,4-Trimethylbenzene       5       U         99-87-61,3-Dichlorobenzene       5       U         99-87-61,4-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U			5	U
95-47-6o-Xylene       5       U         1330-20-7Xylene       (Total)       5       U         100-42-5Styrene       5       U         75-25-2Bromoform       5       U         98-82-8Bromoform       5       U         79-34-5	100-41-4	Ethylbenzene	5	U
95-47-6o-Xylene       5       U         1330-20-7Xylene (Total)       5       U         100-42-5Styrene       5       U         75-25-2Bromoform       5       U         98-82-8Bromoform       5       U         79-34-51,1,2,2-Tetrachloroethane       5       U         108-86-1Bromobenzene       5       U         96-18-41,2,3-Trichloropropane       5       U         103-65-1n-Propylbenzene       5       U         95-49-82-Chlorotoluene       5       U         108-67-81,3,5-Trimethylbenzene       5       U         106-43-44-Chlorotoluene       5       U         98-06-6tert-Butylbenzene       5       U         99-87-61,2,4-Trimethylbenzene       5       U         99-87-61,3-Dichlorobenzene       5       U         99-87-61,4-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U			5	U
1330-20-7Xylene (Total)       5         100-42-5Styrene       5         75-25-2Bromoform       5         98-82-8Bromoform       5         98-82-8Bromobenzene       5         108-86-1Bromobenzene       5         96-18-4			5	U
100-42-5Styrene       5         75-25-2Bromoform       5         98-82-8Bromoform       5         98-82-8Bromobenzene       5         108-86-1Bromobenzene       5         96-18-41,2,3-Trichloropropane       5         103-65-1n-Propylbenzene       5         95-49-82-Chlorotoluene       5         108-67-8	1330-20-7	Xylene (Total)	5	U
75-25-2Bromoform       5         98-82-8Bromoform       5         79-34-5I,1,2,2-Tetrachloroethane       5         108-86-1Bromobenzene       5         96-18-41,2,3-Trichloropropane       5         103-65-1n-Propylbenzene       5         95-49-82-Chlorotoluene       5         108-67-81,3,5-Trimethylbenzene       5         98-06-6			5	υ
98-82-8			5	υ
79-34-51,1,2,2-Tetrachloroethane       5         108-86-1Bromobenzene       5         96-18-4Bromobenzene       5         96-18-41,2,3-Trichloropropane       5         103-65-1n-Propylbenzene       5         95-49-82-Chlorotoluene       5         108-67-81,3,5-Trimethylbenzene       5         106-43-44-Chlorotoluene       5         98-06-6tert-Butylbenzene       5         95-63-61,2,4-Trimethylbenzene       5         99-87-64-Isopropyltoluene       5         99-87-61,3-Dichlorobenzene       5         106-46-71,4-Dichlorobenzene       5			5	U
108-86-1Bromobenzene       5         96-18-4Bromobenzene       5         103-65-1	79-34-5	1.1.2.2-Tetrachloroethane	5	U
96-18-41,2,3-Trichloropropane       5         103-65-1n-Propylbenzene       5         95-49-82-Chlorotoluene       5         108-67-81,3,5-Trimethylbenzene       5         106-43-44-Chlorotoluene       5         98-06-6tert-Butylbenzene       5         95-63-61,2,4-Trimethylbenzene       5         99-87-64-Isopropyltoluene       5         99-87-61,3-Dichlorobenzene       5         106-46-71,4-Dichlorobenzene       5				U
103-65-1n-Propylbenzene       5         95-49-82-Chlorotoluene       5         108-67-82-Chlorotoluene       5         106-43-44-Chlorotoluene       5         98-06-6tert-Butylbenzene       5         95-63-61,2,4-Trimethylbenzene       5         135-98-8sec-Butylbenzene       5         99-87-61,3-Dichlorobenzene       5         106-46-71,4-Dichlorobenzene       5				
95-49-82-Chlorotoluene       5         108-67-82-Chlorotoluene       5         106-43-44-Chlorotoluene       5         98-06-6tert-Butylbenzene       5         95-63-6tert-Butylbenzene       5         95-63-6			5	
108-67-81,3,5-Trimethylbenzene5       5         106-43-44-Chlorotoluene5       5         98-06-6tert-Butylbenzene5       5         95-63-61,2,4-Trimethylbenzene5       5         135-98-8sec-Butylbenzene5       5         99-87-64-Isopropyltoluene5       5         541-73-11,3-Dichlorobenzene5       5         106-46-71,4-Dichlorobenzene5       5			5	
106-43-44-Chlorotoluene       5         98-06-6tert-Butylbenzene       5         95-63-6tert-Butylbenzene       5         135-98-8sec-Butylbenzene       5         99-87-64-Isopropyltoluene       5         541-73-11,3-Dichlorobenzene       5         106-46-71,4-Dichlorobenzene       5			5	
98-06-6tert-Butylbenzene       5       U         95-63-61,2,4-Trimethylbenzene       5       U         135-98-8sec-Butylbenzene       5       U         99-87-64-Isopropyltoluene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U			5	
541-73-11,3-Dichlorobenzene       5 U         106-46-71,4-Dichlorobenzene       5 U				
541-73-11,3-Dichlorobenzene       5 U         106-46-71,4-Dichlorobenzene       5 U			5	
541-73-11,3-Dichlorobenzene       5 U         106-46-71,4-Dichlorobenzene       5 U	135-98-8	sec-Butylbenzene	5	
541-73-11,3-Dichlorobenzene       5 U         106-46-71,4-Dichlorobenzene       5 U			5	-
106-46-71,4-Dichlorobenzene 5 U			5	-
			5	1
104-51-8n-Butylbenzene 5 U			5	Ū
95-50-11,2-Dichlorobenzene 5 U			5	
96-12-81,2-Dibromo-3-chloropropane 5 U	96-12-8	1 2-Dibromo-3-chloropropane	5	
120-82-11,2,4-Trichlorobenzene 5 U			5	1 -
87-68-3Hexachlorobutadiene 5 U			5	-
91-20-3Naphthalene 5 U			5	-
87-61-61,2,3-Trichlorobenzene 5 U				Ŭ
	0/-01-0			

#### FORM I VOA

VBLK1U

4A VOLATILE METHOD BLANK SUMMARY

Lab Name: MITKEM CORPORATION Contract:

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

SDG No.: MF1104

Lab Sample ID: MB-31847

Time Analyzed: 1659

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

Instrument ID: V1

Lab File ID: V1I8882

Date Analyzed: 08/22/07

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

	EPA		LAB	LAI	3	TIME
	SAMPLE	NO	SAMPLE ID	FILE	ID	ANALYZED
~ -				V1I8883		1740
01	VIULCS		LCS-31847			
02	VEW-3/4	12-1	F1104-03BRE	V1I8904		0323
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COMMENTS:

page 1 of 1

FORM IV VOA

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#### 1A

EPA SAMPLE NO.

VBLK1U
SDG No.: MF1104
Sample ID: MB-31847
File ID: V1I8882
e Received:
e Analyzed: 08/22/07
tion Factor: 1.0
L Aliquot Volume:(uL
FION UNITS:
ıg/Kg) UG/KG Q
5       U         5

FORM I VOA

#### 1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SH	IEET		
		VBLK1U	
Lab Name: MITKEM CORPORATION Contract:	I	·····	1
Lab Code: MITKEM Case No.: SAS No.:	SDG No	.: MF1104	
Matrix: (soil/water) SOIL	Lab Sample ID: M	B-31847	
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: V	118882	
Level: (low/med) LOW	Date Received: _		
% Moisture: not dec.	Date Analyzed: 0	8/22/07	
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor:	1.0	
Soil Extract Volume:(mL)	Soil Aliquot Vol	ume:	_(uL)
	TRATION UNITS:		
CAS NO. COMPOUND (ug/L	or ug/Kg) UG/KG	Q	
142-28-91,3-Dichloropropane		5 U	
127-18-4Tetrachloroethene		5 U	
591-78-62-Hexanone		5 U	
124-48-1Dibromochloromethane		5 U	
106-93-41,2-Dibromoethane		5 U	
108-90-7Chlorobenzene		5 U	
630-20-61,1,1,2-Tetrachloroetha	ane	5 0	
100-41-4Ethylbenzene		5 U	
m,p-Xylene		5 U	
		5 U	
1330-20-7Xylene (Total)		5 U	
		5 U	
100-42-5Styrene		5 U	
75-25-2Bromoform			
98-82-8Isopropylbenzene		5 U	
79-34-51,1,2,2-Tetrachloroetha	ane	5 U	
108-86-1Bromobenzene		5 U 5 U	
96-18-41,2,3-Trichloropropane		5 U	
103-65-1n-Propylbenzene		5 U	
95-49-82-Chlorotoluene		5 U	
108-67-81,3,5-Trimethylbenzene		5 U	
106-43-44-Chlorotoluene		5 U	
98-06-6tert-Butylbenzene	· · · · · · · · · · · · · · · · ·	5 U	
95-63-61,2,4-Trimethylbenzene	······································	5 U	
135-98-8sec-Butylbenzene		5 U	
99-87-64-Isopropyltoluene		5 Ū	
99-87-64		5 U	
541-73-11, 3-Dichlorobenzene		5 U	
106-46-71,4-Dichlorobenzene		5 U	
104-51-8n-Butylbenzene			
95-50-11,2-Dichlorobenzene			
96-12-81,2-Dibromo-3-chloropr	opane_	5 U	
120-82-11,2,4-Trichlorobenzene		5 U	
87-68-3Hexachlorobutadiene		5 U	
91-20-3Naphthalene		2 J	
87-61-61,2,3-Trichlorobenzene		5 U	

#### FORM I VOA

4A VOLATILE METHOD BLANK SUMMARY

VBLK1W

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Lab File ID: V1I8909 Lab Sample ID: MB-31817 Date Analyzed: 08/23/07 Time Analyzed: 0541 Heated Purge: (Y/N) Y

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

Instrument ID: V1

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

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	=================			
01	VIWLCS	LCS-31817	V1I8910	0608
02	VIWLCSD	LCSD-31817	V118911	
				0636
03	VEW-1 12-16'	F1104-09B	V1I8914	0757
04	VEW-2 12-16'	F1104-12B	V1I8916	0852
05	VEW-4 12-16'	F1104-06B	V1I8923	1205
06	ASW 12-16'	F1104-15B	V1I8924	1232
07	VEW-3 4-8'	F1104-16B	V1I8925	1300
08	VEW-3 12-16'	F1104-18B	V1I8926	1328
09	ASW 8-12'	F1104-14B	V1I8927	1355
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#### COMMENTS:

page 1 of 1

FORM IV VOA

1A VOLATILE ORGANICS ANALYS	EPA SAMPLE NO.
	VBLK1W Contract:
Lab Name: MITKEM CORPORATION	
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: MB-31817
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: V118909
Level: (low/med) LOW	Date Received:
% Moisture: not dec.	Date Analyzed: 08/23/07
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

75-71-8	Dichlorodifluoromethane	5	U
	Chloromethane	5	U
	Vinyl Chloride	5	U
	Bromomethane	5	U
	Chloroethane	5	U
	Trichlorofluoromethane	5	U
	1,1-Dichloroethene	5	U
67-64-1		5	U
74-88-4		5	U
	Carbon Disulfide	5	υ
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
	Methyl tert-butyl ether	5	υ
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl acetate	5	υ
78-93-3	2-Butanone	5	U
	cis-1,2-Dichloroethene		υ
	2,2-Dichloropropane		υ
	Bromochloromethane		υ
67-66-3			U
71-55-6	1,1,1-Trichloroethane		υ
563-58-6	1,1-Dichloropropene	5	U
	Carbon Tetrachloride	-	υ
	1,2-Dichloroethane		U
71-43-2		5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	υ
	Dibromomethane	5	U
	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
	4-Methyl-2-pentanone	5	U
108-88-3		5	U
	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	ש
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FORM I VOA

### 1A

EPA SAMPLE NO.

VOLATILE	CORGANICS ANALYS	SIS DATA SHEET	ı <del></del>		·
Lab Name: MITKEM COR		Contract.		VBLK1W	
Lab Name: MITTEM COR	PORATION	concrace.	I		I
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.	: MF1104	
Matrix: (soil/water)	SOIL	Lab Sar	mple ID: MB	-31817	
Sample wt/vol:	5.0 (g/mL) G	Lab Fi	le ID: V1	.18909	
Level: (low/med)	LOW	Date Re	eceived:		
% Moisture: not dec.		Date Ar	nalyzed: 08	/23/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilutio	on Factor:	1.0	
Soil Extract Volume:	(mL)	Soil A	liquot Volu	me:	(uL)
		CONCENTRATION	N UNTTS.		
CAS NO.	COMPOUND	(ug/L or ug/l		Q	
$\begin{array}{c} 127 - 18 - 4 \\ 591 - 78 - 6 \\ 124 - 48 - 1 \\ 106 - 93 - 4 \\ 006 - 93 - 4 \\ 108 - 90 - 7 \\ 630 - 20 - 6 \\ 100 - 41 - 4 \\ 95 - 47 - 6 \\ 1330 - 20 - 7 \\ 100 - 42 - 5 \\ 100 - 42 - 5 \\ 75 - 25 - 2 \\ 98 - 82 - 8 \\ 79 - 34 - 5 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 86 - 1 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 95 - 49 - 8 \\ 95 - 49 - 8 \\ 95 - 49 - 8 \\ 95 - 49 - 8 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 50 - 1 \\ 96 - 12 - 8 \\ 91 - 20 - 3 \end{array}$	Xylene (Total	chene   omethane   chane   chloroethane   achloroethane   achloropropane   achloropropane   achloropropane   achloropropane   achloropropane		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

#### FORM I VOA

4A VOLATILE METHOD BLANK SUMMARY

VBLKP5

Lab Name: MITKEM CORPORATIONContract:Lab Code: MITKEMCase No.:SAS No.:SAS No.:SDG No.: MF1104Lab File ID: V5H9812Lab Sample ID: MB-31867Date Analyzed:08/23/07Time Analyzed: 1605GC Column: DB-624ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: V5V5

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

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	=======================================	=======================================		=========
01	VP5LCS	LCS-31867	V5H9813	1644
02	VP5LCSD	LCSD-31867	V5H9814	1711
03	VEW-3/4 4-8'	F1104-01B	V5H9815	1738
04	VEW-3/4 8-12		V5H9816	1805
05	VEW-4 8-12'D	F1104-05BDL	V5H9817	1832
06	VEW-1 8-12'	F1104-08B	V5H9818	1859
07	VEW-2 8-12'	F1104-11B	V5H9819	1925
08	ASW 8-12'DL	F1104-14BDL	V5H9820	1952
09	VEW-3 8-12'	F1104-17B	V5H9821	2019
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COMMENTS:

page 1 of 1

#### 1A

EPA SAMPLE NO.

VOLATILE	ORGANICS ANALYS	SIS DATA SHEET	1	<b></b>		
				VBI	LKP5	
Lab Name: MITKEM COR	PORATION	Contract:				
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: Mł	F1104	
Matrix: (soil/water)	SOIL	Lab	Sample ID:	MB-318	367	
Sample wt/vol:	5.0 (g/mL) G	Lab	File ID:	V5H981	12	
Level: (low/med)	MED	Date	Received:			
% Moisture: not dec.		Date	Analyzed:	08/23,	/07	
GC Column: DB-624			tion Facto			
Soil Extract Volume:			Aliquot N	Volume:	100	.0(uL)
		CONCENTRAT				
CAS NO.	COMPOUND	(ug/L or u			Q	
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 75-15-0\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 56-23-5\\ 107-06-2\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 74-95-3\\ 75-27-4\\ 108-10-1\\ 108-88-3\\ 10061-02-6\end{array}$	Iodomethane Carbon Disulf Methylene Chl trans-1,2-Dic Methyl tert-k 1,1-Dichloroe Vinyl acetate 2-Butanone Cis-1,2-Dichlorog Bromochlorome Chloroform 1,1,1-Trichlor 1,2-Dichlorog Benzene Trichloroethe 1,2-Dichlorog Dibromomethar Dibromomethar Cis-1,3-Dichlorog Cis-1,3-Dichlorog	e le promethane ethene loride chloroethene ethane propethane propene chloride ethane propene propane ethane propene chloropropene ene pomethane chloropropene chloropropene	_	$\begin{array}{c} 250 \\$		

FORM I VOA

#### 1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET VBLKP5 Lab Name: MITKEM CORPORATION Contract: SDG No.: MF1104 SAS No.: Lab Code: MITKEM Case No.: Lab Sample ID: MB-31867 Matrix: (soil/water) SOIL 5.0 (q/mL) G Lab File ID: V5H9812 Sample wt/vol: Date Received: Level: (low/med) MED Date Analyzed: 08/23/07 % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: 100.0(uL) Soil Extract Volume: 5 (mL) CONCENTRATION UNITS: CAS NO. COMPOUND (uq/L or uq/Kq) UG/KG 0 250 U 142-28-9-----1,3-Dichloropropane 250 U 127-18-4----Tetrachloroethene 591-78-6----2-Hexanone 250 U 124-48-1-----Dibromochloromethane 250 U 106-93-4----1,2-Dibromoethane 250 U 108-90-7-----Chlorobenzene 250 U 630-20-6-----1,1,1,2-Tetrachloroethane 250 U 100-41-4----Ethylbenzene 250 U 95-47-6-----m,p-Xylene 250 U 250 U 1330-20-7-----Xylene (Total) 250 U 100-42-5-----Styrene 250 U 250 U 75-25-2----Bromoform 98-82-8-----Isopropylbenzene 250 U 250 U 79-34-5-----1,1,2,2-Tetrachloroethane 250 U 108-86-1----Bromobenzene 96-18-4-----1,2,3-Trichloropropane 250 U 103-65-1----n-Propylbenzene 250 U 95-49-8-----2-Chlorotoluene 250 U 108-67-8-----1,3,5-Trimethylbenzene 250 U 106-43-4-----4-Chlorotoluene 250 U 98-06-6----tert-Butylbenzene 250 U 95-63-6-----1,2,4-Trimethylbenzene 250 U 135-98-8----sec-Butylbenzene 250 U 99-87-6-----4-Isopropyltoluene 250 U 541-73-1-----1, 3-Dichlorobenzene 250 U 250 U 106-46-7-----1,4-Dichlorobenzene 104-51-8----n-Butylbenzene 250 U 95-50-1-----1,2-Dichlorobenzene 250 U 250 96-12-8-----1, 2-Dibromo-3-chloropropane U 120-82-1-----1,2,4-Trichlorobenzene 250 U 87-68-3-----Hexachlorobutadiene 250 U 91-20-3----Naphthalene 250 U 87-61-6-----1,2,3-Trichlorobenzene 250 U

#### FORM I VOA

VBLKR5

4A VOLATILE METHOD BLANK SUMMARY

Lab Name: MITKEM CORPORATION

Lab Code: MITKEM Case No.:

Contract:

SDG No.: MF1104

Lab Sample ID: MB-31871

Date Analyzed: 08/24/07

Lab File ID: V5H9846

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

Instrument ID: V5

SAS No.: Time Analyzed: 0954

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

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	Didif III NO.			
01	VR5LCS	LCS-31871	V5H9847	1020
02	VEW-3/4 4-8'	F1104-01BDL	V5H9849	1114
03	VEW-1 8-12'D	F1104-08BDL	V5H9850	1141
04	VEW-2 8-12'D	F1104-11BDL	V5H9857A	1645
05	VEW-3 8-12'D	F1104-17BDL	V5H9858A	1711
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COMMENTS:

page 1 of 1

FORM IV VOA

VOLATILE	1A ORGANICS ANALYSI	S DATA SHEET		EPA SAMP	LE NO.
			× .	VBLKR	5
Lab Name: MITKEM COR	PORATION	Contract:	.  _		
Lab Code: MITKEM	Case No.:	SAS No.:	SDG 1	No.: MF11	04
Matrix: (soil/water)	SOIL	Lab Sa	mple ID:	MB-31871	
Sample wt/vol:	5.0 (g/mL) G	Lab Fi	le ID:	V5H9846	
Level: (low/med)	MED	Date R	eceived:		
% Moisture: not dec.		Date A	nalyzed:	08/24/07	
GC Column: DB-624	ID: 0.25 (mm)	Diluti	on Factor	r: 1.0	
Soil Extract Volume:	5(mL)	Soil A	liquot Vo	olume:	100.0(uI
CAS NO.	COMPOUND	CONCENTRATIC (ug/L or ug/		g Q	
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 75-00-3\\ 75-69-4\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 75-15-0\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 78-93-3\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 74-95-3\\ 75-27-4\\ 108-10-1\\ 108-88-3\end{array}$	Iodomethane Carbon Disulfi Methylene Chlc Methyl tert-bu Nethyl tert-bu 1,1-Dichloroet Vinyl acetate 2-Butanone Cis-1,2-Dichloropr Bromochloromet Chloroform 1,1,1-Trichlor Carbon Tetrach 1,2-Dichloropr Benzene Trichloroether Dibromomethane Bromodichlorom Cis-1,3-Dichlorom Cis-1,3-Dichlorom	romethane hene de oride loroethene tyl ether hane ropene hane ropene loride hane		$\begin{array}{ccccc} 250 & U \\ 250 &$	

FORM I VOA

#### 1A

EPA SAMPLE NO.

VOLATILE	ORGANICS ANALYS	IS DATA SHEET	1 t
		Character and	VBLKR5
Lab Name: MITKEM CORP	PORATION	Contract:	
Lab Code: MITKEM (	Case No.:	SAS No.: SDC	S No.: MF1104
Matrix: (soil/water)	SOIL	Lab Sample II	): MB-31871
Sample wt/vol:	5.0 (g/mL) G	Lab File ID:	V5H9846
Level: (low/med)	MED	Date Received	l:
% Moisture: not dec.		Date Analyzed	l: 08/24/07
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fact	cor: 1.0
Soil Extract Volume:	5 (mL)	Soil Aliquot	Volume: 100.0(u
		CONCENTRATION UNITS	
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/	
$\begin{array}{c} 127 - 18 - 4 \\ 591 - 78 - 6 \\ 124 - 48 - 1 \\ 106 - 93 - 4 \\ 108 - 90 - 7 \\ 630 - 20 - 6 \\ 100 - 41 - 4 \\ 95 - 47 - 6 \\ 1330 - 20 - 7 \\ 100 - 42 - 5 \\ 75 - 25 - 2 \\ 75 - 25 - 2 \\ 98 - 82 - 8 \\ 79 - 34 - 5 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 99 - 87 - 6 \\ 95 - 50 - 1 \\ 95 - 50 - 1 \\ 95 - 50 - 1 \\ 95 - 50 - 1 \\ 95 - 50 - 1 \\ 96 - 12 - 8 \\ 120 - 82 - 1 \\ 87 - 68 - 3 \\ 91 - 20 - 3 \end{array}$	Dibromochlorom 1,2-Dibromoeth Chlorobenzene 1,1,1,2-Tetrad Ethylbenzene m,p-Xylene Xylene Xylene Xylene Styrene Styrene Styrene I,2,2-Tetrad Dibromolenzene 1,2,3-Trichlor n-Propylbenzene 1,2,3-Trichlor n-Propylbenzene 1,2,4-Trimethy sec-Butylbenzene 1,2,4-Trimethy sec-Butylbenzene 1,2-Dichlorobe 1,2-Dichlorobe 1,2,4-Trichlor 1,2,4-Trichlor 1,2,4-Trichlor	nene	250U </td

FORM I VOA

# IVATER ED

## CORPORATION

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET ASW 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-15A Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3E5484 (low/med) Level: LOW Date Received: 08/10/07 % Moisture: 21 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/22/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: CAS NO. COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2	Phenol	410	U
	bis (2-Chloroethyl) Ether	410	-
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	-
106-46-7	1,4-Dichlorobenzene	410	
95-50-1	1,2-Dichlorobenzene	410	-
95-48-7	2-Methylphenol	410	-
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
	Isophorone	410	-
88-75-5	2-Nitrophenol	410	1
105-67-9	2,4-Dimethylphenol	410	
	2,4-Dichlorophenol	410	-
	1,2,4-Trichlorobenzene	410	-
	Naphthalene	410	-
106-47-8	4-Chloroaniline	410	-
87-68-3	Hexachlorobutadiene	410	F -
	bis(2-Chloroethoxy)methane	410	-
59-50-7	4-Chloro-3-Methylphenol	410	-
91-57-6	2-Methylnaphthalene	83	J
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	-
95~95_1	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	410	-
88-74-4	2-Nitroaniline	830	1
131-11-3	Dimethylphthalate	410	
208-96-8	Acenaphthylene	410	
	2,6-Dinitrotoluene	410	
99_09_2	3-Nitroaniline	830	
	Acenaphthene	410	-
		410	0
		·	

FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

ASW 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-15A Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3E5484 Level: (low/med) LOW Date Received: 08/10/07 % Moisture: 21 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: Date Analyzed: 08/22/07 1000(uL) Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

		I	
51-28-5	2,4-Dinitrophenol	830	ττ
	4-Nitrophenol	830	1
	Dibenzofuran	410	-
	2,4-Dinitrotoluene	410	-
84-66-2	Diethylphthalate	410	-
7005-72-3	4-Chlorophenyl-phenylether	410	1
	Fluorene	410	1
	4-Nitroaniline	830	1
	4,6-Dinitro-2-methylphenol	830	1 -
	N-Nitrosodiphenylamine (1)	410	1
101-55-3	4-Bromophenyl-phenylether	410	1 -
118-74-1	Hexachlorobenzene	410	1
87-86-5	Pentachlorophenol	830	1
85-01-8	Phenanthrene	410	1
120-12-7	Anthracene	410	1
	Carbazole	410	
	Di-n-butylphthalate	410	1
206-44-0	Fluoranthene	410	{
129-00-0		410	-
	Butylbenzylphthalate	410	ł
91-94-1	3,3'-Dichlorobenzidine	410	1 -
	Benzo (a) anthracene	410	-
	Chrysene	410	
117_01_7	bis(2-Ethylhexyl)phthalate	410	
117-84-0	Di-n-octylphthalate	410	
205-99-2	Benzo (b) fluoranthene	410	
203-33-2	Benzo(k) fluoranthene	410	
	Benzo(a) pyrene	410	_
102_20_5_	Indeno (1, 2, 3-cd) pyrene	410	
LJJ-JJ-J	Dibenzo (a, h) anthracene	410	
101-04-0-	Pongo (a, h, i) ponglopo		-
LJT-74-7	Benzo(g,h,i)perylene	410	U
	generated from Diphonulaming	I	I

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

ASW 4-8' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-13A Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3E5482 Level: (low/med) Date Received: 08/10/07 LOW % Moisture: 4 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/22/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH:

CAS NO.

COMPOUND

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

Q

·		••••••••••••••••••••••••••••••••••••••
108-95-2Phenol	340	U
111-44-4bis(2-Chloroethyl)Ether	340	U I
95-57-82-Chlorophenol	340	U I
541-73-11,3-Dichlorobenzene	340	
106-46-71,4-Dichlorobenzene	340	
95-50-11,2-Dichlorobenzene	340	υ
95-48-72-Methylphenol	340	U
108-60-12,2'-oxybis(1-Chloropropane)	340	U
106-44-54-Methylphenol	340	Ū
621-64-7N-Nitroso-di-n-propylamine	340	υ
67-72-1Hexachloroethane	340	Ū
98-95-3Nitrobenzene	340	υ
78-59-1Isophorone	340	Ū
88-75-52-Nitrophenol	340	υ
105-67-92,4-Dimethylphenol	340	υ
120-83-22,4-Dichlorophenol	340	υ
120-82-11,2,4-Trichlorobenzene	340	Ū
91-20-3Naphthalene	340	υ
106-47-84-Chloroaniline	340	U
87-68-3Hexachlorobutadiene	340	υ
111-91-1bis(2-Chloroethoxy)methane	340	υ
59-50-74-Chloro-3-Methylphenol	340	υ
91-57-62-Methylnaphthalene	340	U
77-47-4Hexachlorocyclopentadiene	340	ប
88-06-22,4,6-Trichlorophenol	340	ប
95-95-42,4,5-Trichlorophenol	690	<b>υ</b>
91-58-72-Chloronaphthalene	340	υ
88-74-42-Nitroaniline	690	ט 🛛
131-11-3Dimethylphthalate	340	<b>U</b>
208-96-8Acenaphthylene	340	ប
606-20-22,6-Dinitrotoluene	340	U
99-09-23-Nitroaniline	690	υ
83-32-9Acenaphthene	340	υ
· + · · · · · · · · · · · · · · · · · ·		

#### FORM I SV-1

1C

SEMIVOLATI	LE ORGANICS ANALY	SIS DATA	SHEET	
Lab Name: MITKEM COR	PORATION	Contract:		ASW 4-8'
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: MF1104
Matrix: (soil/water)	SOIL		Lab Sample ID:	F1104-13A
Sample wt/vol:	30.5 (g/mL) G		Lab File ID:	S3E5482
Level: (low/med)	LOW	:	Date Received:	08/10/07
% Moisture: 4	decanted: (Y/N)	N	Date Extracted	l:08/13/07
Concentrated Extract	Volume: 1000(	uL) :	Date Analyzed:	08/22/07
Injection Volume:	1.0(uL)	:	Dilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:			
CAS NO.	COMPOUND		TRATION UNITS: or uq/Kq) UG/K	

(ug/L or ug/Kg) UG/KG

Q

51-28-5	2,4-Dinitrophenol	690	U
100-02-7	4-Nitrophenol	690	
132-64-9	Dibenzofuran	340	Ū
	2,4-Dinitrotoluene		Ū
	Diethylphthalate	340	Ū
7005-72-3	4-Chlorophenyl-phenylether		Ū
86-73-7	Fluorene	340	Ū
100-01-6	4-Nitroaniline	690	Ū
534-52-1	4,6-Dinitro-2-methylphenol	690	Ū
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	Ū
	Hexachlorobenzene	340	Ū
87-86-5	Pentachlorophenol		Ū
	Phenanthrene	340	U
120-12-7	Anthracene		U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
	Fluoranthene	340	U
129-00-0	Pyrene	340	U
	Butylbenzylphthalate	340	U.
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9		340	U
117-81-7	bis(2-Ethylhexyl)phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno (1,2,3-cd) pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U
	separated from Diphenylamine		

#### FORM I SV-2

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

ASW 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-14A Sample wt/vol: 30.2 (q/mL) G Lab File ID: S3E5483 Level: (low/med) LOW Date Received: 08/10/07 % Moisture: 18 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: Date Analyzed: 08/22/07 1000 (uL) Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: CAS NO. (ug/L or ug/Kg) UG/KG COMPOUND Q

I <del></del>		1	·····
108-95-2	Phenol	400	υ
	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
	1,3-Dichlorobenzene	400	U
	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U U
	2,2'-oxybis(1-Chloropropane)	400	Ū
106-44-5	4-Methylphenol	400	-
	N-Nitroso-di-n-propylamine	400	-
	Hexachloroethane	400	1
	Nitrobenzene	400	1
	Isophorone	400	-
	2-Nitrophenol	400	-
	2,4-Dimethylphenol	400	-
120-83-2	2,4-Dichlorophenol	400	Ū
120-82-1	1,2,4-Trichlorobenzene	400	Ū
	Naphthalene	94	
	4-Chloroaniline	400	Ū
	Hexachlorobutadiene	400	
	bis(2-Chloroethoxy)methane	400	υ
	4-Chloro-3-Methylphenol	400	
91-57-6	2-Methylnaphthalene	240	J
77-47-4	Hexachlorocyclopentadiene	400	υ
88-06-2	2,4,6-Trichĺorophenol —	400	U
	2,4,5-Trichlorophenol	810	U
	2-Chloronaphthalene	400	U
	2-Nitroaniline	810	
	Dimethylphthalate	400	
208-96-8	Acenaphthylene	400	
	2,6-Dinitrotoluene	400	
	3-Nitroaniline	810	_
	Acenaphthene	400	Ū
	·· <b>r</b>		

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ASW 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: Matrix: (soil/water) SOIL 30.2 (g/mL) G Lab File ID: Sample wt/vol: Level: (low/med) LOW % Moisture: 18 decanted: (Y/N) N Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL)GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

SDG No.: MF1104 Lab Sample ID: F1104-14A S3E5483 Date Received: 08/10/07 Date Extracted:08/13/07 Date Analyzed: 08/22/07

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

0

	2,4-Dinitrophenol	810	-
	4-Nitrophenol	810	-
	Dibenzofuran	400	-
	2,4-Dinitrotoluene	400	1
84-66-2	Diethylphthalate	400	-
	4-Chlorophenyl-phenylether	400	-
86-73-7		400	ט
	4-Nitroaniline	810	ប
534-52-1	4,6-Dinitro-2-methylphenol	810	U -
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
	Di-n-butylphthalate	66	J
	Fluoranthene	400	U
129-00-0		400	U
	Butylbenzylphthalate	400	υ
91-94-1	3,3'-Dichlorobenzidine	400	U
	Benzo (a) anthracene	400	U
218-01-9		400	U
	bis(2-Ethylhexyl)phthalate	60	1
	Di-n-octylphthalate	400	U
	Benzo(b) fluoranthene	400	Ū
	Benzo(k) fluoranthene	400	U
	Benzo (a) pyrene	400	
	Indeno(1,2,3-cd)pyrene	400	-
	Dibenzo(a, h) anthracene	400	_
	Benzo(g,h,i)perylene	400	1
		l	

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION	Contract:	S3HLCS
Lab Code: MITKEM	Case No.:	SAS No.: SDG	No.: MF1104
Matrix: (soil/water)	SOIL	Lab Sample ID:	LCS-31658
Sample wt/vol:	30.0 (g/mL) G	Lab File ID:	S3E5443
Level: (low/med)	LOW	Date Received:	
% Moisture: 0	decanted: (Y/N) 1	N Date Extracted	l:08/13/07
Concentrated Extract	Volume: 1000(u	uL) Date Analyzed:	08/20/07
Injection Volume:	1.0(uL)	Dilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:		

CAS NO.

COMPOUND

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

Q

108-95-2Phenol 1300 111-44-4bis(2-Chloroethyl)Ether 1200	
95-57-82-Chlorophenol 1300	
541-73-11,3-Dichlorobenzene 1200	
106-46-71,4-Dichlorobenzene 1200	
95-50-11,2-Dichlorobenzene 1200	
95-48-72-Methylphenol 1200	
108-60-12,2'-oxybis(1-Chloropropane) 1600	
106-44-54-Methylphenol 1300	
621-64-7N-Nitroso-di-n-propylamine 1300	
67-72-1Hexachloroethane 1300	
98-95-3Nitrobenzene 1300	
78-59-1Isophorone 1200	
88-75-52-Nitrophenol 1200	
105-67-92,4-Dimethylphenol 790	
120-83-22,4-Dichlorophenol 1200	
120-82-11,2,4-Trichlorobenzene 1200	
91-20-3Naphthalene 1300	
106-47-84-Chloroaniline 930	
87-68-3Hexachlorobutadiene 1100	
111-91-1bis(2-Chloroethoxy)methane 1200	
59-50-74-Chloro-3-Methylphenol 1300	
91-57-62-Methylnaphthalene 1300	
77-47-4Hexachlorocyclopentadiene 940	
88-06-22,4,6-Trichlorophenol 1200	
95-95-42,4,5-Trichlorophenol 1200	
91-58-72-Chloronaphthalene1300	
88-74-42-Nitroaniline1400	
131-11-3Dimethylphthalate 1400	
208-96-8Acenaphthylene1300	
606-20-22,6-Dinitrotoluene1300	
99-09-23-Nitroaniline1000	
83-32-9Acenaphthene1300	
· · · · · · · · · · · · · · · · · · ·	

FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

			S3HLCS
Lab Name: MITKEM COR	PORATION	Contract:	
Lab Code: MITKEM	Case No.:	SAS No.: SDG	No.: MF1104
Matrix: (soil/water)	SOIL	Lab Sample ID	: LCS-31658
Sample wt/vol:	30.0 (g/mL) G	Lab File ID:	S3E5443
Level: (low/med)	LOW	Date Received	•
% Moisture: 0	decanted: $(Y/N)$	N Date Extracted	d:08/13/07
Concentrated Extract	Volume: 1000(	uL) Date Analyzed	: 08/20/07
Injection Volume:	1.0(uL)	Dilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:	- · · · · · ·	
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/1	-

51-28-52,4-Dinitrophenol	480	J
100-02-74-Nitrophenol	1500	
132-64-9Dibenzofuran	1400	
121-14-22,4-Dinitrotoluene	1400	
84-66-2Diethylphthalate	1400	
7005-72-34-Chlorophenyl-phenylether	1200	
86-73-7Fluorene	1400	
100-01-64-Nitroaniline	900	
534-52-14,6-Dinitro-2-methylphenol	930	
86-30-6N-Nitrosodiphenylamine (1)	1300	
101-55-34-Bromophenyl-phenylether	1200	•
118-74-1Hexachlorobenzene	1200	
87-86-5Pentachlorophenol	620	J
85-01-8Phenanthrene	1500	J
120-12-7Anthracene	1400	
86-74-8Carbazole	1500	
84-74-2Di-n-butylphthalate	1600	
206-44-0Fluoranthene	1500	
129-00-0Pyrene	1500	
85-68-7Butylbenzylphthalate	1400	
91-94-13,3'-Dichlorobenzidine	1400	
56-55-3Benzo(a) anthracene	1500	•
218-01-9Chrysene	1400	
117-81-7bis(2-Ethylhexyl)phthalate	1600	
117-84-0Di-n-octylphthalate	1600	
205-99-2Benzo (b) fluoranthene	1500	
207-08-9Benzo(k) fluoranthene	1400	·
50-32-8Benzo (a) pyrene	1400	
193-39-5Indeno(1,2,3-cd)pyrene	1400	
53-70-3Dibenzo (a, h) anthracene	1400	
191-24-2Benzo(q,h,i)perylene	1400	
	1400	

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-1 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-09A Lab File ID: S3E5478 Sample wt/vol: 30.0 (g/mL) G Level: (low/med) LOW Date Received: 08/10/07 decanted: (Y/N) N Date Extracted:08/13/07 % Moisture: 19 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/22/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: COMPOUND CAS NO. (ug/L or ug/Kg) UG/KG Q

	<b>*</b> • • • • • • • • • • • • • • • • • • •	·
108-95-2Phenol	410	τ
111-44-4bis (2-Chloroethyl) Ether	410	τ
95-57-82-Chlorophenol	410	
541-73-11,3-Dichlorobenzene	410	1 [
106-46-71,4-Dichlorobenzene	410	-
95-50-11,2-Dichlorobenzene	410	
95-48-72-Methylphenol	410	-
108-60-12,2'-oxybis (1-Chloropropane)	410	-
106-44-54-Methylphenol	410	
621-64-7N-Nitroso-di-n-propylamine	410	
67-72-1Hexachloroethane	410	
98-95-3Nitrobenzene	410	
78-59-1Isophorone	410	Ū
88-75-52-Nitrophenol	410	Ū
105-67-92,4-Dimethylphenol	410	Ū
120-83-22,4-Dichlorophenol	410	υ
120-82-11,2,4-Trichlorobenzene	410	υ
91-20-3Naphthalene	410	υ
106-47-84-Chloroaniline	410	U
87-68-3Hexachlorobutadiene	410	υ
111-91-1bis (2-Chloroethoxy) methane	410	U
59-50-74-Chloro-3-Methylphenol	410	U
91-57-62-Methylnaphthalene	410	υ
77-47-4Hexachlorocyclopentadiene	410	U
88-06-22,4,6-Trichlorophenol	410	U
95-95-42,4,5-Trichlorophenol	830	U
91-58-72-Chloronaphthalene	410	U
88-74-42-Nitroaniline	830	U
131-11-3Dimethylphthalate	410	U
208-96-8Acenaphthylene	410	υ
606-20-22,6-Dinitrotoluene	410	υ
99-09-23-Nitroaniline	830	U
83-32-9Acenaphthene	410	υ

#### FORM I SV-1

VEW-1 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-09A Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5478 Level: (low/med)LOW Date Received: 08/10/07 decanted: (Y/N) N % Moisture: 19 Date Extracted:08/13/07 Concentrated Extract Volume: Date Analyzed: 08/22/07 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

#### (ug/L or ug/Kg) UG/KG

Q

		<b>T</b>	I
51-28-5	2,4-Dinitrophenol	830	υ
	4-Nitrophenol	830	Ū
	Dibenzofuran	410	
	2,4-Dinitrotoluene	410	
	Diethylphthalate	410	1
7005-72-3	4-Chlorophenyl-phenylether	410	1
86-73-7	Fluorene	410	1
	4-Nitroaniline	830	
	4,6-Dinitro-2-methylphenol	830	
	N-Nitrosodiphenylamine (1)	410	1
101-55-3	4-Bromophenyl-phenylether	410	1 -
118-74-1	Hexachlorobenzene	410	
	Pentachlorophenol	830	
85-01-8	Phenanthrene	410	
	Anthracene	410	
	Carbazole	410	
	Di-n-butylphthalate	410	
206-44-0	Fluoranthene	410	
129-00-0		410	
	Butylbenzylphthalate	410	-
91_94_1	3,3'-Dichlorobenzidine	410	
56-55-3	Benzo (a) anthracene	410	
	Chrysene	410	
117_91_7	bis(2-Ethylhexyl)phthalate	410	
117-84-0	Di-n-octylphthalate	410	
205-99-2	Benzo (b) fluoranthene	410	1
203-33-2	Benzo(k) fluoranthene	410	
50-32-8	Benzo (a) pyrene	410	-
193_39_5	Indeno(1,2,3-cd)pyrene	410	4
53-70-3	Dibenzo(a, h) anthracene	410	
191-24-2	Benzo(g,h,i)perylene	410	-
	Derrad (g, 11, 1) per y terre	- <del>4</del> 10	
Cannot bo	generated from Diphenulamine		

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-1 4-8' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-07A Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5476 (low/med) Level: LOW Date Received: 08/10/07 % Moisture: 5 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/22/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH:

CAS NO.

COMPOUND

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

Q

		I	·····
108-95-2	Phenol	350	υ
111-44-4	bis(2-Chloroethyl)Ether	350	
95-57-8	2-Chlorophenol	350	
541-73-1	1,3-Dichlorobenzene	350	1
	1,4-Dichlorobenzene	350	
	1,2-Dichlorobenzene	350	
	2-Methylphenol	350	
	2,2'-oxybis(1-Chloropropane)	350	1-
	4-Methylphenol	350	
	N-Nitroso-di-n-propylamine	350	-
	Hexachloroethane	350	
	Nitrobenzene		-
		350	
78-59-1		350	
	2-Nitrophenol	350	
105-67-9	2,4-Dimethylphenol	350	-
120-83-2	2,4-Dichlorophenol	350	
	1,2,4-Trichlorobenzene	350	- ·
91-20-3	Naphthalene	350	
	4-Chloroaniline	350	-
	Hexachlorobutadiene	350	U
	bis(2-Chloroethoxy)methane	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
	2,4,6-Trichlorophenol	350	U
	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	350	
	2-Nitroaniline	700	
	Dimethylphthalate	350	
	Acenaphthylene	350	
606-20-2	2,6-Dinitrotoluene	350	1
99-09-2	3-Nitroaniline	700	1
	Acenaphthene	350	
		350	

#### FORM I SV-1

#### 1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-1 4-8' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-07A Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5476 Level: (low/med) LOW Date Received: 08/10/07 % Moisture: 5 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

COMPOUND (ug/L or ug/Kg) UG/KG

1	٦.	
t.	•	

	-	_	
51-28-5	2,4-Dinitrophenol	700	тт
	4-Nitrophenol	700	-
	Dibenzofuran	350	-
	2,4-Dinitrotoluene	350	
	Diethylphthalate	350	
7005-72-3	4-Chlorophenyl-phenylether	350	1
86-73-7		350	1
	4-Nitroaniline	700	
	4,6-Dinitro-2-methylphenol	700	
	N-Nitrosodiphenylamine (1)	350	
	4-Bromophenyl-phenylether	350	
		350	-
	Pentachlorophenol	700	
	Phenanthrene	350	
120-12-7		350	
86-74-8		350	_
84-74-2	Di-n-butylphthalate	350	
	Fluoranthene	350	
129-00-0	Pyrene	350	
85-68-7	Butylbenzylphthalate	350	ł .
91-94-1	3,3'-Dichlorobenzidine	350	
56-55-3	Benzo(a)anthracene	350	
218-01-9	Chrysene	350	
117-81-7	bis(2-Ethylhexyl)phthalate	46	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	
1) Connot ho	separated from Diphenylamine		

(1) - Cannot be separated from Diphenylamine

CAS NO.

#### FORM I SV-2

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

VEW-1 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-08A Sample wt/vol: 30.2 (q/mL) G Lab File ID: S3E5477 Level: (low/med) LOW Date Received: 08/10/07 decanted: (Y/N) N % Moisture: 17 Date Extracted:08/13/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/22/07 Injection Volume: Dilution Factor: 1.0 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

	1	·
108-95-2Phenol	390	υ
111-44-4bis(2-Chloroethyl)Ether	390	Ū
95-57-82-Chlorophenol	390	
541-73-11,3-Dichlorobenzene	390	
106-46-71,4-Dichlorobenzene	390	
95-50-11,2-Dichlorobenzene	390	-
95-48-72-Methylphenol	390	-
108-60-12,2'-oxybis(1-Chloropropane)	390	
106-44-54-Methylphenol	390	
621-64-7N-Nitroso-di-n-propylamine	390	
67-72-1Hexachloroethane	390	
98-95-3Nitrobenzene	390	
78-59-1Isophorone	390	-
88-75-52-Nitrophenol	390	
105-67-92,4-Dimethylphenol	390	
120-83-22,4-Dichlorophenol	390	Ū
120-82-11,2,4-Trichlorobenzene	390	-
91-20-3Naphthalene	670	-
106-47-84-Chloroaniline	390	<u> </u>
87-68-3Hexachlorobutadiene	390	
111-91-1bis(2-Chloroethoxy)methane	390	1
59-50-74-Chloro-3-Methylphenol	390	1
91-57-62-Methylnaphthalene	2100	-
77-47-4Hexachlorocyclopentadiene	390	Ū
88-06-22,4,6-Trichlorophenol	390	υ
95-95-42,4,5-Trichlorophenol	800	υ
91-58-72-Chloronaphthalene	390	υ
88-74-42-Nitroaniline	800	ł
131-11-3Dimethylphthalate	390	U
208-96-8Acenapĥtĥylene	390	U
606-20-22,6-Dinitrotoluene	390	
99-09-23-Nitroaniline	800	U
83-32-9Acenaphthene	390	Ū

FORM I SV-1

VEW-1 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-08A Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3E5477 Level: (low/med) LOW Date Received: 08/10/07 % Moisture: 17 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/22/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

		1	1
51-28-5	2,4-Dinitrophenol	800	ש
	4-Nitrophenol	800	-
	Dibenzofuran	390	f
	2,4-Dinitrotoluene	390	
84-66-2	Diethylphthalate	390	
7005-72-3	4-Chlorophenyl-phenylether	390	1
86-73-7	Fluorene	44	-
	4-Nitroaniline	800	-
	4,6-Dinitro-2-methylphenol	800	-
	N-Nitrosodiphenylamine (1)	390	1 -
101-55-3	4-Bromophenyl-phenylether	390	-
118-74-1	Hexachlorobenzene	390	-
	Pentachlorophenol	800	
	Phenanthrene	390	
	Anthracene	390	
86-74-8	Carbazole	390	
	Di-n-butylphthalate	1000	-
	Fluoranthene	390	
129-00-0		390	U
	Butylbenzylphthalate	390	U
91-94-1	3,3 <sup>1</sup> -Dichlorobenzidine	390	U
	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate —	390	υ
205-99-2	Benzo(b)fluoranthene	390	υ
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	υ
	Benzo(g,h,i)perylene	390	υ

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

OLM03.0

0495

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-2 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-12A Sample wt/vol: 30.1 (q/mL) G Lab File ID: S3E5481 Level: (low/med) Date Received: 08/10/07 LOW decanted: (Y/N) N % Moisture: 22 Date Extracted:08/13/07 Concentrated Extract Volume: Date Analyzed: 08/22/07 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

#### (ug/L or ug/Kg) UG/KG

Q

		,	<del>r</del>
108-95-2	Phenol	420	υ
	bis(2-Chloroethyl)Ether	420	-
	2-Chlorophenol	420	-
	1,3-Dichlorobenzene	420	-
	1,4-Dichlorobenzene	420	1
	1,2-Dichlorobenzene	420	-
	2-Methylphenol	420	-
	2,2'-oxybis (1-Chloropropane)	420	-
	4-Methylphenol	420	-
	N-Nitroso-di-n-propylamine	420	-
	Hexachloroethane	420	-
	Nitrobenzene	420	-
	Isophorone	420	-
	2-Nitrophenol	420	
	2,4-Dimethylphenol	420	-
120-83-2	2,4-Dichlorophenol	420	
120-82-1	1,2,4-Trichlorobenzene	420	
	Naphthalene	420	
	4-Chloroaniline	420	
	Hexachlorobutadiene	420	
	bis(2-Chloroethoxy)methane	420	
	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	860	U
	2-Chloronaphthalene	420	U
	2-Nitroaniline	860	U
	Dimethylphthalate	420	U
	Acenaphthylene	420	-
	2,6-Dinitrotoluene	420	-
	3-Nitroaniline	860	-
	Acenaphthene	420	U .
		120	
		·	

#### FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION	Contract:		VEW-2 12-16'
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: MF1104
Matrix: (soil/water)	SOIL	1	Lab Sample ID:	F1104-12A
Sample wt/vol:	30.1 (g/mL) G	1	Lab File ID:	S3E5481
Level: (low/med)	LOW	I	Date Received:	08/10/07
% Moisture: 22	decanted: (Y/N)	N I	Date Extracted	:08/13/07
Concentrated Extract	Volume: 1000(	uL) I	Date Analyzed:	08/22/07
Injection Volume:	1.0(uL)	I	Dilution Facto	r: 1.0
GPC Cleanup: (Y/N)	N pH:	-		
		CONCENT	TRATTON UNTTS:	

CAS NO.

COMPOUND

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

Q

		<u> </u>
51-28-52,4-Dinitrophenol	860	υ
100-02-74-Nitrophenol	- 860	U
132-64-9Dibenzofuran	420	
121-14-22,4-Dinitrotoluene	- 420	U
84-66-2Diethylphthalate	420	U
7005-72-34-Chlorophenyl-phenylether	420	
86-73-7Fluorene	420	-
100-01-64-Nitroaniline	860	U
534-52-14,6-Dinitro-2-methylphenol	- 860	1
86-30-6N-Nitrosodiphenylamine (1)	420	-
101-55-34-Bromophenyl-phenylether	- 420	-
118-74-1Hexachlorobenzene	- 420	U.
87-86-5Pentachlorophenol	- 860	Ū
85-01-8Phenanthrene	420	
120-12-7Anthracene	420	Ū
86-74-8Carbazole	- 420	
84-74-2Di-n-butylphthalate	420	
206-44-0Fluoranthene	420	
129-00-0Pyrene	420	
85-68-7Butylbenzylphthalate	420	Ū
91-94-13,3'-Dichlorobenzidine	- 420	
56-55-3Benzo(a)anthracene	420	Ū
218-01-9Chrysene	- 420	
117-81-7bis(2-Ethylhexyl)phthalate	420	
117-84-0Di-n-octylphthalate	420	U
205-99-2Benzo(b) fluoranthene	420	
207-08-9Benzo(k) fluoranthene	420	U
50-32-8Benzo (a) pyrene	420	F
193-39-5Indeno (1,2,3-cd) pyrene	420	1
53-70-3Dibenzo(a,h)anthracene	420	
191-24-2Benzo(g,h,i)perylene	420	Ū
	- 1	

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

OLM03.0

COMPOUND

CAS NO.

0

VEW-2 4-8' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Lab Sample ID: F1104-10A Matrix: (soil/water) SOIL Sample wt/vol: 30.1 (q/mL) G Lab File ID: S3E5479 Date Received: 08/10/07 Level: (low/med)LOW % Moisture: 9 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: Date Analyzed: 08/22/07 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

108-95-2----Phenol 360 U 111-44-4-----bis (2-Chloroethyl) Ether 360 U 95-57-8----2-Chlorophenol 360 U 541-73-1-----1, 3-Dichlorobenzene 360 U 106-46-7-----1,4-Dichlorobenzene 360 U 95-50-1-----1,2-Dichlorobenzene 360 U 95-48-7----2-Methylphenol 360 U 108-60-1-----2,2'-oxybis(1-Chloropropane) 360 U 106-44-5-----4-Methylphenol 360 U 621-64-7----N-Nitroso-di-n-propylamine 360 U 67-72-1-----Hexachloroethane 360 U 98-95-3-----Nitrobenzene 360 U 78-59-1----Isophorone 360 U 88-75-5-----2-Nitrophenol 360 U 105-67-9----2,4-Dimethylphenol 360 U 120-83-2-----2,4-Dichlorophenol 360 U 120-82-1-----1,2,4-Trichlorobenzene 360 U 91-20-3-----Naphthalene 360 U 106-47-8-----4-Chloroaniline 360 U 87-68-3-----Hexachlorobutadiene 360 U 111-91-1-----bis (2-Chloroethoxy) methane 360 U 59-50-7----4-Chloro-3-Methylphenol 360 U 91-57-6-----2-Methylnaphthalene 360 U 77-47-4-----Hexachlorocyclopentadiene 360 U 88-06-2-----2,4,6-Trichlorophenol 360 U 95-95-4-----2,4,5-Trichlorophenol 730 U 91-58-7-----2-Chloronaphthalene 360 U 88-74-4----2-Nitroaniline 730 U 131-11-3----Dimethylphthalate 360 U 208-96-8-----Acenaphthylene 360 U 606-20-2-----2, 6-Dinitrotoluene 360 U 99-09-2-----3-Nitroaniline 730 U 83-32-9-----Acenaphthene 360 U

(ug/L or ug/Kg) UG/KG

#### FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

VEW-2 4-8' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-10A Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3E5479 (low/med) Level: Date Received: 08/10/07 LOW % Moisture: 9 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: Date Analyzed: 08/22/07 1000(uL) Injection Volume: Dilution Factor: 1.0 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

#### (ug/L or ug/Kg) UG/KG

Q

		1	1
51-28-5	2,4-Dinitrophenol	730	U
	4-Nitrophenol	730	1
	Dibenzofuran	360	1
	2,4-Dinitrotoluene	360	i
	Diethylphthalate	360	
	4-Chlorophenyl-phenylether	360	
86-73-7		360	
	4-Nitroaniline	730	
	4,6-Dinitro-2-methylphenol	730	
	N-Nitrosodiphenylamine (1)	360	
101-55-3	4-Bromophenyl-phenylether	360	1
118-74-1	Hexachlorobenzene	360	
	Pentachlorophenol	730	
	Phenanthrene	360	
	Anthracene	360	
86-74-8		360	
	Di-n-butylphthalate	360	
206 - 11 = 0 = - = -	Fluoranthene	360	
129-00-0		360	
	Butylbenzylphthalate	360	
	3,3'-Dichlorobenzidine	360	
	Benzo(a) anthracene	360	
218-01-9		360	
	bis(2-Ethylhexyl)phthalate	360	
117_84_0	Dis(2-Echymexy))phchalace	360	
205-99-2	Benzo (b) fluoranthene	360	
203-33-2	Benzo(k) fluoranthene	360	1
ZU/-UO-J	Benzo(a) pyrene	360	
102 20 E	Indono (1, 2, 2, ad) pursono		(
LJJ-JJ-J	Indeno(1,2,3-cd)pyrene	360	
101 04 0	Dibenzo(a, h) anthracene	360	
191-24-2	Benzo(g,h,i)perylene	360	
Course to be		I	I

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-2 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-11A Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5480 Level: (low/med) Date Received: 08/10/07 LOW % Moisture: 19 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/22/07 Injection Volume: Dilution Factor: 1.0 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

#### (ug/L or ug/Kg) UG/KG

Q

		·····	1
108-95-2	Phenol	410	υ
111-44-4	bis(2-Chloroethyl)Ether	410	U
	2-Chlorophenol	410	
	1,3-Dichlorobenzene	410	υ
	1,4-Dichlorobenzene	410	1
95-50-1	1,2-Dichlorobenzene	410	ט
95-48-7	2-Methylphenol	410	U
	2,2'-oxybis(1-Chloropropane)	410	U
	4-Methylphenol	410	U
	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	Ū
98-95-3	Nitrobenzene	410	Ū
	Isophorone	410	Ū
	2-Nitrophenol	410	U
	2,4-Dimethylphenol	410	U
120-83-2	2,4-Dichlorophenol	410	1
120-82-1	1,2,4-Trichlorobenzene	410	U
	Naphthalene	200	J
	4-Chloroaniline	410	U
	Hexachlorobutadiene	410	ט
	bis(2-Chloroethoxy)methane	410	ט
	4-Chloro-3-Methylphenol	410	ט
	2-Methylnaphthalene	380	J
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	830	U
91-58-7	2-Chloronaphthalene	410	U
	2-Nitroaniline	830	U
131-11-3	Dimethylphthalate	410	U
	Acenaphthylene	410	U
	2,6-Dinitrotoluene	410	U
	3-Nitroaniline	830	U
	Acenaphthene	410	U
	* <u></u>		
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	·

#### FORM I SV-1

VEW-2 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-11A Sample wt/vol: 30.0 (q/mL) G Lab File ID: S3E5480 Level: (low/med) Date Received: 08/10/07 LOW % Moisture: 19 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: Date Analyzed: 08/22/07 1000(uL) Injection Volume: Dilution Factor: 1.0 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

(uq/L or ug/Kg) UG/KG

Q

	2,4-Dinitrophenol	830	U
	4-Nitrophenol	830	U
	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7		410	U
	4-Nitroaniline	830	U
534-52-1	4,6-Dinitro-2-methylphenol	830	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
	Pentachlorophenol	830	U
85-01-8	Phenanthrene	410	U
	Anthracene	410	U
	Carbazole	410	U
	Di-n-butylphthalate	720	
	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	-
	3,3'-Dichlorobenzidine	410	U
	Benzo(a)anthracene	410	U
218-01-9		410	-
117-81-7	bis(2-Ethylhexyl)phthalate	56	
117-84-0	Di-n-octylphthalate	410	
	Benzo(b)fluoranthene	410	
	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	υ
	Dibenzo(a,h)anthracene	410	-
191-24-2	Benzo(g,h,i)perylene	410	U

#### FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-3 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-18A Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3E5444 Level: (low/med) Date Received: 08/10/07 LOW % Moisture: 23 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/20/07 Injection Volume: Dilution Factor: 1.0 1.0(uL)GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2	Phenol	420	U
	bis(2-Chloroethyl)Ether	420	Ū
	2-Chlorophenol	420	-
	1,3-Dichlorobenzene	420	
	1,4-Dichlorobenzene	420	
	1,2-Dichlorobenzene	420	-
	2-Methylphenol	420	-
	2,2'-oxybis(1-Chloropropane)	420	-
106-44-5	4-Methylphenol	420	1
	N-Nitroso-di-n-propylamine	420	-
67-72-1	Hexachloroethane	420	
	Nitrobenzene	420	-
	Isophorone	420	1 -
	2-Nitrophenol	420	1
	2,4-Dimethylphenol	420	-
	2,4-Dichlorophenol	420	_
	1,2,4-Trichlorobenzene	420	-
91-20-3	Naphthalene	420	
106-47-8	4-Chloroaniline	420	-
	Hexachlorobutadiene	420	-
	bis (2-Chloroethoxy) methane	420	-
59-50-7	4-Chloro-3-Methylphenol	420	-
	2-Methylnaphthalene	420	-
	Hexachlorocyclopentadiene	420	1 -
88-06-2	2,4,6-Trichlorophenol	420	1
	2,4,5-Trichlorophenol	860	-
91_58_7	2-Chloronaphthalene	420	1
	2-Nitroaniline	860	-
	Dimethylphthalate	420	1
	Acenaphthylene	420	-
	2,6-Dinitrotoluene	420	1
	3-Nitroaniline	860	UU
	Acenaphthene	420	UU -
03-32-3		420	
			1

#### FORM I SV-1

EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1104
Matrix: (soil/water) SOIL	Lab Sample ID: F1104-18A
Sample wt/vol: 30.5 (g/mL) G	Lab File ID: S3E5444
Level: (low/med) LOW	Date Received: 08/10/07
% Moisture: 23 decanted: (Y/N)	N Date Extracted:08/13/07
Concentrated Extract Volume: 1000	(uL) Date Analyzed: 08/20/07
Injection Volume: 1.0(uL)	Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:	_
	CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

I			·
	51-28-52,4-Dinitrophenol	860	U
	100-02-74-Nitrophenol	860	υ
	132-64-9Dibenzofuran	420	
	121-14-22,4-Dinitrotoluene	420	U
	84-66-2Diethylphthalate	420	1
	7005-72-34-Chlorophenyl-phenylether	420	
	86-73-7Fluorene	420	
	100-01-64-Nitroaniline	860	-
	534-52-14,6-Dinitro-2-methylphenol	860	
	86-30-6N-Nitrosodiphenylamine (1)	420	
	101-55-34-Bromophenyl-phenylether	420	-
	118-74-1Hexachlorobenzene	420	
	87-86-5Pentachlorophenol	860	
	85-01-8Phenanthrene	420	
	120-12-7Anthracene	420	
	86-74-8Carbazole	420	
	84-74-2Di-n-butylphthalate	420	
	206-44-0Fluoranthene	420	-
	129-00-0Pyrene	420	
	85-68-7Butylbenzylphthalate	420	
	91-94-13,3'-Dichlorobenzidine	420	-
	56-55-3Benzo (a) anthracene	420	
	218-01-9Chrysene	420	
	117-81-7bis (2-Ethylhexyl) phthalate	420	
	117-84-0Di-n-octylphthalate	420	
	205-99-2Benzo (b) fluoranthene	420	
	207-08-9Benzo(k) fluoranthene	420	
	50-32-8Benzo (a) pyrene	420	
	193-39-5Indeno (1,2,3-cd) pyrene	420	
	53-70-3Dibenzo (a, h) anthracene	420	-
	191-24-2Benzo(g,h,i)perylene	420	-
4	Connet be generated from Diphemilening		· i

(1) - Cannot be separated from Diphenylamine

# FORM I SV-2

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-3 12-16'MS Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: Matrix: (soil/water) SOIL Sample wt/vol: 30.5 (g/mL) G Lab File ID: Level: (low/med) LOW decanted: (Y/N) N % Moisture: 23 Concentrated Extract Volume: 1000(uL) Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH:

SDG No.: MF1104 Lab Sample ID: F1104-18AMS S3E5445 Date Received: 08/10/07 Date Extracted:08/13/07 Date Analyzed: 08/20/07 Dilution Factor: 1.0

CAS NO.

COMPOUND

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

0

	·····
108-95-2Phenol	1300
111-44-4bis(2-Chloroethyl)Ether	1200
95-57-82-Chlorophenol	1400
541-73-11,3-Dichlorobenzene	1200
106-46-71,4-Dichlorobenzene	1200
95-50-11,2-Dichlorobenzene	1200
95-48-72-Methylphenol	1300
108-60-12,2'-oxybis(1-Chloropropane)	1600
106-44-54-Methylphenol	1400
621-64-7N-Nitroso-di-n-propylamine	1400
67-72-1Hexachloroethane	1300
98-95-3Nitrobenzene	1300
78-59-1Isophorone	1300
88-75-52-Nitrophenol	1400
105-67-92,4-Dimethylphenol	1400
120-83-22,4-Dichlorophenol	1300
120-82-11,2,4-Trichlorobenzene	1200
91-20-3Naphthalene	1300
106-47-84-Chloroaniline	930
87-68-3Hexachlorobutadiene	1200
111-91-1bis(2-Chloroethoxy)methane	1200
59-50-74-Chloro-3-Methylphenol	1400
91-57-62-Methylnaphthalene	1300
77-47-4Hexachlorocyclopentadiene	660
88-06-22,4,6-Trichlorophenol	1300
95-95-42,4,5-Trichlorophenol	1300
91-58-72-Chloronaphthalene	1400
88-74-42-Nitroaniline	1500
131-11-3Dimethylphthalate	1400
208-96-8Acenaphthylene	1400
606-20-22,6-Dinitrotoluene	1400
99-09-23-Nitroaniline	860
83-32-9Acenaphthene	1400
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#### FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

VEW-3 12-16'MS Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-18AMS Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3E5445 Level: (low/med)LOW Date Received: 08/10/07 % Moisture: 23 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/20/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

51-28-5	2,4-Dinitrophenol	210	J
	4-Nitrophenol	1500	
	Dibenzofuran	1400	
	2,4-Dinitrotoluene	1400	
	Diethylphthalate	1500	
	4-Chlorophenyl-phenylether	1300	
86-73-7		1400	
	4-Nitroaniline	1000	
	4,6-Dinitro-2-methylphenol	650	J
	N-Nitrosodiphenylamine (1)	1500	_
101-55-3	4-Bromophenyl-phenylether	1300	
118-74-1	Hexachlorobenzene	1300	
	Pentachlorophenol	1100	·
	Phenanthrene	1600	
	Anthracene	1600	
86-74-8		1600	
	Di-n-butylphthalate	1700	
	Fluoranthene	1600	
129-00-0		1600	••••
	Butylbenzylphthalate	1500	
	3,3'-Dichlorobenzidine	1400	
	Benzo(a) anthracene	1500	<u> </u>
218-01-9		1600	
	bis(2-Ethylhexyl)phthalate	1700	
117-84-0	Di-n-octylphthalate	1700	······································
205-99-2	Benzo(b) fluoranthene	1600	
207-08-9	Benzo(k) fluoranthene	1600	
50-32-8	Benzo(a) pyrene	1500	
	Indeno (1,2,3-cd) pyrene	1500	
	Dibenzo(a, h) anthracene	1500	
	Benzo(g,h,i)perylene	1400	
فنكر بلاغيكر بغر حريبي		1100	•
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(1) - Cannot be separated from Diphenylamine

## FORM I SV-2

OLM03.0

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

VEW-3 12-16'MSD Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-18AMSD Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5446 Level: (low/med) LOW Date Received: 08/10/07 decanted: (Y/N) N % Moisture: 23 Date Extracted:08/13/07 Concentrated Extract Volume: Date Analyzed: 08/20/07 1000 (uL) Injection Volume: Dilution Factor: 1.0 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: CAS NO.

(ug/L or ug/Kg) UG/KG

0

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108-95-2Phenol	1300
111-44-4bis(2-Chloroethyl)Ether	1200
95-57-82-Chlorophenol	1300
541-73-11,3-Dichlorobenzene	1200
106-46-71,4-Dichlorobenzene	1200
95-50-11,2-Dichlorobenzene	1200
95-48-72-Methylphenol	1300
108-60-12,2'-oxybis(1-Chloropropane)	1600
106-44-54-Methylphenol	1300
621-64-7N-Nitroso-di-n-propylamine	1400
67-72-1Hexachloroethane	1300
98-95-3Nitrobenzene	1300
78-59-1Isophorone	1200
88-75-52-Nitrophenol	1200
105-67-92,4-Dimethylphenol	1400
120-83-22,4-Dichlorophenol	1300
120-82-11,2,4-Trichlorobenzene	1200
91-20-3Naphthalene	1300
106-47-84-Chloroaniline	1000
87-68-3Hexachlorobutadiene	1100
111-91-1bis(2-Chloroethoxy)methane	1200
59-50-74-Chloro-3-Methylphenol	1400
91-57-62-Methylnaphthalene	1300
77-47-4Hexachlorocyclopentadiene	650
88-06-22,4,6-Trichlorophenol	1300
95-95-42,4,5-Trichlorophenol	1300
91-58-72-Chloronaphthalene	1300
88-74-42-Nitroaniline	1500
131-11-3Dimethylphthalate	1400
208-96-8Acenaphthylene	1400
606-20-22, 6-Dinitrotoluene	1400
99-09-23-Nitroaniline	1100
83-32-9Acenaphthene	1300

#### FORM I SV-1

EPA SAMPLE NO.

VEW-3 12-16'MSD Contract: Lab Name: MITKEM CORPORATION Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-18AMSD Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5446 Date Received: 08/10/07 Level: (low/med) LOW % Moisture: 23 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: Date Analyzed: 08/20/07 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH:

COMPOUND

CAS NO.

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

Q

	1	
51-28-52,4-Dinitrophenol	91	J
100-02-74-Nitrophenol	1700	
132-64-9Dibenzofuran	1400	
121-14-22,4-Dinitrotoluene	1400	
84-66-2Diethylphthalate	1400	
7005-72-34-Chlorophenyl-phenylether	1300	
86-73-7Fluorene	1400	
100-01-64-Nitroaniline	1100	
534-52-14,6-Dinitro-2-methylphenol	350	J
86-30-6N-Nitrosodiphenylamine (1)	1400	
101-55-34-Bromophenyl-phenylether	1300	
118-74-1Hexachlorobenzene	1200	
87-86-5Pentachlorophenol	800	J
85-01-8Phenanthrene	1500	
120-12-7Anthracene	1500	
86-74-8Carbazole	1600	
84-74-2Di-n-butylphthalate	1700	
206-44-0Fluoranthene	1600	
129-00-0Pyrene	1600	
85-68-7Butylbenzylphthalate	1500	
91-94-13,3'-Dichlorobenzidine	1800	
56-55-3Benzo(a) anthracene	1500	
218-01-9Chrysene	1500	
117-81-7bis(2-Ethylhexyl)phthalate	1700	
117-84-0Di-n-octylphthalate	1600	
205-99-2Benzo (b) fluoranthene	1400	
207-08-9Benzo(k) fluoranthene	1600	
50-32-8Benzo (a) pyrene	1400	
193-39-5Indeno (1, 2, 3-cd) pyrene	1400	
53-70-3Dibenzo(a,h)anthracene	1400	
191-24-2Benzo(q,h,i)perylene	1400	

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

OLM03.0

0147

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-3 4-8' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM SAS No.: Case No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-16A Sample wt/vol: 30.3 (g/mL) G Lab File ID: S3E5485 (low/med) Level: LOW Date Received: 08/10/07 % Moisture: 6 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/22/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

			1
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	
106-46-7	1,4-Dichlorobenzene	350	
95-50-1	1,2-Dichlorobenzene	350	
	2-Methylphenol	350	
	2,2'-oxybis(1-Chloropropane)	350	
	4-Methylphenol	350	1
	N-Nitroso-di-n-propylamine	350	
67-72-1	Hexachloroethane	350	1
98-95-3	Nitrobenzene	350	1 -
	Isophorone	350	1
	2-Nitrophenol	350	1
	2,4-Dimethylphenol		1
		350	1
120-83-2	2,4-Dichlorophenol	350	
120-82-1	1,2,4-Trichlorobenzene	350	-
91-20-3	Naphthalene	350	1
	4-Chloroaniline	350	1
	Hexachlorobutadiene	350	ļ
	bis(2-Chloroethoxy)methane	350	-
	4-Chloro-3-Methylphenol	350	
	2-Methylnaphthalene	350	U
	Hexachlorocyclopentadiene	350	U
	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	700	U
131-11-3	Dimethylphthalate	350	U
	Acenaphthylene	350	U
	2,6-Dinitrotoluene	350	-
	3-Nitroaniline	700	
	Acenaphthene	350	
·····			

FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

VEW-3 4-8' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-16A Sample wt/vol: 30.3 (g/mL) G Lab File ID: S3E5485 Level: (low/med) LOW Date Received: 08/10/07 % Moisture: 6 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: Date Analyzed: 08/22/07 1000(uL) Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

1			
51-28-5	2,4-Dinitrophenol	700	υ
	4-Nitrophenol	700	
	Dibenzofuran	350	
	2,4-Dinitrotoluene	350	
	Diethylphthalate	350	
	4-Chlorophenyl-phenylether	350	
86-73-7		350	
	4-Nitroaniline	700	
	4,6-Dinitro-2-methylphenol	700	
	N-Nitrosodiphenylamine (1)	350	
	4-Bromophenyl-phenylether	350	
	Hexachlorobenzene	350	
	Pentachlorophenol	700	
	Phenanthrene	350	•
	Anthracene	350	
86-74-8		350	
	Di-n-butylphthalate	350	ł
	Fluoranthene	350	
129-00-0		350	
	Butylbenzylphthalate	350	
91-94-1	3,3'-Dichlorobenzidine	350	
56-55-3	Benzo(a) anthracene	350	
218-01-9	Chrysene	350	
117-81-7	bis(2-Ethylhexyl)phthalate	350	
	Di-n-octylphthalate	350	
205-99-2	Benzo (b) fluoranthene	350	
207-08-9	Benzo(k) fluoranthene	350	
50-32-8	Benzo(a) pyrene	350	
193-39-5	Indeno(1,2,3-cd)pyrene	350	
53-70-3	Dibenzo (a, h) anthracene	350	
191-24-2	Benzo(g,h,i)perylene	350	
		550	
Connot ho	apparented from Diphonulaming		

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-3/4 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM SAS No.: Case No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-03A Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3E5474 Level: (low/med) Date Received: 08/10/07 LOW % Moisture: 25 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/22/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

		_	
108-95-2		440	-
	bis(2-Chloroethyl)Ether	440	-
	2-Chlorophenol	440	-
	1,3-Dichlorobenzene	440	U
	1,4-Dichlorobenzene	440	U
	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
	2,2'-oxybis(1-Chloropropane)	440	υ
	4-Methylphenol	440	U
	N-Nitroso-di-n-propylamine	440	U
	Hexachloroethane	440	Ū
	Nitrobenzene	440	TT
	Isophorone	440	-
	2-Nitrophenol	440	-
	2,4-Dimethylphenol	440	-
	2,4-Dichlorophenol	440	-
	1,2,4-Trichlorobenzene	440	
	Naphthalene	440	-
	4-Chloroaniline	440	
	Hexachlorobutadiene	440	1
	bis (2-Chloroethoxy) methane	440	1 -
			1
	4-Chloro-3-Methylphenol	440	-
91-5/-6	2-Methylnaphthalene	440	-
	Hexachlorocyclopentadiene	440	-
	2,4,6-Trichlorophenol	440	-
	2,4,5-Trichlorophenol	890	
	2-Chloronaphthalene	440	-
	2-Nitroaniline	890	-
	Dimethylphthalate	440	-
	Acenaphthylene	. 440	ט
	2,6-Dinitrotoluene	440	<b></b> ע
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	440	U

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-3/4 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-03A Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3E5474 Level: (low/med) LOW Date Received: 08/10/07 % Moisture: 25 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: Date Analyzed: 08/22/07 1000(uL) Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

		· · · · · ·	1
51-28-5	2,4-Dinitrophenol	890	υ
100-02-7	4-Nitrophenol	890	U
	Dibenzofuran	440	ט
121-14-2	2,4-Dinitrotoluene	440	U
	Diethylphthalate	440	1
	4-Chlorophenyl-phenylether	440	U
86-73-7		440	
	4-Nitroaniline	890	U
	4,6-Dinitro-2-methylphenol	890	1
	N-Nitrosodiphenylamine (1)	440	1
	4-Bromophenyl-phenylether	440	
118-74-1	Hexachlorobenzene	440	Ū
	Pentachlorophenol	890	U
	Phenanthrene	440	ł.
	Anthracene	440	U
86-74-8	Carbazole	440	1
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	440	U
129-00-0		440	
	Butylbenzylphthalate	440	Ū
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo (a) anthracene	440	-
218-01-9		440	Ū
	bis(2-Ethylhexyl)phthalate	440	U
	Di-n-octylphthalate	440	U
205-99-2	Benzo(b) fluoranthene	440	σ
207-08-9	Benzo(k) fluoranthene	440	υ
50-32-8	Benzo (a) pyrene	440	
193-39-5	Indeno (1,2,3-cd) pyrene	440	Ū
53-70-3	Dibenzo (a, h) anthracene	440	1
191-24-2	Benzo(g,h,i)perylene	440	1
		I <u></u>	I

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

OLM03.0

ca ca

# 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

	VEW-3/4 4-8'			
Lab Name: MITKEM CORPORATION Contract	:			
Lab Code: MITKEM Case No.: 0289M SAS No.	.: SDG No.: MF1104			
Matrix: (soil/water) SOIL	Lab Sample ID: F1104-01A			
Sample wt/vol: 30.1 (g/mL) G	Lab File ID: S3E5487			
Level: (low/med) LOW	Date Received: 08/10/07			
% Moisture: 16 decanted: (Y/N) N	Date Extracted:08/13/07			
Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/22/07				
Injection Volume: 1.0(uL)	Dilution Factor: 4.0			
GPC Cleanup: (Y/N) N pH:				
CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q				
108-95-2Phenol 111-44-4bis (2-Chloroethyl) Ethe 95-57-82-Chlorophenol 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene	1600 U         1600 U         1600 U         1600 U         1600 U         200 J         5700         1600 U			

	200 J
106-46-71,4-Dichlorobenzene	
95-50-11,2-Dichlorobenzene	5700
95-48-72-Methylphenol	1600 U
108-60-12,2'-oxybis(1-Chloropr	
106-44-54-Methylphenol	1600 U
621-64-7N-Nitroso-di-n-propyla	mine 1600 U
67-72-1Hexachloroethane	1600 U
98-95-3Nitrobenzene	1600 U
78-59-1Isophorone	1600 U
88-75-52-Nitrophenol	1600 U
105-67-92,4-Dimethylphenol	5600
120-83-22,4-Dichlorophenol	1600 U
120-82-11,2,4-Trichlorobenzene	1600 U
91-20-3Naphthalene	19000
106-47-84-Chloroaniline	1600 U
87-68-3Hexachlorobutadiene	1600 U
111-91-1bis (2-Chloroethoxy) met	hane 1600 U
59-50-74-Chloro-3-Methylpheno	
91-57-62-Methylnaphthalene	18000
77-47-4Hexachlorocyclopentadi	ene 1600 U
88-06-22,4,6-Trichlorophenol	
95-95-42,4,5-Trichlorophenol	3200 U
91-58-72-Chloronaphthalene	1600 U
88-74-42-Nitroaniline	3200 U
131-11-3Dimethylphthalate	1600 U
208-96-8Acenaphthylene	1600 U
606-20-22,6-Dinitrotoluene	1600 U
99-09-23-Nitroaniline	3200 U
83-32-9Acenaphthene	1600 U

#### FORM I SV-1

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

VEW-3/4 4-8' Lab Name: MITKEM CORPORATION Contract: SDG No.: MF1104 Case No.: 0289M SAS No.: Lab Code: MITKEM Lab Sample ID: F1104-01A Matrix: (soil/water) SOIL Lab File ID: S3E5487 Sample wt/vol: 30.1 (g/mL) G Date Received: 08/10/07 Level: (low/med) LOW Date Extracted:08/13/07 decanted: (Y/N) N % Moisture: 16 Date Analyzed: 08/22/07 Concentrated Extract Volume: 1000(uL) Dilution Factor: 4.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: \_ CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

51-28-5	2,4-Dinitrophenol	3200 3200	
100-02-7	4-Nitrophenol	1600	
	Dibenzofuran	1600	_
121-14-2	2,4-Dinitrotoluene	1600	
84-66-2	Diethylphthalate	1600	-
7005-72-3	4-Chlorophenyl-phenylether	200	
86-73-7	Fluorene	3200	-
100-01-6	4-Nitroaniline	3200	
534-52-1	4,6-Dinitro-2-methylphenol		-
86-30-6	N-Nitrosodiphenylamine_(1)	1600	
101-55-3	4-Bromophenyl-phenylether	1600	_
	Hexachlorobenzene	1600	-
87-86-5	Pentachlorophenol	3200	1
	Phenanthrene	170	
120-12-7	Anthracene	1600	1
86-74-8	Carbazole	1600	-
84-74-2	Di-n-butylphthalate	1400	-
206-44-0	Fluoranthene	1600	U
129-00-0	Pyrene	1600	ប
85-68-7	Butylbenzylphthalate	1600	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a) anthracene	1600	U
	Chrysene	1600	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	J
117-84-0	Di-n-octylphthalate	1600	U
205-99-2	Benzo(b) fluoranthene	1600	U
	Benzo(k) fluoranthene	1600	1
	Benzo(a)pyrene	1600	Ū
102 20.5-	Indeno(1,2,3-cd)pyrene	1600	-
	Dibenzo(a, h) anthracene	1600	1 -
101 24 2	Benzo(g,h,i)perylene	1600	-
L91-24-2	Derizo(g, II, I) per yrenc	1000	1
			. ]

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

1B

EPA SAMPLE NO.

SEMIVOLATI	LE ORGANICS ANAL	YSIS DATA	SHEET	
Lab Name: MITKEM COF	RPORATION	Contract	:	VEW-3/4
Lab Code: MITKEM	Case No.:	SAS No.	: SDG	No.: MF11
Matrix: (soil/water)	SOIL		Lab Sample ID	: F1104-02
Sample wt/vol:	30.0 (g/mL) G		Lab File ID:	S3E5448
Level: (low/med)	LOW		Date Received	: 08/10/07
% Moisture: 17	decanted: $(Y/N)$	N	Date Extracted	<b>d:</b> 08/13/07
Concentrated Extract	Volume: 1000	(uL)	Date Analyzed	: 08/20/07
Injection Volume:	1.0(uL)		Dilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:			
		00170		

£ 8-12'

L104 )2A 8 )7 17 )7

CAS NO.

COMPOUND

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

Q

		<b></b>
108-95-2Phenol	400	U
111-44-4bis(2-Chloroethyl)Ether	400	U
95-57-82-Chlorophenol	400	U
541-73-11,3-Dichlorobenzene	400	U
106-46-71,4-Dichlorobenzene	400	υ
95-50-11,2-Dichlorobenzene	400	U
95-48-72-Methylphenol	400	U
108-60-12,2'-oxybis(1-Chloropropane)	400	U
106-44-54-Methylphenol	400	U
621-64-7N-Nitroso-di-n-propylamine	400	U
67-72-1Hexachloroethane	400	U
98-95-3Nitrobenzene	400	U
78-59-1Isophorone	400	U
88-75-52-Nitrophenol	400	U
105-67-92,4-Dimethylphenol	- 400	U
120-83-22,4-Dichlorophenol	400	U
120-82-11,2,4-Trichlorobenzene	400	U.
91-20-3Naphthalene	170	J
106-47-84-Chloroaniline	400	U
87-68-3Hexachlorobutadiene	400	U
111-91-1bis(2-Chloroethoxy)methane	400	U
59-50-74-Chloro-3-Methylphenol	400	U
91-57-62-Methylnaphthalene	360	J
77-47-4Hexachlorocyclopentadiene	400	U
88-06-22,4,6-Trichlorophenol	400	U
95-95-42,4,5-Trichlorophenol	810	U
91-58-72-Chloronaphthalene	400	U
88-74-42-Nitroaniline	810	U
131-11-3Dimethylphthalate	400	U
208-96-8Acenaphthylene	400	υ
606-20-22,6-Dinitrotoluene	400	U
99-09-23-Nitroaniline	810	U
83-32-9Acenaphthene	400	U

FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

EPA SAMPLE NO.

Q

VEW-3/4 8-12' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM SAS No.: SDG No.: MF1104 Case No.: Matrix: (soil/water) SOIL Lab Sample ID: F1104-02A Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5448 Level: (low/med) LOW Date Received: 08/10/07 % Moisture: 17 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/20/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

51-28-5-----2,4-Dinitrophenol 810 U 100-02-7-----4-Nitrophenol 810 U 132-64-9-----Dibenzofuran 400 U 121-14-2----2,4-Dinitrotoluene 400 U 84-66-2----Diethylphthalate 400 U 7005-72-3-----4-Chlorophenyl-phenylether 400 U 86-73-7----Fluorene 400 U 100-01-6----4-Nitroaniline 810 U 534-52-1-----4,6-Dinitro-2-methylphenol 810 U 86-30-6-----N-Nitrosodiphenylamine (1) 400 U 101-55-3-----4-Bromophenyl-phenylether 400 U 118-74-1-----Hexachlorobenzene 400 U 87-86-5-----Pentachlorophenol 810 U 85-01-8-----Phenanthrene 400 U 400 U 120-12-7----Anthracene 400 U 86-74-8-----Carbazole 84-74-2----Di-n-butylphthalate 80 J 206-44-0----Fluoranthene 400 U 129-00-0----Pyrene 400 U 85-68-7-----Butylbenzylphthalate 400 U 91-94-1-----3,3'-Dichlorobenzidine 400 U 56-55-3-----Benzo(a)anthracene 400 U 218-01-9-----Chrysene 400 U 117-81-7-----bis(2-Ethylhexyl)phthalate 80 J 117-84-0----Di-n-octylphthalate 400 U 205-99-2-----Benzo(b) fluoranthene 400 U 207-08-9-----Benzo(k)fluoranthene 400 U 50-32-8-----Benzo(a)pyrene 400 U 193-39-5-----Indeno (1,2,3-cd) pyrene 400 U 53-70-3-----Dibenzo(a,h)anthracene 400 U

(ug/L or ug/Kg) UG/KG

(1) - Cannot be separated from Diphenylamine

191-24-2----Benzo(g,h,i) perylene

FORM I SV-2

OLM03.0

400 U

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION C	ontract:	VEW-3 8-12'
Lab Code: MITKEM	Case No.:	SAS No.: SDG	No.: MF1104
Matrix: (soil/water)	SOIL	Lab Sample ID:	F1104-17A
Sample wt/vol:	30.2 (g/mL) G	Lab File ID:	S3E5486
Level: (low/med)	LOW	Date Received:	08/10/07
% Moisture: 17	decanted: (Y/N) N	Date Extracted	d:08/13/07
Concentrated Extract	Volume: 1000(u	L) Date Analyzed:	08/22/07
Injection Volume:	1.0(uL)	Dilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:		
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/K	

108-95-2Phenol 111-44-4bis(2-Chloroethyl)Ether 95-57-82-Chlorophenol 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene	390 390 390 390 390 390	ט ט ט ט
95-48-72-Methylphenol 108-60-12,2'-oxybis(1-Chloropropane) 106-44-54-Methylphenol 621-64-7N-Nitroso-di-n-propylamine	390 390 390 390	บ บ บ
67-72-1Hexachloroethane 98-95-3Nitrobenzene 78-59-1Isophorone 88-75-52-Nitrophenol	390 390 390 390	U U U
105-67-92,4-Dimethylphenol         120-83-22,4-Dichlorophenol         120-82-12,4-Trichlorobenzene         91-20-3Naphthalene	390 390 390 420	U U
106-47-84-Chloroaniline 87-68-3Hexachlorobutadiene 111-91-1bis(2-Chloroethoxy)methane 59-50-74-Chloro-3-Methylphenol 91-57-62-Methylnaphthalene	390 390 390 390 390 580	บ บ
77-47-4Hexachlorocyclopentadiene 88-06-22,4,6-Trichlorophenol 95-95-42,4,5-Trichlorophenol 91-58-72-Chloronaphthalene	390 390 800 390	บ บ บ
88-74-42-Nitroaniline 131-11-3Dimethylphthalate 208-96-8Acenaphthylene 606-20-22,6-Dinitrotoluene	800 390 390 390	บ บ บ
99-09-23-Nitroaniline 83-32-9Acenaphthene	800 390	บ บ

### FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lah Na	me: MITKEM CORI	ORATTON	Contract		VEW-3 8-12'	
			concrace			
Lab Co	de: MITKEM (	Case No.:	SAS No.	: SDG	No.: MF1104	
Matrix	: (soil/water)	SOIL		Lab Sample ID:	F1104-17A	
Sample	wt/vol:	30.2 (g/mL) G		Lab File ID:	S3E5486	
Level:	(low/med)	LOW		Date Received:	08/10/07	
% Mois	ture: 17	decanted: (Y/N)	N	Date Extracted	l:08/13/07	
Concen	trated Extract	Volume: 1000	(uL)	Date Analyzed:	08/22/07	
Inject	ion Volume:	1.0(uL)		Dilution Facto	pr: 1.0	
GPC Cl	eanup: (Y/N)	N pH:	_		• •	
	CAS NO.	COMPOUND		NTRATION UNITS: or ug/Kg) UG/F		
		2,4-Dinitrophe	enol	· · ·	800 U 800 U	

51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	390	
101-55-3	4-Bromophenyl-phenylether	390	
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	
86-74-8	Carbazole	390	
	Di-n-butylphthalate	140	
206-44-0	Fluoranthene	390	υ.
129-00-0		390	
85-68-7	Butylbenzylphthalate	390	U
	3,3'-Dichlorobenzidine	390	U
	Benzo(a)anthracene	390	
218-01-9	Chrysene	390	
117-81-7	bis(2-Ethylhexyl)phthalate	390	
117-84-0	Di-n-octylphthalate	390	
	Benzo(b)fluoranthene	390	
	Benzo(k)fluoranthene	390	U
	Benzo(a)pyrene	390	U
	Indeno(1,2,3-cd)pyrene	390	
	Dibenzo(a,h)anthracene	390	
191-24-2	Benzo(g,h,i)perylene	390	ט
1) Compatibo	generated from Diphonylamino		

(1) - Cannot be separated from Diphenylamine

# FORM I SV-2

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

VEW-4 12-16' Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix: (soil/water) SOIL Lab Sample ID: F1104-06A Lab File ID: Sample wt/vol: 30.0 (g/mL) G S3E5475 Date Received: 08/10/07 Level: (low/med) LOW decanted: (Y/N) N Date Extracted:08/13/07 % Moisture: 18 Concentrated Extract Volume: Date Analyzed: 08/22/07 1000(uL) Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH:

CAS NO.

COMPOUND

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

Q

·····			· · · · · · · · · · · · · · · · · · ·
108-95-2	Phenol	400	U
	bis(2-Chloroethyl)Ether	400	-
95-57-8	2-Chlorophenol	400	1
	1,3-Dichlorobenzene	400	-
	1,4-Dichlorobenzene	400	-
	1,2-Dichlorobenzene	400	1
	2-Methylphenol	400	-
	2,2'-oxybis(1-Chloropropane)	400	-
	4-Methylphenol	400	-
	N-Nitroso-di-n-propylamine	400	Ū
	Hexachloroethane	400	
	Nitrobenzene	400	Ū
	Isophorone	400	
	2-Nitrophenol	400	
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	Ū
	1,2,4-Trichlorobenzene	400	
	Naphthalene	400	
	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
	bis(2-Chloroethoxy)methane	400	U
	4-Chloro-3-Methylphenol	400	υ
	2-Methylnaphthalene	400	U
	Hexachlorocyclopentadiene	400	U
	2,4,6-Trichlorophenol	400	U
	2,4,5-Trichlorophenol	820	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	820	U
131-11-3	Dimethylphthalate	400	U
	Acenapĥtĥylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
	3-Nitroaniline	820	υ
	Acenaphthene	400	U.

#### FORM I SV-1

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

VEW-4 12-16' Lab Name: MITKEM CORPORATION Contract: SAS No.: SDG No.: MF1104 Lab Code: MITKEM Case No.: Lab Sample ID: F1104-06A Matrix: (soil/water) SOIL Lab File ID: Sample wt/vol: 30.0 (g/mL) G S3E5475 Date Received: 08/10/07 Level: (low/med) LOW % Moisture: 18 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/22/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: CAS NO. (ug/L or ug/Kg) UG/KG COMPOUND Q

			· · · · · · · · · · · · · · · · · · ·
51-28-5	2,4-Dinitrophenol	820	U
100-02-7	4-Nitrophenol	820	U
132-64-9	Dibenzofuran	400	Ū
	2,4-Dinitrotoluene	400	
	Diethylphthalate	400	
	4-Chlorophenyl-phenylether	400	U
	Fluorene	400	
	4-Nitroaniline	820	U
534-52-1	4,6-Dinitro-2-methylphenol	820	U
	N-Nitrosodiphenylamine (1)	400	υ
	4-Bromophenyl-phenylether	400	U
	Hexachlorobenzene	400	U
	Pentachlorophenol	820	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
	Butylbenzylphthalate	400	U
	3,3 <sup>1</sup> -Dichlorobenzidine	400	U
	Benzo(a) anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno (1,2,3-cd) pyrene	400	ប
	Dibenzo(a,h)anthracene	400	U
	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

# FORM I SV-2

EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION	Contract:		VEW-4 4-8'
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: MF1104
Matrix: (soil/water)	SOIL	L	ab Sample ID:	F1104-04A
Sample wt/vol:	30.0 (g/mL) G	L	ab File ID:	S3E5490
Level: (low/med)	LOW	D	ate Received:	08/10/07
% Moisture: 15	decanted: $(Y/N)$	N D	ate Extracted	l:08/13/07
Concentrated Extract	Volume: 1000(	uL) D	ate Analyzed:	08/22/07
Injection Volume:	1.0(uL)	D	ilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:	-		
CAS NO.	COMPOUND		RATION UNITS: pr ug/Kg) UG/K	

		·····	1
108-95-2	Phenol	390	υ
	bis(2-Chloroethyl)Ether	390	υ
	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	
	2-Methylphenol	390	-
	2,2'-oxybis(1-Chloropropane)	390	-
	4-Methylphenol	390	[
	N-Nitroso-di-n-propylamine	390	1
	Hexachloroethane	390	1
	Nitrobenzene	390	-
		390	
	Isophorone	390	-
88-/5-5	2-Nitrophenol	140	
	2,4-Dimethylphenol	390	
120-83-2	2,4-Dichlorophenol		
	1,2,4-Trichlorobenzene	390	-
	Naphthalene	390	-
	4-Chloroaniline	390	-
	Hexachlorobutadiene	390	1
	bis(2-Chloroethoxy)methane	390	1
	4-Chloro-3-Methylphenol	390	1
	2-Methylnaphthalene	390	1 -
	Hexachlorocyclopentadiene	390	
	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	790	-
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethylphthalate	390	U
	Acenaphthylene	390	U
	2,6-Dinitrotoluene	390	U
	3-Nitroaniline	790	
	Acenaphthene	390	
			I

#### FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

VEW-4 4-8' Lab Name: MITKEM CORPORATION Contract: SAS No.: SDG No.: MF1104 Lab Code: MITKEM Case No.: Lab Sample ID: F1104-04A Matrix: (soil/water) SOIL Lab File ID: Sample wt/vol: 30.0 (q/mL) G S3E5490 Level: (1ow/med)LOW Date Received: 08/10/07 % Moisture: 15 decanted: (Y/N) N Date Extracted:08/13/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/22/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG CAS NO. COMPOUND Q

		· · · · · · · · · · · · · · · · · · ·	-
51-28-5	2,4-Dinitrophenol	790	ש
	4-Nitrophenol	790	U
	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	υ
	Diethylphthalate	390	υ
	4-Chlorophenyl-phenylether	390	υ
86-73-7		390	υ
	4-Nitroaniline	790	U
	4,6-Dinitro-2-methylphenol	790	l
	N-Nitrosodiphenylamine (1)	390	υ
	4-Bromophenyl-phenylether	390	U
	Hexachlorobenzene	390	U
	Pentachlorophenol	790	υ
	Phenanthrene	390	υ
	Anthracene	390	υ
86-74-8	Carbazole	390	υ
	Di-n-butylphthalate	390	υ
	Fluoranthene	390	U
129-00-0		390	U
85-68-7	Butylbenzylphthalate	390	υ
91-94-1	3,3 <sup>1</sup> -Dichlorobenzidine	390	U
	Benzo(a) anthracene	390	υ
218-01-9		390	U
	bis (2-Ethylhexyl) phthalate	300	J
	Di-n-octylphthalate	390	υ
205-99-2	Benzo(b)fluoranthene	58	J
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo (a) pyrene	390	U
193-39-5	Indeno (1,2,3-cd) pyrene	47	J
53-70-3	Dibenzo (a, h) anthracene	390	U
	Benzo(g, h, i) perylene	59	J
		I	

(1) - Cannot be separated from Diphenylamine

### FORM I SV-2

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

VEW-4 8-12' Lab Name: MITKEM CORPORATION Contract: SDG No.: MF1104 Lab Code: MITKEM Case No.: SAS No.: Matrix: (soil/water) SOIL Lab Sample ID: F1104-05A Lab File ID: S3E5514 Sample wt/vol: 30.0 (g/mL) G Date Received: 08/10/07 Level: (low/med) LOW Date Extracted:08/13/07 decanted: (Y/N) N % Moisture: 19 Date Analyzed: 08/23/07 Concentrated Extract Volume: 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

108-95-2	Phonol	410	TT
	bis(2-Chloroethyl)Ether	410	-
	2-Chlorophenol	410	-
		410	-
	1,3-Dichlorobenzene	410	-
	1,4-Dichlorobenzene	120	-
	1,2-Dichlorobenzene	410	-
95-48-7	2-Methylphenol	410	
108-60-1	2,2'-oxybis(1-Chloropropane)	410	-
106-44-5	4-Methylphenol		-
621-64-7	N-Nitroso-di-n-propylamine	410	1 -
	Hexachloroethane	410	-
	Nitrobenzene	410	-
	Isophorone	410	-
	2-Nitrophenol	410	1 -
	2,4-Dimethylphenol	410	1
	2,4-Dichlorophenol	410	
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	950	
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
	4-Chloro-3-Methylphenol	410	U
	2-Methylnaphthalene	600	
	Hexachlorocyclopentadiene	410	U
	2,4,6-Trichlorophenol	410	U
	2,4,5-Trichlorophenol	830	U
	2-Chloronaphthalene	410	ט
	2-Nitroaniline	830	U
	Dimethylphthalate	410	
	Acenaphthylene	410	1 -
	2,6-Dinitrotoluene	410	-
	3-Nitroaniline	830	
	Acenaphthene	410	-
03-32-9			Ĭ
		I	1

#### FORM I SV-1

1C

EPA SAMPLE NO.

8-12'

SEMIVOLATILE	ORGANICS	ANALYSIS	DATA	SHEET

Lab Name: MITKEM COR	PORATION Co	ntract:	VEW-4 8-12
Lab Code: MITKEM	Case No.: S	AS No.: SDG	No.: MF1104
Matrix: (soil/water)	SOIL	Lab Sample ID	: F1104-05A
Sample wt/vol:	30.0 (g/mL) G	Lab File ID:	S3E5514
Level: (low/med)	LOW	Date Received	: 08/10/07
% Moisture: 19	decanted: (Y/N) N	Date Extracted	d:08/13/07
Concentrated Extract	Volume: 1000(uL	) Date Analyzed	: 08/23/07
Injection Volume:	1.0(uL)	Dilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:		
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/I	•

51-28-5-----2,4-Dinitrophenol 830 U 830 U 100-02-7----4-Nitrophenol 410 U 132-64-9-----Dibenzofuran 410 U 121-14-2----2,4-Dinitrotoluene 84-66-2-----Diethylphthalate 410 U 410 U 7005-72-3-----4-Chlorophenyl-phenylether 86-73-7----Fluorene 410 U 100-01-6-----4-Nitroaniline 830 U 830 U 534-52-1-----4,6-Dinitro-2-methylphenol 86-30-6-----N-Nitrosodiphenylamine (1) 410 U 101-55-3-----4-Bromophenyl-phenylether 410 U 410 U 118-74-1-----Hexachlorobenzene 830 U 87-86-5-----Pentachlorophenol 85-01-8-----Phenanthrene 410 U 120-12-7----Anthracene 410 U 86-74-8-----Carbazole 410 U 120 J 84-74-2----Di-n-butylphthalate 206-44-0----Fluoranthene 410 U 129-00-0----Pyrene 410 U 85-68-7-----Butylbenzylphthalate 410 U 91-94-1-----3,3'-Dichlorobenzidine 410 U 410 U 56-55-3-----Benzo(a) anthracene 218-01-9-----Chrysene 410 U 117-81-7-----bis(2-Ethylhexyl)phthalate 410 U 117-84-0-----Di-n-octylphthalate 410 U 205-99-2----Benzo(b) fluoranthene 410 U 207-08-9-----Benzo(k) fluoranthene 410 U 50-32-8-----Benzo(a)pyrene 410 U 193-39-5-----Indeno (1, 2, 3-cd) pyrene 410 U 53-70-3-----Dibenzo(a,h)anthracene 410 U 191-24-2----Benzo(g,h,i)perylene 410 U

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

OLM03.0

# SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: 0289M SAS No.:

SDG No.: MF1104

Level: (low/med) LOW

						~~~		<u> </u>	S8	TOT
	EPA	S1	S2	S3	S4	S5	S6	S7		
	SAMPLE NO.	(NBZ)#	(FBP)#	(TPH) #	(PHL)#	(2FP)#	(TBP)#	#	#	OUT
	===================	======	======	=====	=====	=====	======	======	=====	===
01	SBLK3H	83	81	97	86	88	71			0
01		79	75	83	79	80	71			0
02	S3HLCS			79	70	71	60			0
03		67	66		70 64	65	60			0
04		64	62	70			57	·	<u> </u>	Ō
05		61	60	68	62	62				0
06	VEW-3/4 8-12	61	59	67	60	62	56		·	0
07		54	52	64	53	55	44		<u></u>	
08		70	69	85	69	72	61			0
09		73	72	88	68	71	60			0
		89	71	86	67	66	63			0
10	VEW-1 12-16'	70	69	80	67	72	58			0
11			70	87	68	70	53			0
12	VEW-2 4-8'	70		86	65	67	63			0
13	VEW-2 8-12'	83	72			70	58			ol
14	VEW-2 12-16'	69	70	86	66					0
15	ASW 4-8'	72	71	87	67	70	53			0
16	ASW 8-12'	78	74	90	69	72	63			
17	ASW 12-16'	65	61	78	61	62	56			0
1.8	VEW-3 4-8'	82	82	95	74	79	61			0
19	VEW-3 8-12'	80	71	86	64	64	67			0
		701D	67	78	133D	55	72			0
20	VEW-3/4 4-8'	73	71	84	64	67	62			0
21	VEW-4 4-8'		92	99	85	85	91			1
22	VEW-4 8-12'	110*	92	99	05					
23										
24										
25		-								
26										
27										
28										.
20 29				·	-					
					·					
30		1	1				. 1		1	

			QC LIMITS
S1	(NBZ)	= Nitrobenzene-d5	(35-100)
S2	(FBP)	= 2-Fluorobiphenyl	(45 - 100)
		= Terphenyl-d14	(30-125)
S4	(PHL)	= Phenol-d5	(40 - 100)
S5	(2FP)	= 2-Fluorophenol	(35-105)
S6	(TBP)	= 2,4,6-Tribromophenol	(35-125)

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

page 1 of 1

FORM II SV-2

#### SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM (	CORPORATION	Contract:			
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.:	MF1104
Matrix Spike - EPA	A Sample No.: V	EW-3 12-16' Level:(low/	med)	LOW	

	SPIKE	SAMPLE	MS	MS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	00	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
=======================================	=========		==================	======	======
Phenol	2100	0.0	1300	62	40-100
bis(2-Chloroethyl)Ether	2100	0.0	1200	57	40-105
2-Chlorophenol	2100	0.0	1400	67	45-105
1,3-Dichlorobenzene	2100	0.0	1200	57	40-100
1,4-Dichlorobenzene	2100	0.0	1200	57	35-105
1,2-Dichlorobenzene	2100	0.0	1200	57	45- 95
2-Methylphenol	2100	0.0	1300	62	40-105
2,2'-oxybis(1-Chloropro	2100	0.0	1600	76	20-115
4-Methylphenol	2100	0.0	1400	67	40-105
N-Nitroso-di-n-prop.(1)	2100	0.0	1400	67	40-115
Hexachloroethane	2100	0.0	1300	62	35-110
Nitrobenzene	2100	0.0	1300	62	40-115
Isophorone	2100	0.0	1300	62	45-110
2-Nitrophenol	2100	0.0	1400	67	40-110
2,4-Dimethylphenol	2100	0.0	1400	67	30-105
2,4-Dichlorophenol	2100	0.0	1300	62	45-110
1,2,4-Trichlorobenzene	2100	0.0	1200	57	45-110
Naphthalene	2100	0.0	1300	62	40-105
4-Chloroaniline	2100	0.0	930	44	10- 95
Hexachlorobutadiene	2100	0.0	1200	57	40-115
bis(2-Chloroethoxy)meth	2100	0.0	1200	57	45-110
4-Chloro-3-Methylphenol	2100	0.0	1400	67	45-115
2-Methylnaphthalene	2100	0.0	1300	62	45-105
Hexachlorocyclopentadie	2100	0.0	660	31	8-148
2,4,6-Trichlorophenol	2100	0.0	1300	62	45-110
2,4,5-Trichlorophenol	2100	0.0	1300	62	50-110
2-Chloronaphthalene	2100	0.0	1400	67	45-105
2-Nitroaniline	2100	0.0	1500	71	45-120
·					

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk  $\star$  Values outside of QC limits

COMMENTS:

page 1 of 6

FORM III SV-2

#### SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1104 Matrix Spike - EPA Sample No.: VEW-3 12-16' Level:(low/med) LOW

	SPIKE	SAMPLE	MS	MS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	6	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
=======================================	=========	==================	=============	======	======
Dimethylphthalate	2100	0.0	1400	67	50-110
Acenaphthylene	2100	0.0	1400	67	45-105
2,6-Dinitrotoluene	2100	0.0	1400	67	50-110
3-Nitroaniline	2100	0.0	860	41	25-110
Acenaphthene	2100	0.0	1400	67	45-110
2,4-Dinitrophenol	2100	0.0	210	10*	15-130
4-Nitrophenol	2100	0.0	1500	71	15-140
Dibenzofuran	2100	0.0	1400	67	50-105
2,4-Dinitrotoluene	2100	0.0	1400	67	50-115
Diethylphthalate	2100	0.0	1500	71	50-115
4-Chlorophenyl-phenylet	2100	0.0	1300	62	45-110
Fluorene	2100	0.0	1400	67	50-110
4-Nitroaniline	2100	0.0	1000	48	35-115
4,6-Dinitro-2-methylphe	2100	0.0	650	31	30-135
N-Nitrosodiphenylamine	2100	0.0	1500	71	50-115
4-Bromophenyl-phenyleth	2100	0.0	1300	62	45-115
Hexachlorobenzene	2100	0.0	1300	62	45-120
Pentachlorophenol	2100	0.0	1100	52	25-120
Phenanthrene	2100	0.0	1600	76	50-110
Anthracene	2100	0.0	1600	76	55-105
Carbazole	2100	0.0	1600	76	45-115
Di-n-butylphthalate	2100	0.0	1700	81	55-110
Fluoranthene	2100	0.0	1600	76	55-115
Pyrene	2100	0.0	1600	76	45-125
Butylbenzylphthalate	2100	0.0	1500	71	50-125
3,3'-Dichlorobenzidine	2100	0.0	1400	67	10-130
Benzo(a)anthracene	2100	0.0	1500	71	50-110
Chrysene	2100	0.0	1600	76	55-110

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk  $\star$  Values outside of QC limits

COMMENTS:

page 2 of 6

FORM III SV-2

#### SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab I	Name:	MITKE	M CO	ORPORATION		Contra	ct:			
Lab (	Code:	MITKE	М	Case No.:		SAS No	0.:	SDG	No.:	MF1104
Matr	ix Spi	ike -	EPA	Sample No.:	VEW-3	12-16'	Level: (low/	med)	LOW	

	SPIKE	SAMPLE	MS	MS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	00	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
	========	=============	============	=====	======
bis(2-Ethylhexyl)phthal	2100	0.0	1700	81	45-125
Di-n-octylphthalate	2100	0.0	1700	81	40-130
Benzo(b)fluoranthene	2100	0.0	1600	76	45-115
Benzo(k)fluoranthene	2100	0.0	1600	76	45-125
Benzo(a)pyrene	2100	0.0	1500	71	50-110
Indeno(1,2,3-cd)pyrene	2100	0.0	1500	71	40-120
Dibenzo(a,h)anthracene	2100	0.0	1500	71	40-125
Benzo(g,h,i)perylene	2100	0.0	1400	67	40-125

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk  $\star$  Values outside of QC limits

COMMENTS:

page 3 of 6

FORM III SV-2

OLM03.0

# SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - EPA Sample No.: VEW-3 12-16' Level: (low/med) LOW

· · · · · · · · · · · · · · · · · · ·	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	olo	010		IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD #	RPD	REC.
=======================================	========	=================		=====	=====	======
Phenol	2200	1300	59	5	40	40-100
bis(2-Chloroethyl)Ether	2200	1200	54	5	40	40-105
2-Chlorophenol	2200	1300	59	13	40	45-105
1,3-Dichlorobenzene	2200	1200	54	5	40	40-100
1,4-Dichlorobenzene	2200	1200	54	5	40	35-105
1,2-Dichlorobenzene	2200	1200	54	5	40	45- 95
2-Methylphenol	2200	1300	59	5	40	40-105
2,2'-oxybis(1-Chloropro	2200	1600	73	4	40	20-115
4-Methylphenol	2200	1300	59	13	40	40-105
N-Nitroso-di-n-prop.(1)	2200	1400	64	4	40	40-115
Hexachloroethane	2200	1300	59	5	40	35-110
Nitrobenzene	2200	1300	59	5	40	40-115
Isophorone	2200	1200	54	14	40	45-110
2-Nitrophenol	2200	1200	54	21	40	40-110
2,4-Dimethylphenol	2200	1400	64	4	40	30-105
2,4-Dichlorophenol	2200	1300	59	5	40	45-110
1,2,4-Trichlorobenzene	2200	1200	54	5	40	45-110
Naphthalene	2200	1300	59	5	40	40-105
4-Chloroaniline	2200	1000	45	2	40	10- 95
Hexachlorobutadiene	2200	1100	50	13	40	40-115
bis(2-Chloroethoxy)meth	2200	1200	54	5	40	45-110
4-Chloro-3-Methylphenol	2200	1400	64	4	40	45-115
2-Methylnaphthalene	2200	1300	59	5	40	45-105
Hexachlorocyclopentadie	2200	650	30	3	40	8-148
2,4,6-Trichlorophenol	2200	1300	59	5	40	45-110
2,4,5-Trichlorophenol	2200	1300	59	5	40	50-110
2-Chloronaphthalene	2200	1300	59	13	40	45-105
2-Nitroaniline	2200	1500	68	4	40	45-120

(1) N-Nitroso-di-n-propylamine

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

COMMENTS:

page 4 of 6

FORM III SV-2

# SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - EPA Sample No.: VEW-3 12-16' Level: (low/med) LOW

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	8	or	QC L	IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC #	RPD #	RPD	REC.
==============================	=========	=============	======	======		======
Dimethylphthalate	2200	1400	64	4	40	50-110
Acenaphthylene	2200	1400	64	4	40	45-105
2,6-Dinitrotoluene	2200	1400	64	4	40	50-110
3-Nitroaniline	2200	1100	50	20	40	25-110
Acenaphthene	2200	1300	59	13	40	45-110
2,4-Dinitrophenol	2200	91	4*	86*	40	15-130
4-Nitrophenol	2200	1700	77	8	40	15-140
Dibenzofuran	2200	1400	64	4	40	50-105
2,4-Dinitrotoluene	2200	1400	64	4	40	50-115
Diethylphthalate	2200	1400	64	10	40	50-115
4-Chlorophenyl-phenylet	2200	1300	59	5	40	45-110
Fluorene	2200	1400	64	4	40	50-110
4-Nitroaniline	2200	1100	50	4	40	35-115
4,6-Dinitro-2-methylphe	2200	350	16*	64*	40	30-135
N-Nitrosodiphenylamine	2200	1400	64	10	40	50-115
4-Bromophenyl-phenyleth	2200	1300	59	5	40	45-115
Hexachlorobenzene	2200	1200	54	14	40	45-120
Pentachlorophenol	2200	800	36	36	40	25-120
Phenanthrene	2200	1500	68	11	40	50-110
Anthracene	2200	1500	68	11	40	55-105
Carbazole	2200	1600	73	4	40	45-115
Di-n-butylphthalate	2200	1700	77	5	40	55-110
Fluoranthene	2200	1600	73	4	40	55-115
Pyrene	2200	1600	73	4	40	45-125
Butylbenzylphthalate	2200	1500	68	4	40	50-125
3,3'-Dichlorobenzidine	2200	1800	82	20	40	10-130
Benzo(a)anthracene	2200	1500	68	4	40	50-110
Chrysene	2200	1500	68	11	40	55-110

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk  $\star$  Values outside of QC limits

COMMENTS:

page 5 of 6

FORM III SV-2

#### SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	: MITKEM C	ORPORATION	Contract:			
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG	No.:	MF1104
Matrix Sp	oike – EPA	Sample No.:	VEW-3 12-16' Level: (low/	med)	LOW	

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LI RPD	IMITS REC.
bis(2-Ethylhexyl)phthal	2200	1700	=== <b>=</b> = 77	======	====== 40	45-125
Di-n-octylphthalate	2200	1600	73	10	40	40-130
Benzo (b) fluoranthene	2200	1400	64	17	40	45-115
Benzo(k)fluoranthene	2200	1600	73	· 4	40	45-125
Benzo(a)pyrene	2200	1400	64	10	40	50-110
Indeno (1,2,3-cd) pyrene	2200	1400	64	10	40	40-120
Dibenzo(a,h)anthracene	2200	1400	64	10	40	40-125
Benzo(g,h,i)perylene	2200	1400	64	4	40	40-125

(1) N-Nitroso-di-n-propylamine

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

RPD: 2 out of 64 outside limits Spike Recovery: 3 out of 128 outside limits

COMMENTS:

page 6 of 6

FORM III SV-2

FORM 3

#### SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name:	MITKEM CORPO	DRATION	Contract	2:			
Lab Code:	MITKEM Ca	ase No.:	SAS No.	: 5	SDG	No.:	MF1104
Matrix Spi	ike – Sample	NO.: S3HLCS	I	evel:(low/me	ed)	LOW	

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	8	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
=======================================	========	==================	==================	======	=====
Phenol	1700		1300	76	40-100
bis(2-Chloroethyl)Ether	1700		1200	70	40-105
2-Chlorophenol	1700		1300	76	45-105
1,3-Dichlorobenzene	1700		1200	70	40-100
1,4-Dichlorobenzene	1700		1200	70	35-105
1,2-Dichlorobenzene	1700		1200	70	45- 95
2-Methylphenol	1700		1200	70	40-105
2,2'-oxybis(1-Chloropro	1700		1600	94	20-115
4-Methylphenol	1700		1300	76	40-105
N-Nitroso-di-n-prop.(1)	1700		1300	76	40-115
Hexachloroethane	1700		1300	76	35-110
Nitrobenzene	1700		1300	76	40-115
Isophorone	1700		1200	70	45-110
2-Nitrophenol	1700		1200	70	40-110
2,4-Dimethylphenol	1700		790	46	30-105
2,4-Dichlorophenol	1700		1200	70	45-110
1,2,4-Trichlorobenzene	1700		1200	70	45-110
Naphthalene	1700	·	1300	76	40-105
4-Chloroaniline	1700		930	55	10- 95
Hexachlorobutadiene	1700		1100	65	40-115
bis(2-Chloroethoxy)meth	1700		1200	70	45-110
4-Chloro-3-Methylphenol	1700		1300	76	45-115
2-Methylnaphthalene	1700		1300	76	45-105
Hexachlorocyclopentadie	1700		940	55	8-148
2,4,6-Trichlorophenol	1700		1200	70	45-110
2,4,5-Trichlorophenol	1700		1200	70	50-110
2-Chloronaphthalene	1700		1300	76	45-105
2-Nitroaniline	1700		1400	82	45-120

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk  $\star$  Values outside of QC limits

COMMENTS:

page 1 of 3

FORM III SV

#### FORM 3 SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: Matrix Spike - Sample No.: S3HLCS Leve

AS No.: SDG No.: MF1104

Level:(low/med) LOW

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	ିଚ	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
=======================================			==================	======	======
Dimethylphthalate	1700		1400	82	50-110
Acenaphthylene	1700	х.	1300	76	45-105
2,6-Dinitrotoluene	1700		1300	76	50-110
3-Nitroaniline	1700		1000	59	25-110
Acenaphthene	1700		1300	76	45-110
2,4-Dinitrophenol	1700		480	28	15-130
4-Nitrophenol	1700		1500	88	15-140
Dibenzofuran	1700		1400	82	50-105
2,4-Dinitrotoluene	1700		1400	82	50-115
Diethylphthalate	1700		1400	82	50-115
4-Chlorophenyl-phenylet	1700		1200	70	45-110
Fluorene	1700		1400	82	50-110
4-Nitroaniline	1700		900	53	35-115
4,6-Dinitro-2-methylphe	1700		930	55	30-135
N-Nitrosodiphenylamine	1700		1300	76	50-115
4-Bromophenyl-phenyleth	1700		1200	70	45-115
Hexachlorobenzene	1700		1200	70	45-120
Pentachlorophenol	1700		620	36	25-120
Phenanthrene	1700		1500	88	50-110
Anthracene	1700		1400	82	55-105
Carbazole	1700		1500	88	45-115
Di-n-butylphthalate	1700		1600	94	55-110
Fluoranthene	1700		1500	88	55-115
Pyrene	1700		1500	88	45-125
Butylbenzylphthalate	1700		1400	82	50-125
3,3 <sup>-</sup> Dichlorobenzidine	1700		1400	82	10-130
Benzo(a)anthracene	1700		1500	88	50-110
Chrysene	1700		1400	82	55-110
с					

(1) N-Nitroso-di-n-propylamine

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

COMMENTS:

page 2 of 3

FORM III SV

FORM 3 SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATIONContract:Lab Code: MITKEMCase No.:SAS No.:SDG No.: MF1104Matrix Spike - Sample No.:S3HLCSLevel:(low/med) LOW

COMPOUND	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
bis (2-Ethylhexyl) phthal Di-n-octylphthalate Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (a) pyrene Indeno (1,2,3-cd) pyrene Dibenzo (a,h) anthracene Benzo (g,h,i) perylene	1700 1700 1700 1700 1700 1700 1700 1700		$\begin{array}{c} 1600\\ 1600\\ 1500\\ 1400\\ 1400\\ 1400\\ 1400\\ 1400\\ 1400\\ 1400\\ 1400\\ 1400\end{array}$	94 94 88 82 82 82 82 82 82	$\begin{array}{c} 45 - 125 \\ 40 - 130 \\ 45 - 115 \\ 45 - 125 \\ 50 - 110 \\ 40 - 120 \\ 40 - 125 \\ 40 - 125 \end{array}$

(1) N-Nitroso-di-n-propylamine

# 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 64 outside limits

COMMENTS:

page 3 of 3

FORM III SV

SEMIVOLATILE METHOD BLANK SUMMARY

4B

SBLK3H

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: 0289M SAS No.: SDG No.: MF1104 Lab Sample ID: MB-31658 Lab File ID: S3E5442 Date Extracted: 08/13/07 Instrument ID: S3 Date Analyzed: 08/20/07 Matrix: (soil/water) SOIL Time Analyzed: 1717 Level: (low/med) LOW

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

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	=======================================		 S3E5443	08/20/07
01	S3HLCS	LCS-31658		
02	VEW-3 12-16'	F1104-18A	S3E5444	08/20/07
03	VEW-3 12-16'	F1104-18AMS	S3E5445	08/20/07
04	VEW-3 12-16'	F1104-18AMSD	S3E5446	08/20/07
05	VEW-3/4 8-12	F1104-02A	S3E5448	08/20/07
06	VEW-3/4 12-1	F1104-03A	S3E5474	08/22/07
07	VEW-4 12-16'	F1104-06A	S3E5475	08/22/07
- ·		F1104-07A	S3E5476	08/22/07
08	VEW-1 4-8'		S3E5477	08/22/07
09		F1104-08A		
	VEW-1 12-16'		S3E5478	08/22/07
11	VEW-2 4-8'	F1104-10A	S3E5479	08/22/07
12	VEW-2 8-12'	F1104-11A	S3E5480	08/22/07
13	VEW-2 12-16'	F1104-12A	S3E5481	08/22/07
14	ASW 4-8'	F1104-13A	S3E5482	08/22/07
15	ASW 8-12'	F1104-14A	S3E5483	08/22/07
		F1104-15A	S3E5484	08/22/07
16	ASW 12-16'		S3E5485	08/22/07
17	VEW-3 4-8'	F1104-16A		08/22/07
18	VEW-3 8-12'	F1104-17A	S3E5486	
19	VEW-3/4 4-8'	F1104-01A	S3E5487	08/22/07
20	VEW-4 4-8'	F1104-04A	S3E5490	08/22/07
21	VEW-4 8-12'	F1104-05A	S3E5514	08/23/07
22				
23				
24				
25				
26				
27				
28				
29				
30				

#### COMMENTS:

page 1 of 1

FORM IV SV

EPA SAMPLE NO.

	SEMIVOLATI	LE ORGANICS ANAL	YSIS DATA	SHEET	
					SBLK3H
Lab N	ame: MITKEM COF	PORATION	Contract:		I
Lab C	ode: MITKEM	Case No.: 0289M	SAS No.:	SDG	No.: MF1104
Matri	x: (soil/water)	SOIL		Lab Sample ID:	: MB-31658
Sampl	e wt/vol:	30.0 (g/mL) G	:	Lab File ID:	S3E5442
Level	: (low/med)	LOW		Date Received:	
% Moi	sture: 0	decanted: (Y/N)	N	Date Extracted	1:08/13/07
Conce	ntrated Extract	Volume: 1000	)(uL)	Date Analyzed:	: 08/20/07
Injec	tion Volume:	1.0(uL)	:	Dilution Facto	or: 1.0
GPC C	leanup: (Y/N)	N pH:			
	10010p. (1/1/)				
		COMPOUND		TRATION UNITS: or ug/Kg) UG/H	
	CAS NO.	COMPOUND	(49/11	01 49/19/ 00/1	
					220 11
	108-95-2	Phenol bis(2-Chloroe	thyl) Fther		330 U 330 U
		2-Chlorophenc			330 U
		1,3-Dichlorob			330 U
		1,4-Dichlorob			330 U
		1,2-Dichlorob			330 U
	95-48-7	2-Methylphenc	)l		330 U
		2,2'-oxybis(1		pane)	330 U
	106-44-5	4-Methylphenc	ol		330 U
	621-64-7	N-Nitroso-di-	-n-propylam	ine	330 U
		Hexachloroeth	nane		330 U
		Nitrobenzene_			330 U
		Isophorone			330 U
	88-75-5	2-Nitrophenol	L		330 U 330 U
	105-67-9	2,4-Dimethylp 2,4-Dichlorop	phenol		330 U
		1,2,4-Trichlo	robenzene		330 U
		Naphthalene			330 U
		4-Chloroanili	ne		330 U
		Hexachlorobut			330 U
	111-91-1	bis(2-Chloroe	ethoxy)meth	ane	330 U
	59-50-7	4-Chloro-3-Me	ethylphenol	·	330 U
	91-57-6	2-Methylnapht	halene		330 U
		Hexachlorocyc		ne	330 U
		2,4,6-Trichlo			330 U 670 U
		2,4,5-Trichlo			330 U
		2-Nitroanilir			670 U
		Dimethylphtha			330 U
		Acenaphthyler			330 U
	606-20-2	2,6-Dinitroto	oluene		330 U
	99-09-2	3-Nitroanilir	ne		670 U
	83-32-9	Acenaphthene_			330 U

FORM I SV-1

#### 1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK3H Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: 0289M SAS No.: SDG No.: MF1104 Lab Sample ID: MB-31658 Matrix: (soil/water) SOIL 30.0 (g/mL) G Lab File ID: S3E5442 Sample wt/vol: Date Received: Level: (low/med) LOW decanted: (Y/N) N Date Extracted:08/13/07 % Moisture: 0 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/20/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q CAS NO. COMPOUND

		I
51-28-52,4-Dinitrophenol	670	υ
100-02-74-Nitrophenol	670	Ū
132-64-9Dibenzofuran	330	
121-14-22,4-Dinitrotoluene	330	
	330	
84-66-2Diethylphthalate	330	-
7005-72-34-Chlorophenyl-phenylether	330	
86-73-7Fluorene		U U
100-01-64-Nitroaniline	670	-
534-52-14,6-Dinitro-2-methylphenol	670	<u>U</u>
86-30-6N-Nitrosodiphenylamine_(1)	330	ប
101-55-34-Bromophenyl-phenylether	330	
118-74-1Hexachlorobenzene	330	υ
87-86-5Pentachlorophenol	670	U
85-01-8Phenanthrene	330	U
120-12-7Anthracene	330	U
86-74-8Carbazole	330	υ
84-74-2Di-n-butylphthalate	330	υ
206-44-0Fluoranthene	330	U
129-00-0Pyrene	330	Ū
85-68-7Butylbenzylphthalate	330	_
91-94-13,3'-Dichlorobenzidine	330	-
56-55-3Benzo (a) anthracene	330	-
	330	-
218-01-9Chrysene	330	-
117-81-7bis(2-Ethylhexyl)phthalate		
117-84-0Di-n-octylphthalate	330	-
205-99-2Benzo(b)fluoranthene	330	
207-08-9Benzo(k)fluoranthene	330	1
50-32-8Benzo(a)pyrene	330	1
193-39-5Indeno(1,2,3-cd)pyrene	330	1 -
53-70-3Dibenzo(a,h)anthracene	330	-
191-24-2Benzo(g,h,i)perylene	330	U
	1	

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2



# \* Wet Chemistry \*

Date: 20-Aug-07

Client: Earth Tech Client Sample ID: VEW-3/4 4-8' Lab ID: F1104-01

Project:Korkay IncCollection Date:08/09/07 9:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion		E415_LK_T	OC_S	
Organic Carbon, Total	1300	100 mg/Kg	1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

**Date:** 20-Aug-07

Client: Earth Tech Client Sample ID: VEW-3/4 8-12' Lab ID: F1104-02

Project:Korkay IncCollection Date:08/09/07 9:05

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID	
TOTAL ORGANIC CARBON by Combustion	E415 LK TOC S				
Organic Carbon, Total	1100	100 mg/Kg	1 08/16/2007 9:55	31741	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limitsB - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

 Client:
 Earth Tech

 Client Sample ID:
 VEW-3/4 12-16'

 Lab ID:
 F1104-03

Date: 20-Aug-07

Project:Korkay IncCollection Date:08/09/07 9:10

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion		E415_LK_T	oc_s	
Organic Carbon, Total	3000	100 mg/Kg	1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

**Date:** 20-Aug-07

Client: Earth Tech Client Sample ID: VEW-4 4-8' Lab ID: F1104-04

Project:Korkay IncCollection Date:08/09/07 9:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion Organic Carbon, Total	14000	<b>E415_LK_T</b> 100 mg/Kg	OC_S 1 08/16/2007 9:55	31741

Qualifiers:

ers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

#### Client: Earth Tech Client Sample ID: VEW-4 8-12' Project: Korkay Inc Lab ID: F1104-05 **Collection Date:** 08/09/07 9:10 **Result Qual RL** Units Analyses **DF** Date Analyzed **Batch ID** E415\_LK\_TOC\_S **TOTAL ORGANIC CARBON by Combustion** 1100 Organic Carbon, Total 100 mg/Kg 1 08/16/2007 9:55 31741

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

Date: 20-Aug-07

## **Mitkem Corporation**

Client: Earth Tech Client Sample ID: VEW-4 12-16' Lab ID: F1104-06 **Date:** 20-Aug-07

Project:Korkay IncCollection Date:08/09/07 9:15

Analyses	Result Qual	<b>RL</b> Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion		E415_LK_T	oc_s	
Organic Carbon, Total	440	100 mg/Kg	1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Date: 20-Aug-07

Client: Earth Tech Client Sample ID: VEW-1 4-8' Lab ID: F1104-07

Project:Korkay IncCollection Date:08/09/07 10:10

Analyses	Result Qual	<b>RL</b> Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion	E415_LK_TOC_S			
Organic Carbon, Total	890	100 mg/Kg	1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

- J Analyte detected below quanititation limits
- B Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

**Date:** 20-Aug-07

#### Client: Earth Tech Client Sample ID: VEW-1 8-12' Lab ID: F1104-08

# Project:Korkay IncCollection Date:08/09/07 10:15

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion Organic Carbon, Total	690	<b>E415_LK_T</b>	OC_S 1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Date: 20-Aug-07

 Client:
 Earth Tech

 Client Sample ID:
 VEW-1 12-16'
 Project:
 Korkay Inc

 Lab ID:
 F1104-09
 Collection Date:
 08/09/07 10:20

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion		E415_LK_T	oc_s	
Organic Carbon, Total	880	100 mg/Kg	1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

- E Value above quantitation range
- RL Reporting Limit

Date: 20-Aug-07

Client: Earth Tech Client Sample ID: VEW-2 4-8' Lab ID: F1104-10

Project:Korkay IncCollection Date:08/09/07 11:10

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion	E415_LK_TOC_S			
Organic Carbon, Total	1500	100 mg/Kg	1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

**Date:** 20-Aug-07

Client: Earth Tech Client Sample ID: VEW-2 8-12' Lab ID: F1104-11

Project:Korkay IncCollection Date:08/09/07 11:15

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion Organic Carbon, Total	640	<b>E415_LK_T</b> 100 mg/Kg	OC_S 1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Mitkem Corp	oration		Date:	20-Aug-07		
Client:	Earth Tech				······································	
Client Sample ID:	VEW-2 12-16'		Project:	Korkay Inc	н	
Lab ID:	F1104-12	Collecti	on Date:	08/09/07 1	1:20	
Analyses		Result Qual	RL U	Inits	DF Date Analyzed	Batch ID
TOTAL ORGANIC C Organic Carbon, Total	CARBON by Combustion	1000	<b>E4</b> 1 100 m	15_LK_TOC <sup>Ig/Kg</sup>	<b>S_S</b> 1 08/16/2007 9:55	31741

#### ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

Qualifiers:

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Client Sample ID: ASW 4-8'

Client: Earth Tech

Lab ID: F1104-13

\_\_\_\_\_

**Date:** 20-Aug-07

# Project:Korkay IncCollection Date:08/09/07 10:35

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion	E415_LK_TOC_S			
Organic Carbon, Total	820	100 mg/Kg	1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

- J Analyte detected below quanititation limits
- B Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Date: 20-Aug-07

Client: Earth Tech Client Sample ID: ASW 8-12' Lab ID: F1104-14

Project:Korkay IncCollection Date:08/09/07 10:40

Result Qual	RL Units	DF Date Analyzed	Batch ID
550			31741
	Result Qual	E415_LK_T	E415_LK_TOC_S

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Date: 20-Aug-07

Client: Earth Tech Client Sample ID: ASW 12-16' Lab ID: F1104-15

Project:Korkay IncCollection Date:08/09/07 10:45

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion		E415_LK_T		
Organic Carbon, Total	560	100 mg/Kg	1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Mitkem Corporation	Date	: 20-Aug-	-07	
Client: Earth Tech				
Client Sample ID: VEW-3 4-8'	Project	: Korkay	Inc	
Lab ID: F1104-16	Collection Date	: 08/09/01	7 11:10	
Analyses	Result Qual RL	Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion	E	415_LK_T	TOC_S	

660

100 mg/Kg

1 08/16/2007 9:55

31741

TOTAL ORGANIC CARBON by Combustion Organic Carbon, Total

. .

 $\sim$ 

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Date: 20-Aug-07

 Client:
 Earth Tech

 Client Sample ID:
 VEW-3 8-12'
 Project:
 Korkay Inc

 Lab ID:
 F1104-17
 Collection Date:
 08/09/07 11:15

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion		E415_LK_T	oc_s	
Organic Carbon, Total	670	100 mg/Kg	1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

**Date:** 20-Aug-07

 Client:
 Earth Tech

 Client Sample ID:
 VEW-3 12-16'

 Lab ID:
 F1104-18

Project:Korkay IncCollection Date:08/09/07 11:20

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion Organic Carbon, Total	850	<b>E415_LK_T</b> 100 mg/Kg	OC_S 1 08/16/2007 9:55	31741

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

CLIENT:       Earth Tech         Work Order:       F1104         Work Order:       F1104         Project:       Korkay Inc         Rample ID:       MB-31741         Sample ID:       MB-31741         Sample ID:       MB-31741         Client ID:       MB-31741         Analyte       Result         Organic Carbon, Total       ND         Sample ID:       LCS-31741         Sample ID:       MB-31741         Batch ID:       31741         Organic Carbon, Total       ND         Sample ID:       LCS-31741         Dient ID:       LCS-31741						0
Korkay Inc         NB-31741       SampType: MBLK         MB-31741       Batch ID: 31741         R       Batch ID: 31741         R       SampType: LCS-31741         SampType: LCS-31741       Batch ID: 31741				ANALYTICAI	ANALYTICAL QC SUMMARY REPORT	EPORT
e ID: MB-31741 SampType: MBLK D: MB-31741 Batch ID: 31741 R Carbon, Total Carbon, Total SampType: LCS D: LCS-31741 Batch ID: 31741				TestCode:	E415_LK_TOC_S	
R Carbon, Total e ID: LCS-31741 SampType: LCS D: LCS-31741 Batch ID: 31741		:415_LK_TOC_S ng/Kg	Prep Date: 8/16/2007 Analysis Date: 8/16/2007		Run ID: TOC1_070816A SeqNo: 678813	
SampType: LCS Batch ID: 31741		PQL SPK value 100	SPK Ref Val	SPK Ref Val %REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit Qual	mit Qual
	<del></del>	:415_LK_TOC_S 1g/Kg	Prep Date: <b>8/16/2007</b> Analysis Date: <b>8/16/2007</b>		Run ID: TOC1_070816A SeqNo: 678814	
Analyte Result PQL		PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit Qual	mit Qual
Organic Carbon, Total 100 100	1079	100 1000	0	108 80 120	0	

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

71.96)

Qualifiers:

J - Analyte detected below quantitation limits

# Last Page of Data Report

APPENDIX C Biological Laboratory Results



2340 Stock Creek Blvd. Rockford TN 37853-3044 Phone: (865) 573-8188 Fax: (865) 573-8133 Email: info@microbe.com

# **DNA Analysis Report**

Client:	Scott Underhill Earth Tech, Inc. 40 British Americ Latham, NY 121		Phone: Fax:	(518) 951-2200
MI Identifie	er: 043EH	Date Rec: 08/10/2007	Rep	ort Date: 08/20/2007
Client Proj	ject #: 99165	Client Proje	ect Name: Ko	rkay
Purchase	Order #:			
Analysis F	Requested:	CENSUS		
Comments	<b>3</b> :			
Control Act (4	0 CFR part 790). All s	were analyzed under U.S. EPA Good I amples were processed according to st assurance requirements established b	andard operating	procedures. Test results submitted

**Reported By:** 

anita Biernacki

**Reviewed By:** 

Dora M Cglis

NOTICE: This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation. 2340 Stock Creek Blvd. Rockford, TN 37853-3044 Tel: (865) 573-8188; Fax: (865) 573-8133

## **Q** Potential (DNA)

Client: Project:	<b>Earth Tech, Inc.</b> Korkay				<b>MI Project Number:</b> Date Received:	<b>043EH</b> 08/10/2007	
Sample Infor	mation						
Client Sa	ample ID:		ASW 8-12'	VEW-1 8-12'	VEW-3 8-12'	VEW-4 8-12'	Korkay ASW
Sample [	Date:		08/09/2007	08/09/2007	08/09/2007	08/09/2007	08/14/2007
Units:			cells/g	cells/g	cells/g	cells/g	cells/mL
Functional G	enes						
Soluble N	Methane Monooxygenase	sMMO	<1.02E+03	<9.97E+02	<1.34E+03	2.66E+02 (J)	<9.66E-01
Phylogenetic	c Group						
Eubacter	ia	EBAC	2.28E+06	3.94E+06	1.83E+06	1.52E+07	6.31E+04
Methanot	trophs (total)	MOB	2.99E+01 (J)	1.32E+04	3.28E+00 (J)	2.66E+04	<9.66E-01
Type	I MOB	MOBI	2.33E+01 (J)	1.14E+04	3.1E+00 (J)	1.8E+04	<9.66E-01
Type		MOBII	6.64E+00 (J)	1.78E+03	1.83E-01 (J)	8.53E+03	<9.66E-01

< = Result not detected

#### Notes:

1 Bio-Dechlor Census technology was developed by Dr. Loeffler and colleagues at Georgia Institute of Technology and was licensed for use through Regenesis.

2340 Stock Creek Blvd. Rockford, TN 37853-3044 Tel: (865) 573-8188; Fax: (865) 573-8133

## **Q** Potential (DNA)

Client: Project:	<b>Earth Tech, Inc</b> . Korkay				<b>MI Project Number:</b> Date Received:	<b>043EH</b> 08/10/2007
Sample Infor	mation					
Client Sa	ample ID:		Korkay VEW 1	Korkay VEW 4	Korkay K-2	
Sample [	Date:		08/14/2007	08/14/2007	08/14/2007	
Units:			cells/mL	cells/mL	cells/mL	
Functional G	ienes					
Soluble N	Methane Monooxygenase	sMMO	<1.14E+00	<1.45E+00	1.26E+03	
Phylogenetic	c Group					
Eubacter	ia	EBAC	2.93E+06	1.02E+06	6.6E+06	
Methanot	trophs (total)	MOB	<1.14E+00	2.87E-01 (J)	2.48E+04	
Туре	I MOB	MOBI	<1.14E+00	2.87E-01 (J)	1.43E+04	
Туре	II MOB	MOBII	<1.14E+00	<1.45E+00	1.05E+04	
Legend:						
NA = Not Analy	, i	J = Estimate	ed gene copies below	PQL but above LQL	I = Inhibited	
	นธเธงเชน					
Notes:						

1 Bio-Dechlor Census technology was developed by Dr. Loeffler and colleagues at Georgia Institute of Technology and was licensed for use through Regenesis.

MILPOBLAL ENSIGHES CHAIN OF CLISTONY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax (908) 789-8922	Mountainside, NJ 0 Fax (908) 789-8922	, NJ 07092 -8922		CHEMTECH PROJECT NO.	T NO.
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CITY: LATHAM	STATE: MI ZIP: 12/10	PROJECT MANAGER:	Scott	CANDERHILL	CITY:	<u>م</u> ۲	STATE: ZIP:
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1.043 CH 1 ASW	8-12'	Sold X S	8/9/07 1040 1	× × ×			
2. 2 VEW-1	8-12'		1 1015 1				
3. 3 VEW-3	8-12'		1115 1				
4. N VEW-4	8-12'	$\rightarrow$	V 0910 1	${2}$			
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WHITE - SULEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Revision 4/2005

# REPORT TO:

REPORT TO:		INVOIO
Reports will be provi	Reports will be provided to the contact(s) listed below. Parties other than the contact(s) listed	For Invo
below will require prior approval.	or approval.	correspo
Name:	Scott Under hill	Name:
Company:	Earth Tech North Rast	Compar
Address:	40 British An. Blud.	Addres
	Lathary NY 12110	
email:	Scott, under hill & centh tech.com	email:
Phone:	(518) 951-2200	Phone:
Fax:	() 951-2300	Fах:
Project Manager:	Scott Underhill	Purchas
Project Name:	Kerkey , INC	Subcon
Project No.:	9162	
Report Type:	🗡 Standard (default) 🛛 🗆 Comprehensive (15% surcharge)	
Please contact us pr	Please contact us prior to submitting samples regarding questions about the analyses you are requesting at (865) 573	ıt (865) 573

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e Name	ASW	VEWI	VEW U	K-2							ul f	
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MI ID ratory Use Only)	EH S	8	<b>. 1</b>	8							ished by: De	
	S Sample Name Date Sampl Matrix Matrix VFA	Sample Name Sample Name Kor Kou, ASLU & Matrix PLFA	ID     Sample Name     Date Sample       Viso Only     Sample Name     Date Sample       F     Kow Kou,     A SLU     B/M/07     1030     GLU       K     Kow Kou,     Y E LU     B/M/07     1030     GLU	ID     Sample Name       F     Kor Kau, ASLU       Kor Kau, VELU       Kor Kau, VELU       Kor Kau, VELU	B     Sample Name       5     Kor Kau, ASLU       6     Maine       7     Kor Kau, ASLU       8     Kor Kau, ASLU       8     Kor Kau, VELU       9     Kor Kau, VELU       8     Kor Kau, VELU       9     Kor Kau, VELU       1000     1000       1300     1000	Bander Kant     Bander Sample       5     Kor Kant     ASLU       6     Kor Kant     ASLU       7     Kor Kant     ASLU       8     Kor Kant     VELU       8     Kor Kant     VELU       9     Kor Kant     VELU       1130     1130	Bit     Sample Name       Vie Oaly     Sample Name       5     Kor Kauj       7     Kor Kauj       8     Kor Kauj       8     Kor Kauj       1000     1000       1     1000       1     1       8     Kor Kauj       8     Kor Kauj	Sample Name Sample Name Sample Name Sample Name Sample Name Sample Name Sample Name Sample Sample Sample Sample Sample Sample Sample Sample Sample Sa	Sample Name       Same       Same       Sam	Bander Konty     Sample Name       5     Kor Kauty     ASLU       6     Kor Kauty     ASLU       7     Kor Kauty     ASLU       8     Kor Kauty     ASLU       8     Kor Kauty     VELU       8     Kor Kauty     VELU       8     Kor Kauty     VELU       8     Kor Kauty     VELU       9     Kor Kauty     VELU       1030     GU     1000       1130     1330       1330     1330	Sample Name     Sample Name       F     Kor Kau, ASUC     F       A     A     C       A     A     C       A     A     C       A     A     C       A     A     C       A     A     C       A     A       A     A       A     A       A     A       B     Kor Kau, A       B     Kor Kau, A       B     Kor Kau, A       B     C       B     C       B     C       B     C	Gample Name     Sample Name       5     Kor Kauj ASUU É/MOJ 1030 GW       7     Kor Kauj ASUU É/MOJ 1030 GW       8     Kor Kauj ASUU É/MOJ 1030 GW       8     Kor Kauj ASUU É/MOJ 1100 GW       9     Kor Kauj VEU E       1330     1130       1330     1230       1330     1230       1130     1230       1130     1330       1130     1330       1130     1130       1130     1130       1130     1130       1130     1130       1130     1130       1130     1130

APPENDIX D Pre-Startup Soil Sample Summary Table

#### TABLE 4-2

#### NYSDEC KORKAY INC SITE - #518014

#### PRE-START-UP SOIL CONTAMINANT CONCENTRATIONS

SAMPLE CDM-VEW1		SOIL1 (0-2')	SOIL2 (2-4')	SOIL3 (4-6')	SOIL4 (6-8')	SOIL5 (8-10')
Parameter	CRITERIA (ppb)	conc. (ppb)	conc. (ppb)	conc. (ppb)	conc. (ppb)	conc. (ppb)
VOCs						
TCE	700	60	55	<500	4,600	6,700
1,2 Dichlorethene (total)	7,700	<5	16	1,500	3,200	5,500
Xylenes	1,200	<5	11	33,000	55,000	52,000
Toluene	1,500	<5	<5	590	2,100	6,400
Ethylbenzene	5,500	<5	<5	2,400	7,200	14,000
1,2-Dichlorobenzene	7.7-EE6	<5	<5	<500	630	1,700
o-Dichlorobenzene	7.7-EE6	<5	<5	<500	<500	1,700
SAMPLE CDM-VEW2	[	SOIL1 (0-2')	SOIL2 (2-4')	SOIL3 (4-6')	SOIL4 (6-8')	SOIL5 (8-10'
Parameter		conc. (ppb)	conc. (ppb)	conc. (ppb)	conc. (ppb)	conc. (ppb)
VOCs						
1,2 Dichlorethene (total)	7.7-EE6	<5	<5	<5	150	710
Xylenes	1,200	<5	<5	<5	150	8,600
Ethylbenzene	5,500	<5	<5	<5	120	2,900
SAMPLE CDM-VEW3		SOIL1 (0-2')	SOIL2 (2-4')	SOIL3 (4-6')	SOIL4 (6-8')	SOIL5 (8-10'
Parameter		conc. (ppb)	conc. (ppb)	conc. (ppb)	conc. (ppb)	conc. (ppb)
VOCs				<u>/_</u> _/_		
1,2-Dichlorobenzene	7.7-EE6	<5	<5	<5	5	500
Xylenes	1,200	<5	<5	<5	51	17,000
Ethylbenzene	5,500	<5	<5	<5	24	<500
o-Dichlorobenzene	7.7-EE6	<5	<5	<5	5	500
SAMPLE CDM-VEW4		SOIL1 (0-2')	SOIL2 (2-4')	SOIL3 (4-6')	SOIL4 (6-8')	SOIL5 (8-10'
Parameter		conc. (ppb)	conc. (ppb)	conc. (ppb)	conc. (ppb)	conc. (ppb)
VOCs				; ·;		
TCE	700	NS	84	<500	2,300	<500
Xylenes	1,200	NS	<50	9,400	120,000	33,000
Toluene	1,500	NS	<50	<500	12,000	3,500
Ethylbenzene	5,500	NS	<50	720	19,000	<500
1,2-Dichlorobenzene	7.7-EE6	NS	<50	<500	5,500	1,800
o-Dichlorobenzene	7.7-EE6	NS	<50	<500	5,500	7,800
SAMPLE CDM-ASW		SOIL1 (0-2')	SOIL2 (2-4')	SOIL3 (4-6')	SOIL4 (6-8')	SOIL5 (8-10'
Parameter		conc. (ppb)	conc. (ppb)	conc. (ppb)	conc. (ppb)	conc. (ppb)
100-						
VOCs						
1,2 Dichlorethene (total)	7.7-EE6	NS	NS	<25	<100	1,800
	7.7-EE6 1,200	NS NS	NS NS	<25 <25	<100 640	1,800 7,700
1,2 Dichlorethene (total)						
1,2 Dichlorethene (total) Xylenes Toluene	1,200	NS	NS	<25	640	7,700
1,2 Dichlorethene (total) Xylenes	1,200 1,500	NS NS	NS NS	<25 <25	640 <100	7,700 500 990
1,2 Dichlorethene (total) Xylenes Toluene Ethylbenzene	1,200 1,500 5,500	NS NS NS	NS NS NS	<25 <25 <25	640 <100 320	7,700 500 990
1,2 Dichlorethene (total) Xylenes Toluene Ethylbenzene SAMPLE CDM-VEW3/4	1,200 1,500 5,500	NS NS NS SOIL1 (0-2')	NS NS NS SOIL2 (2-4')	<25 <25 <25 SOIL3 (4-6')	640 <100 320 SOIL4 (6-8')	7,700 500 990 SOIL5 (8-10'
1,2 Dichlorethene (total) Xylenes Toluene Ethylbenzene SAMPLE CDM-VEW3/4 Parameter VOCs	1,200 1,500 5,500	NS NS NS SOIL1 (0-2')	NS NS NS SOIL2 (2-4')	<25 <25 <25 SOIL3 (4-6')	640 <100 320 SOIL4 (6-8')	7,700 500 990 SOIL5 (8-10'
1,2 Dichlorethene (total) Xylenes Toluene Ethylbenzene SAMPLE CDM-VEW3/4 Parameter	1,200 1,500 5,500	NS NS SOIL1 (0-2') conc. (ppb)	NS NS SOIL2 (2-4') conc. (ppb)	<25 <25 <25 SOIL3 (4-6') conc. (ppb)	640 <100 320 SOIL4 (6-8') conc. (ppb)	7,700 500 990 SOIL5 (8-10' conc. (ppb)

NS = No Sample collected at that depth due to No VOC detected on OVM

APPENDIX E Well Development Forms

#### STAR ENVIRONMENTAL FIELD SERVICES

Well Development/Purging Log							
PROJECT NAME:	Korkar Inc						
PROJECT NUMBER:	)						
DATE:	Aug 14, 2007						
SAMPLERS:	W. GAMBUS						

Well No. ASW

			Well I.D.	Vol. Gal./Ft.
$\bigcirc$	Total Casing and Screen Length (ft.)	13.55	1*	0.04
2	Casing Internal Diameter (In.)	_2"	2"	0.17 0.38
3	Water Level Below Top of Casing (ft.)	9.30	4° 5*	0.66 1.04
4	Volume of Water in Casing (gal.)	10-10-10-10-10-10-10-10-10-10-10-10-10-1	6" 8"	1.50 2.60
	∨ = 0.0408 (②)² x (① - ③) =	4		
	$v = 0.0408 ()^2 x ($		) =	gal.

PARAMETER		ACCUMULATED VOLUME PURGED							
Gallons	O	0.7	0.7	0:7				1	
Time	1007	1010	1014	1017					
Conductivity (mohm/cm)	+16	.422	.+27	.422			Ì		
Dissolved Oxygen (ppm)	1154	1244	12.52	1239			Ì	and the second second	
Eh (mV)									
рН	6.47	6.50	6.44	6.46					
Temp ('C)	16.7	15.2	14.9	14-9		1			
Turbidity (NTUs)	10	10	10	10					

COMMENTS:

Char with Saptic obor

question of 1020

#### 

Well No. Flush mount

Well	Development/	Purging Log

PROJECT NAME:	Korkoy Inc
PROJECT NUMBER:	
DATE:	Aug 14,2007
SAMPLERS:	W GAMBLE / T. Ragosta

			Well I.D.	Vol. Gal./Ft.
	Total Casing and Screen Length (ft.)	54.48		0.04
2	Casing Internal Diameter (in.)	2'	2"	0.17 0.38
3	Water Level Below Top of Casing (ft.)	2.8.35	4° 5°	0.66 1.04
4)	Volume of Water in Casing (gal.)	****	6° 8'	1.50 2.60
	$\vee = 0.0408 (2)^2 \times (1 - 3)$	) = ④		
	$v = 0.0408 ()^2 \times ($	8	) =	gal.

PARAMETER	ACCUMULATED VOLUME PURGED								
Gallona	0	4,4	4,4	4,4				1	Norma
Time	1426	1440	1451	1505		1			niri
Conductivity (mohm/cm)	.646	.562	,600	.598					ittere
Dissolved Oxygen (ppm)	13-13	14.21	13.97	13.94		1			9540
Eh (mV)					1	1			
рН	11-33	11,26	11.46	11.42	T				
Temp ('C)			151						-
Turbidity (NTUs)	379	351	451	459					ication i
and the first of the second									
									No.

COMMENTS:

HOMER DERY TUNDID & Sitty +8.11' LEWEL (SWAL) To WATER @ 1515

#### STAR ENVIRONMENTAL FIELD SERVICES

Well No. K-Z

	Well Development/Purging Log
PROJECT NAME:	Korkay Inc
PROJECT NUMBER:	
DATE:	Aug. 14,2007
SAMPLERS:	W. GHMBUS, T. Ragosta

0		*	Well I.D.	Vol. Gal./Ft.
	Total Casing and Screen Length (ft.)	13.82	1*	0.04
2	Casing Internal Diameter (In.)	_ 2"	2° 3°	0.17 0.38
3	Water Level Below Top of Casing (ft.)	9.80	4" 5"	0.66 1.04
4	Volume of Water in Casing (gal.)	die aug bildetein bezweische auch eine sons pro-	6" 8"	1.50 2.60
	v ∞ 0.0408 (②)² x (①-③) =	- 4		
	$v = 0.0408 ()^2 x ($	~ ]		gal.

PARAMETER	ACCUMULATED VOLUME PURGED								
Gallons	0	0.7	0.7	0.7	T	TT	T	TT	designed by the
Time	1205	1209	1213	1216					
Conductivity (mohm/cm)			a second s	1235				1	
Dissolved Oxygen (ppm)				15.92				1	n hand daal ka saa
Eh (mV)									
pH	6.92	6.74	6.57	6.53			1		Part Street
Temp (C)	16.4	14.9	14.5	14.2				1	
Turbidity (NTUe)	398	346	27	100					
	1								

COMMENTS:

INSIALLack Lock TO344

CHECK TD

Rust color - slight ocor

MWK-4 15 Duplicate for VOA's only 11.48 June Orace @ 1220

# STAR ENVIRONMENTAL FIELD SERVICES

Well	No.	M	W) -	K	13

K-3

Well Development/Purging Log

PROJECT NAME:	Konkey Inc
PROJECT NUMBER:	
DATE:	Aug 14, 2007
SAMPLERS:	W. GAMBUR, T. Ragosta

		2		Well I.D.	Vol. Gal./Ft.
	Total Casing and Screen Length	n (ft.)	12.60	1*	0.04
2	Casing Internal Diameter (in.)		_ Z ″	2" 3"	0.17 0.38
3	Water Level Below Top of Casin	g (ft.)	8.65	4* 5* 6*	0.66 1.04
4	Volume of Water in Casing (gal.	)		- 8"	1.50 2.60
	v = 0.0408 (②) <sup>2</sup> x (①	- ③) =	4		
	v = 0.0408 (	)² X (		) =	gal.

PARAMETER	ACCUMULATED VOLUME PURGED									
Gailons	0	0,7	0.7	0.7	T			T	T	
Time	1430	1434	1438	1445						
Conductivity (mohm/cm)	-214	.210	-214	-Halt		1				
Dissolved Oxygen (ppm)	13.76	12-63	14.18	13030						Annahalisati
Eh (mV)					1			1		
pH	7.90	7.70	7.47	7.12	1	1				
Temp ('C)	17.2	1600	15.5	1600		1				
Turbidity (NTUs)			88							
and the second										
								1		

COMMENTS:

Rust color slicht odor-



STAR ENVIRONMENTAL FIELD SERVICES

	Well Development/Purging Log
PROJECT NAME:	Korkay Inc
PROJECT NUMBER:	
DATE:	Aug 14,2007
SAMPLERS:	W.G.AMBLD, T. Ragosta

Well No. MW 85

-			Well I.D.	Vol. Gal./Ft.
$\bigcirc$	Total Casing and Screen Length (ft.)	10.82	1	0.04
2	Casing Internal Diameter (in.)	21	2" 3"	0.17 0.38
3	Water Level Below Top of Casing (ft	1 7.23	4* 5*	0.66 1.04
4	Volume of Water In Casing (gal.)	4044-140-00-01-0-01-01-01-01-01-01-01-01-01-01-	6" 8"	1.50 2.60
	v = 0.0408 (②)² x (①-③	)) = ④		
	$v = 0.0408 ()^{2} x$	( - )	#	gai.

		ACCUMULATED VOLUME PURGED							
0	0,6	0.6	a second s			TT	1	reaction of	
080	08/0	0815	05 80			T			
,357	1498	.497	.460			T		NAD ut dava	
9.88	9,54	9,50	9.62		1	T		ANNANC OF	
						1	and the second		
7.56	7.60	7.57	7.08		1				
16.3	16.7	16.8	16.7		Contraction and Contraction of Contraction	$\square$			
513	171	105	10.0						
	0800 ,357 9.88 7.56 16.3	0860 0810 ,357 ,498 9.88 9,54 7.56 7.60 16.3 16.7	0860 0810 0815 ,357 ,498 ,497 9.88 9,54 9,50 7.56 7.60 7.57 16.3 16.7 16.8	0860 0810 0815 0820 ,357 ,498 ,497 .400 9.88 9,54 9,50 9.62 7.56 7.60 7.57 7.08 16.3 16.7 16.8 16.7	0810 0810 0815 0820 ,357 ,498 ,497 .400 9.88 9,54 9,50 9.62 7.56 7.60 7.57 7.08 16.3 16.7 16.8 16.7	0810 0815 0820 357 ,498 ,497 ,400 9.88 9.54 9,50 9.62 7.56 7.60 7.57 7.08 16.3 16.7 16.8 16.7	0810 0815 0820 ,357 ,498 ,497 ,460 9.88 9,54 9,50 9.62 7.56 7.60 7.57 7.08 16.3 16.7 16.8 16.7	0810 0815 0820 357 ,498 ,497 ,400 9.88 9.54 9,50 9.62 7.56 7.60 7.57 7.08 16.3 16.7 16.8 16.7	

COMMENTS:

SEWER ODDE- VERY TONDID

7,36 guiant which which

#### STAR ENVIRONMENTAL FIELD SERVICES

Well Development/Purging Log Korkay Inc PROJECT NAME: PROJECT NUMBER: Aug 14, 2007 W.G.AmBLO, T. DATE: Ragosta SAMPLERS:

Well No. MW 2D

Val

		No.	Well I.D.	Vol. Gal./Ft.
$\bigcirc$	Total Casing and Screen Length (ft.)	54.25	1*	0.04
2	Casing Internal Diameter (in.)	2''	2" 3"	0.17 0.38
3	Water Level Below Top of Casing (ft.)	28.03		0.66 1.04
4	Volume of Water in Casing (gal.)		6" 8"	1.50 2.60
	$\vee = 0.0408 (2)^2 \times (1 - 3) =$	4		
	$v = 0.0408 ()^2 \times ($	- )	=	gal.

PARANETER	ACCUMULATED VOLUME PURGED								
Gallona	0	4.5	4.5	4.5			TT	1	
Time	0730	0742	0754	0809					
Conductivity (mohm/cm)			1	-117				1	
Dissolved Oxygen (ppm)	11.92	12.16	12.20	11027			1		
Eh (mV)						1			
рН	9.67	10.16	9.84	9.28	1				
Temp (°C)				13.5		Development and	1		
Turbidity (NTUs)			349						
						_			
	1								

COMMENTS:

45.93 June 2000

Jurbid with greyish color-slickt Septic odor

#### STAR ENVIRONMENTAL FIELD SERVICES

Well No. MW 155

	Well Development/Purging Log
PROJECT NAME:	Kor Kay Inc
PROJECT NUMBER:	
DATE:	Aug 14, 2007
SAMPLERS:	W. GAMBLID, T. Ragoista

			Well I.D.	Vol. Gal./Ft.
	Total Casing and Screen Length (ft.)	12.58	1*	0.04
2	Casing Internal Diameter (in.)	_2"	2° 3"	0.17 0.38
3	Water Level Below Top of Casing (ft.)	8.05	4" 5" 6"	0.66 1.04
٩	Volume of Water in Casing (gal.)	Anton and the second second particular	6°	1.50 2.60
	∨ == 0.0408 (②) <sup>2</sup> x (①-③) ==	4		
	$v = 0.0408 ()^2 x ($	<b>~</b> ]	2	gal.

PARANETER	ACCUMULATED VOLUME PURGED							
Gailons	0	07	017	0.7	TT		TT	-
Time	1332		1	1344	T		1	
Conductivity (mohm/cm)	.214	.149	.145	148			1	
Dissolved Oxygen (ppm)	19.99	19.99	18.50	16.47		1	11	
Eh (mV)					1 1			
рН	6.65	6.41	6.62	6.39	$\top$		1-1	
Temp ('C)	21.3	17.5	16.9	18.8	11	1	1	
Turbidity (NTUs)	1		147	Concerning and the second state				
	_							
						1	TT	

COMMENTS: class with shield Septic odor SAUPLE clear - Turbicity meter malfunctionisé 12/Acad Lock on well \*0344 Key 8.12' Swert 2 \* Lavah To WATER @ 1348

Well No. MW 15D

# STAR ENVIRONMENTAL FIELD SERVICES

Well Development/Purging Log

PROJECT NAME:	Korkow Inc
PROJECT NUMBER:	
DATE:	Avg 14,2007
SAMPLERS:	WGAMBLO, T. Ragosta

			Well I.D.	Vol. Gal./Ft.
	Total Casing and Screen Length (ft.)	43,94	1"	0.04
2	Casing Internal Diameter (in.)	2 <i>''</i>	2"	0.17 0.38
3	Water Level Below Top of Casing (ft.)	28,12	4* 5*	0.66 1.04
4	Volume of Water in Casing (gal.)		6" 8"	1.50 2.60
	$v = 0.0408 (2)^2 \times (1 - 3)$	- 4		
	$v = 0.0408 ()^2 \times ($	ø	) =	gal.

PARAMETER		ACCUMULATED VOLUME PURGED							
Gailons	0	3	3	3	T		T	TT	
Time	130	137	144	150	1			1	
Conductivity (mohm/cm)	.115	,120	-123	,122					
Dissolved Oxygen (ppm)	19.99	18,79	16.52	16,30					-verdenoù-
Eh (mV)					1			1	
рН	7.21	7.25	7.27	7:25	1				
Temp (°C)	1615	13.4	13.8	13,2	T		1	1	
Turbidity (NTUs)	172	222	80	120					
			DRg						

COMMENTS:

Hock & 0344

Well No. VEW-1

### STAR ENVIRONMENTAL FIELD SERVICES

Suge volume 9.65

COMMENTS:

Well Development/Purging Log

PROJECT NAME:	Korkoy Inc
PROJECT NUMBER:	
DATE:	Aug 14, 2007
SAMPLERS:	W.GHMBID, T. Ragosta

				Well I.D.	Vol. Gal./Ft.
	Total Casing and Screen Le	ngth (ft.)	9.70	1*	0.04
2	Casing Internal Diameter (in	.)	2''	2° 	0.17
3	Water Level Below Top of C	asing (ft.)	9.64	5"	0.66 1.04
4	Volume of Water in Casing	(gal.)		6" 8"	1.50 2.60
	v ≖ 0.0408 (②)² x	(1-3) =	4		
	v = 0.0408 (	) <sup>2</sup> × (		)= 0.0	/_ gal.

PARAMETER	ACCUMULATED VOLUME PURGED							
Gallons	0	0.06	0.04	0.04				
Time	0950	0455	0958	1001				
Conductivity (mohm/cm)	.274	.301	. 290	.274				
Dissolved Oxygen (ppm)	11.07	11.20	11.56	11.43				
Eh (mY)								
рН	6.46	6-35	6.38	6.41				-
Temp ('C)	17.6	17.2	16.4	16.4		1		the cartains
Turbidity (NTUs)	10	10	16	10				
								 en en manter
and the Rest of States								

Clear with Sadina T ( black particles) 3 Saptic odor

Well No. VEW-2

### STAR ENVIRONMENTAL FIELD SERVICES

Well Development/Purging Log

PROJECT NAME:	Karkon Inc.
PROJECT NUMBER:	
DATE:	Aug 14,2007
SAMPLERS:	W. GAMBIN, T. Ragosta

			Well I.D.	Vol. Gal./Ft.
	Total Casing and Screen Length (ft.)	10.89	1*	0.04
2	Casing Internal Diameter (In.)	211	2" 3"	0.17 0.38
3	Water Level Below Top of Casing (ft.)	9,54	4° 5°	0.66 1.04
٢	Volume of Water in Casing (gal.)	-	6* 8*	1.50 2.60
	V = 0.0408 (②) <sup>2</sup> x (① - ③) =	4		
	$v = 0.0408 ()^2 \times ($	•	) =	gal.

PARAMETER		ACCUMULATED VOLUME PURGED								
Galions	O	0.2	0.2	0.2	T			Γ	T	
Time				0916			1			
Conductivity (mohm/cm)	-319	-309	-3 24	.335			T			
Dissolved Oxygen (ppm)	10.11	10.76	10.80	10.98						
Eh (mV)										
pH	6.77	6.78	6:73	6.68	T		1			
Temp ('C)	17.5	15.9	15.2	15.1	1		1		Í	
Turbidity (NTUs)	31	10	10	10						
		-					<u> </u>			
and the second secon					1		1			

COMMENTS:

Russ Color with slight odor classed right up

Jiwal volme Jiwal volme 10 WARKS@ 0920 70 WARKS@ 0920

### STAR ENVIRONMENTAL FIELD SERVICES

Well No. VEW-3

Well Development/Purging Log

PROJECT NAME:	Korkay Inc
PROJECT NUMBER:	(
DATE:	Aug 14,2007
SAMPLERS:	W. O.A. BID, T. Ragosta

_			Well I.D.	Vol. Gal./Ft.
	Total Casing and Screen Length (ft.)	10.72	1"	0.04
2	Casing Internal Diameter (in.)	_2"	2* 3*	0.17 0.38
3	Water Level Below Top of Casing (ft.)	10.19	4° 5'	0.66 1.04
4	Volume of Water in Casing (gal.)	1+++++++++++++++++++++++++++++++++++++	6" 8"	1.50 2.60
	v ≈ 0.0408 (②)² x (①-③) =	- 4		
	$v = 0.0408 ()^{2} x ($	*	) =	gal.

PARAMETER		ACCUMULATED VOLUME PURGED								
Gallons	0	,09	.09	1		1	T	Π	T	
Time	0.850	0854	0858	0901			1			
Conductivity (mohm/cm)	.506	.519	.517	-509			1			
Dissolved Oxygen (ppm)	9.79	10.56	10.19	10-25						
Eh (mV)		-					1			
pH	6.87	6.95	7.08	7.15			1			
Temp (C)			16.8			1	1			
Turbidity (NTUs)	10.0	10.0	10.0	10.0						-
and the second							1			

COMMENTS:

Clear with septic odor. 10,41 Swal 10,000 Swall

### STAR ENVIRONMENTAL FIELD SERVICES

Well No. VEW-4

Well Development/Purging Log

PROJECT NAME:	Korkay Inc.
PROJECT NUMBER:	
DATE:	Aug 14, 2007
SAMPLERS:	W. OAMBLE, T. Ragosta

			Well I.D.	Vol. Gal./Ft.
1	Total Casing and Screen Length (ft.)	10.87	1"	0.04
2	Casing Internal Diameter (In.)	a''	2* 3*	0.17 0.38
~ 3	Water Level Below Top of Casing (ft.)	10-22	4° 5°	0.66 1.04
4	Volume of Water in Casing (gal.)		6" 8"	1.50 2.60
	$v = 0.0408 (2)^{2} \times (1 - 3) =$	4		

v = 0.0408 (

)<sup>2</sup> × ( - ) = \_\_\_\_ gal.

PARAMETER		ACCUMULATED VOLUME PURGED						
Gallons	0	0.1	0.1	0,1	T			T
Time			044	1		1		
Conductivity (mohm/cm)				.547		1		
Dissolved Oxygen (ppm)				12.44				
Eh (mV)					11			
рН	2.00	6.80	8:40	6.76			11	
Temp (°C)				19.5		1	1-1	
Turbidity (NTUe)	8	4	365					
		L						
	_							

COMMENTS:

Turbite with septic odor-

Dall' gwal dayth To water @ 1151

dry AFTER 3rd jurce

**APPENDIX F Groundwater Analytical Results** 



August 31, 2007

Earth Tech 40 British American Boulevard Latham, NY 12110 Attn: Mr. Scott Underhill

RE: Client Project: NYSDEC--Korkay, reference number: 99165 Lab Project #: F1131

Dear Mr. Underhill:

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

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

We appreciate your business.

Sincerely,

Shirley S. Ng Project Manager

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

# Project Name : Korkay Inc

		Analytical Requirements						
Customer Sample ID	Laboratory Sample ID	MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other		
WW8D	F1131-01	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA		
WW8D	F1131-01				SW6010B_W			
MW8S	F1131-02	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA		
WW8S	F1131-02				SW6010B_W			
/EW2	F1131-03	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA		
/EW2	F1131-03				SW6010B_W			
/EW3	F1131-04	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA		
/EW3	F1131-04	······			SW6010B_W			
ASW	F1131-05	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA		
ASW	F1131-05				SW6010B_W			
/EW1	F1131-06	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA		
/EW1	F1131-06				SW6010B_W			
VEW4	F1131-07	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA		
/EW4	F1131-07				SW6010B_W			
<-2	F1131-08	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA		
<-2	F1131-08		· · · ·		SW6010B_W			
<-4	F1131-09	SW8260B_W						
MW15S	F1131-10	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA		
MW15S	F1131-10	· ·			SW6010B_W			
MW15D	F1131-11	SW8260B_W	SW8270C_W	· · · · · · · · · · · · · · · · · · ·	SW6010B_W	SEE DATA		
MW15D	F1131-11	-			SW6010B_W			
<13	F1131-12	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA		
<13	F1131-12		······		SW6010B_W			
LUSHMOUNT	F1131-13	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA		
FLUSHMOUNT	F1131-13	· · ·			SW6010B_W			
TB081407	F1131-14	SW8260B_W						

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

# Project Name : Korkay Inc

Laboratory		Date	Date Received	Date	Date	
Sample ID	Matrix	Collected	By Lab	Extracted	Analyzed	
SW8260B_W						
F1131-01A	AQ	8/14/2007	8/15/2007	NA	8/25/2007	
F1131-02A	AQ	8/14/2007	8/15/2007	NA	8/25/2007	
F1131-02ADL	AQ	8/14/2007	8/15/2007	NA	8/27/2007	
F1131-03A	AQ	8/14/2007	8/15/2007	NA	8/27/2007	
F1131-04A	AQ	8/14/2007	8/15/2007	NA	8/25/2007	
F1131-05A	AQ	8/14/2007	8/15/2007	NA	8/25/2007	
F1131-05ADL	AQ	8/14/2007	8/15/2007	NA	8/27/2007	
F1131-06A	AQ	8/14/2007	8/15/2007	NA	8/27/2007	
F1131-06ADL	AQ	8/14/2007	8/15/2007	NA	8/28/2007	
F1131-07A	AQ	8/14/2007	8/15/2007	NA	8/28/2007	
F1131-08A	AQ	8/14/2007	8/15/2007	NA	8/27/2007	
F1131-09A	AQ	8/14/2007	8/15/2007	NA	8/27/2007	
F1131-10A	AQ	8/14/2007	8/15/2007	NA	8/25/2007	
F1131-11A	AQ	8/14/2007	8/15/2007	NA	8/25/2007	
F1131-12A	AQ	8/14/2007	8/15/2007	NA	8/25/2007	
F1131-13A	AQ	8/14/2007	8/15/2007	NA	8/25/2007	
F1131-14A	AQ	8/14/2007	8/15/2007	NA	8/25/2007	

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

## Project Name : Korkay Inc

Laboratory		Date	Date Received	Date	Date	
Sample ID	Matrix	Collected	By Lab	Extracted	Analyzed	
SW8270C_W			· · · ·			
F1131-01C	AQ	8/14/2007	8/15/2007	8/15/2007	8/24/2007	
F1131-02C	AQ	8/14/2007	8/15/2007	8/15/2007	8/24/2007	
F1131-03C	AQ	8/14/2007	8/15/2007	8/15/2007	8/24/2007	
F1131-04C	AQ	8/14/2007	8/15/2007	8/15/2007	8/24/2007	
F1131-05C	AQ	8/14/2007	8/15/2007	8/15/2007	8/27/2007	
F1131-06C	AQ	8/14/2007	8/15/2007	8/15/2007	8/24/2007	
F1131-07C	AQ	8/14/2007	8/15/2007	8/15/2007	8/24/2007	
F1131-08C	AQ	8/14/2007	8/15/2007	8/15/2007	8/24/2007	
F1131-10C	AQ	8/14/2007	8/15/2007	8/15/2007	8/24/2007	
F1131-11C	AQ	8/14/2007	8/15/2007	8/15/2007	8/24/2007	
F1131-12C	AQ	8/14/2007	8/15/2007	8/15/2007	8/24/2007	
F1131-13C	AQ	8/14/2007	8/15/2007	8/15/2007	8/24/2007	

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

# Project Name : Korkay Inc

Laboratory		Analytical	Extraction	Low/Medium	Dil/Conc
Sample ID	Matrix	Protocol	Method	Level	Factor
SW8260B_W				- <b>1</b>	
F1131-01A	AQ	SW8260B_W	NA	LOW	1
F1131-02A	AQ	SW8260B_W	NA	LOW	1
F1131-02ADL	AQ	SW8260B_W	NA	LOW	1
F1131-03A	AQ	SW8260B_W	NA	LOW	1
F1131-04A	AQ	SW8260B_W	NA	LOW	1
F1131-05A	AQ	SW8260B_W	NA	LOW	1
F1131-05ADL	AQ	SW8260B_W	NA	LOW	1
F1131-06A	AQ	SW8260B_W	NA	LOW	1
F1131-06ADL	AQ	SW8260B_W	NA	LOW	1
F1131-07A	AQ	SW8260B_W	NA	LOW	1
F1131-08A	AQ	SW8260B_W	NA	LOW	1
F1131-09A	AQ	SW8260B_W	NA	LOW	1
F1131-10A	AQ	SW8260B_W	NA	LOW	1
F1131-11A	AQ	SW8260B_W	NA	LOW	1
F1131-12A	AQ	SW8260B_W	NA	LOW	1
F1131-13A	AQ	SW8260B_W	NA	LOW	1
=1131-14A	AQ	SW8260B_W	NA	LOW	1

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

# Project Name : Korkay Inc

Laboratory		Analytical	Extraction	Auxiliary	Dil/Conc
Sample ID	Matrix	Protocol	Method	Cleanup	Factor
SW8270C_W			<u> </u>		
F1131-01C	AQ	SW8270C_W	SW8270C_W	NA	1
F1131-02C	AQ	SW8270C_W	SW8270C_W	NA	1
F1131-03C	AQ	SW8270C_W	SW8270C_W	NA	1
F1131-04C	AQ	SW8270C_W	SW8270C_W	NA	1
F1131-05C	AQ	SW8270C_W	SW8270C_W	NA	1
F1131-06C	AQ	SW8270C_W	SW8270C_W	NA	1
F1131-07C	AQ	SW8270C_W	SW8270C_W	NA	1
F1131-08C	AQ	SW8270C_W	SW8270C_W	NA	1
F1131-10C	AQ	SW8270C_W	SW8270C_W	NA	1
F1131-11C	AQ	SW8270C_W	SW8270C_W	NA	1
F1131-12C	AQ	SW8270C_W	SW8270C_W	NA	1
F1131-13C	AQ	SW8270C_W	SW8270C_W	NA	1

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

Project Name : Korkay Inc

Laboratory		Metals	Date Received	Date	
Sample ID	Matrix	Requested	By Lab	Analyzed	
SW6010B_W					
F1131-01E	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-01EDUP	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-01EMS	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-01F	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-01FDUP	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-01FMS	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-02E	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-02F	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-03E	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-03F	AQ	SW6010B_W	8/15/2007	8/24/2007	
=1131-04E	AQ	SW6010B_W	8/15/2007	8/24/2007	
=1131-04F	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-05E	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-05F	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-06E	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-06F	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-07E	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-07F	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-08E	AQ	SW6010B_W	8/15/2007	8/24/2007	
=1131-08F	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-10E	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-10F	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-11E	AQ	SW6010B_W	8/15/2007	8/24/2007	
=1131-11F	AQ	SW6010B_W	8/15/2007	8/24/2007	
-1131-12E	AQ	SW6010B_W	8/15/2007	8/24/2007	
=1131-12F	AQ	SW6010B_W	8/15/2007	8/24/2007	
-1131-13E	AQ	SW6010B_W	8/15/2007	8/24/2007	
F1131-13F	AQ	SW6010B_W	8/15/2007	8/24/2007	

### Analytical Data Package for Earth Tech

Client Project: NYSDEC--Korkay

### SDG# MF1131

### Mitkem Work Order ID: F1131

August 31, 2007

Prepared For:

Earth Tech 40 British American Boulevard Latham, NY 12110 Attn: Mr. Scott Underhill

Prepared By:

Mitkem Corporation 175 Metro Center Boulevard Warwick, RI 02886 (401) 732-3400

### **SDG** Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's NYSDEC Korkay project. Under this deliverable, analysis results are presented for fourteen aqueous samples that were received on August 14, 2007. Analyses were performed per specifications in the project's contract and the chain of custody form. Following the narrative is a table of sample identification for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

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

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

1. Overall Observation:

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

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

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package. 2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception of dibromofluoromethane in samples VBLKT5, MW8D, MW8S, VEW3 and TB081407.

Lab control sample: spike recoveries were within the QC limits with the exception of chloromethane, bromomethane, chloroethane, trichlorofluoromethane, acetone and iodomethane in V2PLCS. The recovery of acetone in V2OLCS was outside the QC limits. The recovery of 1,2,3-trichloropropane in VT5LCS was outside the QC limits.

Sample analysis: due to high concentration of target analytes detected, samples ASWDL (5x), MW8SDL (2.5x) and VEW1DL (2.5x) were re-analyzed at dilution indicated. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits with the exception of nitrobenzene-d5 in sample VEW1. The recoveries of 2-fluorobiphenyl in samples VEW4 and K13 were outside the QC limits. The recovery of 2,4,6-tribromophenol was outside the QC limits in sample K13.

Lab control sample: spike recoveries were within the QC limits with the exception of 2,4dimethylphenol and hexachlorocyclopentadiene in S3KLCS and S3KLCSD. The replicate RPDs were within the QC limits.

Sample analysis: due to high concentration of target analytes, sample ASW was initial analysis at 2X dilution. No other unusual observation was made for the analysis.

4. Total Metals Analysis:

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

Matrix spike analysis: matrix spike was performed on sample MW8D. Spike recoveries were within the QC limits.

Duplicate analysis: duplicate analyses were performed on sample MW8D. Replicate RPDs were within the QC limits.

Sample analysis: no unusual observations were made during sample analysis.

5. Dissolved Metals Analysis:

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

Matrix spike analysis: matrix spike was performed on sample MW8D. Spike recoveries were within the QC limits.

Duplicate analysis: duplicate analyses were performed on sample MW8D. Replicate RPDs were within the QC limits.

Sample analysis: serial dilution was performed on sample MW8D. The RPDs were within the QC limits. No unusual observations were made during sample analysis.

6. Wet Chemistry Analysis:

All samples were analyses for Chloride, ortho-Phosphate (P), Total Organic Carbon, Alkalinity and Total Kjeldahl Nitrogen.

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

Matrix spike analysis: matrix spike was performed on sample FLUSHMOUNT for alkalinity analysis. Spike recoveries were within the QC limits.

Duplicate analysis: duplicate analyses were performed on sample FLUSHMOUNT for alkalinity analysis. Replicate RPDs were within the QC limits.

Sample analysis: due to low recoveries of continuing calibration verification achieved in ortho-Phosphate by Ion Chromotography, samples were re-analysis outside of holding time. Both results are reported. No other unusual observations were made during sample analysis.

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

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

Shulen

Shirley Ng Project Manager 08/31/07

# Mitkem and Client Sample ID Summary Report\*

Mitkem Workorder: F1131

Client Name: Earth Tech

Client Name		
Mitkem Sample ID	<b>Reported Client Sample ID</b>	Full Client Sample ID
F1131-01A	MW8D	KORKAY MW8D
F1131-01B	MW8D	KORKAY MW8D
F1131-01C	MW8D	KORKAY MW8D
F1131-01D	MW8D	KORKAY MW8D
F1131-01E	MW8D	KORKAY MW8D
F1131-01F	MW8D	KORKAY MW8D
F1131-01G	MW8D	KORKAY MW8D
F1131-02A	MW8S	KORKAY MW8S
F1131-02B	MW8S	KORKAY MW8S
F1131-02C	MW8S	KORKAY MW8S
F1131-02D	MW8S	KORKAY MW8S
F1131-02E	MW8S	KORKAY MW8S
F1131-02F	MW8S	KORKAY MW8S
F1131-02G	MW8S	KORKAY MW8S
F1131-03A	VEW2	KORKAY VEW2
F1131-03B	VEW2	KORKAY VEW2
F1131-03C	VEW2	KORKAY VEW2
F1131-03D	VEW2	KORKAY VEW2
F1131-03E	VEW2	KORKAY VEW2
F1131-03F	VEW2	KORKAY VEW2
F1131-03G	VEW2	KORKAY VEW2
F1131-04A	VEW3	KORKAY VEW3
F1131-04B	VEW3	KORKAY VEW3
F1131-04C	VEW3	KORKAY VEW3
F1131-04D	VEW3	KORKAY VEW3
F1131-04E	VEW3	KORKAY VEW3
F1131-04F	VEW3	KORKAY VEW3
F1131-04G	VEW3	KORKAY VEW3
F1131-05A	ASW	KORKAY ASW
F1131-05B	ASW	KORKAY ASW
F1131-05C	ASW	KORKAY ASW
F1131-05D	ASW	KORKAY ASW
F1131-05E	ASW	KORKAY ASW
F1131-05F	ASW	KORKAY ASW
F1131-05G	ASW	KORKAY ASW
F1131-06A	VEW1	KORKAY VEW1
F1131-06B	VEW1	KORKAY VEW1
F1131-06C	VEW1	KORKAY VEW1
F1131-06D	VEW1	KORKAY VEW1
F1131-06E	VEW1	KORKAY VEW1

\* If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"

Mitkem Sample ID	<b>Reported Client Sample ID</b>	Full Client Sample ID
F1131-06F	VEW1	KORKAY VEW1
F1131-06G	VEW1	KORKAY VEW1
F1131-07A	VEW4	KORKAY VEW4
F1131-07B	VEW4	KORKAY VEW4
F1131-07C	VEW4	KORKAY VEW4
F1131-07D	VEW4	KORKAY VEW4
F1131-07E	VEW4	KORKAY VEW4
F1131-07F	VEW4	KORKAY VEW4
F1131-07G	VEW4	KORKAY VEW4
F1131-08A	K-2	KORKAY K-2
F1131-08B	K-2	KORKAY K-2
F1131-08C	K-2	KORKAY K-2
F1131-08D	K-2	KORKAY K-2
F1131-08E	K-2	KORKAY K-2
F1131-08F	K-2	KORKAY K-2
F1131-08G	K-2	KORKAY K-2
F1131-09A	K-4	KORKAY K-4
F1131-10A	MW15S	KORKAY MW15S
F1131-10B	MW15S	KORKAY MW15S
F1131-10C	MW15S	KORKAY MW15S
F1131-10D	MW15S	KORKAY MW15S
F1131-10E	MW15S	KORKAY MW15S
F1131-10F	MW15S	KORKAY MW15S
F1131-10G	MW15S	KORKAY MW15S
F1131-11A	MW15D	KORKAY MW15D
F1131-11B	MW15D	KORKAY MW15D
F1131-11C	MW15D	KORKAY MW15D
F1131-11D	MW15D	KORKAY MW15D
F1131-11E	MW15D	KORKAY MW15D
F1131-11F	MW15D	KORKAY MW15D
F1131-11G	MW15D	KORKAY MW15D
F1131-12A	K13	KORKAY K13
F1131-12B	K13	KORKAY K13
F1131-12C	K13	KORKAY K13
F1131-12D	K13	KORKAY K13
F1131-12E	K13	KORKAY K13
F1131-12F	K13	KORKAY K13
F1131-12G	K13	KORKAY K13
F1131-13A	FLUSHMOUNT	KORKAY FLUSHMOUNT
F1131-13B	FLUSHMOUNT	KORKAY FLUSHMOUNT
F1131-13C	FLUSHMOUNT	KORKAY FLUSHMOUNT
F1131-13D	FLUSHMOUNT	KORKAY FLUSHMOUNT
F1131-13E	FLUSHMOUNT	KORKAY FLUSHMOUNT
F1131-13F	FLUSHMOUNT	KORKAY FLUSHMOUNT

\* If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"

Mitkem Sample ID	<b>Reported Client Sample ID</b>	Full Client Sample ID

F1131-13G FLUSHMOUNT F1131-14A TB081407

KORKAY FLUSHMOUNT KORKAY TB081407

\* If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"

Mitkem	Mitkem Corporation		I.	5/Aug/	15/Aug/07 15:25	Work	WorkOrder: F1131
Client ID: Project: Location: Comments:	Client ID: EARTH_NY Project: Korkay Inc Location:			Case: SDG: PO:	ase: DG: PO: 99165	Repo	Report Level: ASP-A EDD: HC Due: 08/31/07
							Fax Due:
Sample LU	HS Client Sample ID	Collection Date	Date Kecv'd	Matrix	Lest Code	Lab Test Comments	Hold MS SEL Storage
F1131-01A	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	SW8260B_W		NOA
F1131-01B	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	E415.1_TOC_W		$\Box  \Box  \Box$
F1131-01C	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	SW8270C_W		□ □ HFLOO
F1131-01D	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	E300IC_W	CL, P	
					SM2320_W		□ □ H3
F1131-01E	D8WM	08/14/2007 8:30	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	□ <b>≤</b> M5
F1131-01F	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	FILTER_I_PR		MIS .
					SW6010B_W	Fe, Mn, Cu (Dissolved)	□ <b>V</b> M5
F1131-01G	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	SM4500_TKN_W		I I I
F1131-02A	MW8S	08/14/2007 9:00	08/15/2007	Aqueous	SW8260B_W		AOA
F1131-02B	S8WM	08/14/2007 9:00	08/15/2007	Aqueous	E415.1_TOC_W		
Client Rep:	Shirley S Ng					Page	1 of 11

Mitken	Mitkem Corporation		I.	5/Aug/	15/Aug/07 15:25	Work	WorkOrder: F1131
Client ID: Project: Location: Comments:	Client ID: EARTH_NY Project: Korkay Inc Location: Comments: N/A			Case: SDG: PO:	ase: DG: PO: 99165	Repo	Report Level: ASP-A EDD: HC Due: 08/31/07 Fax Due:
Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage
F1131-02C	MW8S	08/14/2007 9:00	08/15/2007	Aqueous	SW8270C_W		HFLOO
F1131-02D	S8WM	08/14/2007 9:00	08/15/2007	Aqueous	E300IC_W SM2320_W	CL, P	□ □ H3 □ □ H3
F1131-02E	MW8S	08/14/2007 9:00	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	□ <b>Z</b> M5
F1131-02F	MW8S	08/14/2007 9:00	08/15/2007	Aqueous	FILTER_I_PR SW6010B_W	Fe, Mn, Cu (Dissolved)	MS MS
F1131-02G	MW8S	08/14/2007 9:00	08/15/2007	Aqueous	SM4500_TKN_W		14 III
F1131-03A	VEW2	08/14/2007 10:00	08/15/2007	Aqueous	SW8260B_W		0A
F1131-03B	VEW2	08/14/2007 10:00 08/15/2007	08/15/2007	Aqueous	E415.1_TOC_W		
F1131-03C	VEW2	08/14/2007 10:00	08/15/2007	Aqueous	SW8270C_W		HFLOO

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Client Rep: Shirley S Ng

Mitken	Mitkem Corporation	15.	15/Aug/07 15:25	Work	WorkOrder: F1131
Client ID: Project: Location: Comments:	Client ID: EARTH_NY Project: Korkay Inc Location: Comments: N/A		Case: SDG: PO: 99165	Rep	Report Level: ASP-A EDD: HC Due: 08/31/07 Fax Due:
Sample ID	HS Client Sample ID	Collection Date Date Recv'd	Matrix Test Code	Lab Test Comments	Hold MS SEL Storage
F1131-03D	VEW2	08/14/2007 10:00 08/15/2007	Aqueous E300IC_W	CL, P	H3
			SM2320_W		H3
F1131-03E	VEW2	08/14/2007 10:00 08/15/2007	Aqueous SW6010B_W	Fe, Mn, Cu	□ <b>1</b> M5
F1131-03F	VEW2	08/14/2007 10:00 08/15/2007	Aqueous FILTER_I_PR		MS MS
			SW6010B_W	Fe, Mn, Cu (Dissolved)	□ <b>√</b> M5
F1131-03G	VEW2	08/14/2007 10:00 08/15/2007	Aqueous SM4500_TKN_W		I4
F1131-04A	VEW3	08/14/2007 9:30 08/15/2007	Aqueous SW8260B_W		
F1131-04B	VEW3	08/14/2007 9:30 08/15/2007	Aqueous E415.1_TOC_W		□ □ 02
F1131-04C	VEW3	08/14/2007 9:30 08/15/2007	Aqueous SW8270C_W		HFLOO
F1131-04D	VEW3	08/14/2007 9:30 08/15/2007	Aqueous E300IC_W	CL, P	H H
			SM2320_W		□ □ H3
Client Rep:	Shirley S Ng			Page	e 3 of 11

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Mitkem	Mitkem Corporation		15/	15/Aug/07 15:25	15:25	WorkO	WorkOrder: F1131
Client ID: Project: Location:	Client ID: EARTH_NY Project: Korkay Inc Location:			Case: SDG: PO: 99165	, ,	Report	Report Level: ASP-A EDD: HCD 08/34/07
Commei	Comments: N/A				)		
Sample ID	HS Client Sample ID	Collection Date Date	Date Recv'd N	Matrix Test	Test Code	Lab Test Comments	Hold MS SEL Storage
F1131-04E	VEW3	08/14/2007 9:30 08/15	5/2007 A	Aqueous SW6(	SW6010B_W	Fe, Min, Cu	□
F1131-04F	VEW3	08/14/2007 9:30 08/15	08/15/2007 A	Aqueous FILT	FILTER_I_PR		
				SW6(	SW6010B_W	Fe, Mn, Cu (Dissolved)	□ <b>∨</b> W5
F1131-04G	VEW3	08/14/2007 9:30 08/15	08/15/2007 A	Aqueous SM45	SM4500_TKN_W		□ □ 14
F1131-05A	ASW	08/14/2007 10:30 08/15/2007		Aqueous SW82	SW8260B_W		VOA
F1131-05B	MSM	08/14/2007 10:30 08/15	5/2007 A	Aqueous E415.	E415.1_TOC_W		
F1131-05C	ASW	08/14/2007 10:30 08/15/2007		Aqueous SW82	SW8270C_W		HFLOO
F1131-05D	ASW	08/14/2007 10:30 08/15	08/15/2007 A	Aqueous E300	E300IC_W	CL, P	
				SM23	SM2320_W		□ □ H3
F1131-05E	ASW	08/14/2007 10:30 08/15/2007		Aqueous SW6(	SW6010B_W	Fe, Mn, Cu	□ <b>⊠</b> <sub>M5</sub>
F1131-05F	ASW	08/14/2007 10:30 08/15/2007		Aqueous FILT	FILTER_I_PR		□ □ M5
Client Rep:	Shirley S Ng					Page	4 of 11

Mitkem	Mitkem Corporation	1.	15/Aug/07 15:25	Work	WorkOrder: F1131
Client ID: Project: Location: Comments:	Client ID: EARTH_NY Project: Korkay Inc Location: Comments: N/A		Case: SDG: PO: 99165	Repo	Report Level: ASP-A EDD: HC Due: 08/31/07 Fax Due:
Sample ID	HS Client Sample ID	Collection Date Date Recv'd	Matrix Test Code	Lab Test Comments	Hold MS SEL Storage
F1131-05F	ASW	08/14/2007 10:30 08/15/2007	Aqueous SW6010B_W	Fe, Mn, Cu (Dissolved)	□ □ ✔ M5
F1131-05G	ASW	08/14/2007 10:30 08/15/2007	Aqueous SM4500_TKN_W		
F1131-06A	VEW1	08/14/2007 11:00 08/15/2007	Aqueous SW8260B_W		AOV
F1131-06B	VEW1	08/14/2007 11:00 08/15/2007	Aqueous E415.1_TOC_W		
F1131-06C	VEW1	08/14/2007 11:00 08/15/2007	Aqueous SW8270C_W		HFLOO
F1131-06D	VEW1	08/14/2007 11:00 08/15/2007	Aqueous E300IC_W SM2320 W	CL, P	
F1131-06E	VEW1	08/14/2007 11:00 08/15/2007	Aqueous SW6010B_W	Fe, Mn, Cu	
F1131-06F	VEW1	08/14/2007 11:00 08/15/2007	Aqueous FILTER_I_PR		
				Fe, Mn, Cu (Dissolved)	MS 2 [ 2 [ 2 ]
F1131-06G	VEW1	08/14/2007 11:00 08/15/2007	Aqueous SM4500_TKN_W		U U 14
Client Rep:	Shirley S Ng			Page	5 of 11

Mitken	<b>Mitkem Corporation</b>	I	15/Aug/07 15:25	Work	WorkOrder: F1131
Client ID: Project: Location: Comments:	Client ID: EARTH_NY Project: Korkay Inc Location: Comments: N/A		Case: SDG: PO: 99165	Rep	Report Level: ASP-A EDD: HC Due: 08/31/07 Fax Due:
Sample ID	HS Client Sample ID	Collection Date Date Recv'd	Matrix Test Code	Lab Test Comments	Hold MS SEL Storage
F1131-07A	VEW4	08/14/2007 11:30 08/15/2007	Aqueous SW8260B_W		AOA
F1131-07B	VEW4	08/14/2007 11:30 08/15/2007	Aqueous E415.1_TOC_W		
F1131-07C	VEW4	08/14/2007 11:30 08/15/2007	Aqueous SW8270C_W		
F1131-07D	VEW4	08/14/2007 11:30 08/15/2007	Aqueous E300IC_W SM2320 W	CL, P	
F1131-07E	VEW4	08/14/2007 11:30 08/15/2007	Aqueous SW6010B_W	Fe, Mn, Cu	
F1131-07F	VEW4	08/14/2007 11:30 08/15/2007	Aqueous FILTER_I_PR SW6010B_W	Fe, Mn, Cu (Dissolved)	M5 M5 M5
F1131-07G	VEW4	08/14/2007 11:30 08/15/2007	Aqueous SM4500_TKN_W		I I4
F1131-08A	K-2	08/14/2007 12:30 08/15/2007	Aqueous SW8260B_W		VOA
Client Rep:	Shirley S Ng			Page	6 of 11

Mitkem	Mitkem Corporation	15/	15/Aug/07 15:25	Work(	WorkOrder: F1131
Client ID: Project: Location:	Client ID: EARTH_NY Project: Korkay Inc Location:		Case: SDG: PO: 99165	Repo	Report Level: ASP-A EDD: HC Due: 08/31/07
Comme	Comments: N/A			H	Fax Due:
Sample ID	HS Client Sample ID	Collection Date Date Recv'd M	Matrix Test Code	Lab Test Comments	Hold MS SEL Storage
F1131-08B	K-2	08/14/2007 12:30 08/15/2007 A	Aqueous E415.1_TOC_W		□ □ 03
F1131-08C	K-2	08/14/2007 12:30 08/15/2007 A	Aqueous SW8270C_W		HFLOO
F1131-08D	K-2	08/14/2007 12:30 08/15/2007 A	Aqueous E300IC_W SM2320_W	CL, P	
F1131-08E	K-2	08/14/2007 12:30 08/15/2007 A	Aqueous SW6010B_W	Fe, Mn, Cu	□ <b>☑</b> M5
F1131-08F	K-2	08/14/2007 12:30 08/15/2007 A	Aqueous FILTER_I_PR SW6010B_W	Fe, Mn, Cu (Dissolved)	M5 M5
F1131-08G	K-2	08/14/2007 12:30 08/15/2007 A	Aqueous SM4500_TKN_W		□ □ □ 14
F1131-09A	K-4	08/14/2007 13:30 08/15/2007 A	Aqueous SW8260B_W		VOV
F1131-10A	MW15S	08/14/2007 14:00 08/15/2007 A	Aqueous SW8260B_W		NOA 🗌 🗌
F1131-10B	MW15S	08/14/2007 14:00 08/15/2007 A	Aqueous E415.1_TOC_W		
Client Rep:	Shirley S Ng			Page	7 of 11

Mitken	Mitkem Corporation	l	15/Aug/07 15:25	Work	WorkOrder: F1131
Client ID: Project: Location: Comments:	Client ID: EARTH_NY Project: Korkay Inc Location: Comments: N/A		Case: SDG: PO: 99165	Rep	Report Level: ASP-A EDD: HC Due: 08/31/07 Fax Due:
Sample ID	HS Client Sample ID	Collection Date Date Recv'd	Matrix Test Code	Lab Test Comments	Hold MS SEL Storage
F1131-10C	MW15S	08/14/2007 14:00 08/15/2007	Aqueous SW8270C_W		HFLOO
F1131-10D	MW15S	08/14/2007 14:00 08/15/2007	Aqueous E300IC_W SM2320_W	CL, P	
F1131-10E	MW15S	08/14/2007 14:00 08/15/2007	Aqueous SW6010B_W	Fe, Mn, Cu	□ <b>√</b> W5
F1131-10F	MW15S	08/14/2007 14:00 08/15/2007	Aqueous FILTER I PR	×	□ □ M5
F1131-10G	MW15S	08/14/2007 14:00 08/15/2007	SW6010B_W Aqueous SM4500_TKN_W	Fe, Mn, Cu (Dissolved)	MS 14
F1131-11A	MW15D	08/14/2007 14:30 08/15/2007	Aqueous SW8260B_W		D VOA
F1131-11B	MW15D	08/14/2007 14:30 08/15/2007	Aqueous E415.1_TOC_W		
F1131-11C	MW15D	08/14/2007 14:30 08/15/2007	Aqueous SW8270C_W		HFLOO
Client Rep:	Shirley S Ng			Page	e 8 of 11

Mitkem	Mitkem Corporation	15/Aug/07 15:25	WorkOrder: F1131	1131
Client ID: EAR Project: Korl Location: Comments: N/A	Client ID: EARTH_NY Project: Korkay Inc Location: omments: N/A	Case: SDG: PO: 99165	Report Level: ASF EDD: HC Due: 08/5 Fax Due:	ASP-A 08/31/07
Sample ID	HS Client Sample ID	Collection Date Date Recv'd Matrix Test Code	Lab Test Comments Hold MS S	SEL Storage
F1131-11D	MW15D	08/14/2007 14:30 08/15/2007 Aqueous E3001C_W		H H3
		SM2320_W		□ H3
F1131-11E	MW15D	08/14/2007 14:30 08/15/2007 Aqueous SW6010B_W	Fe, Mn, Cu	<b>M</b> 5
F1131-11F	MW15D	08/14/2007 14:30 08/15/2007 Aqueous FILTER_I_PR		□ M5
		SW6010B_W	Fe, Mn, Cu (Dissolved)	M5
F1131-11G	MW15D	08/14/2007 14:30 08/15/2007 Aqueous SM4500_TKN_W		[] I4
F1131-12A	K13	08/14/2007 16:00 08/15/2007 Aqueous SW8260B_W		D VOA
F1131-12B	K13	08/14/2007 16:00 08/15/2007 Aqueous E415.1_TOC_W		G2
F1131-12C	K13	08/14/2007 16:00 08/15/2007 Aqueous SW8270C_W		HFLOO
F1131-12D	K13	08/14/2007 16:00 08/15/2007 Aqueous E300IC_W	CL, P	H3
		SM2320_W		□ H3
Client Rep:	Shirley S Ng		Page 9 of 11	

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Mitkem	Mitkem Corporation		1:	5/Aug/(	15/Aug/07 15:25	Work(	WorkOrder: F1131
Client ID: EAR Project: Korl Location: Comments: N/A	Client ID: EARTH_NY Project: Korkay Inc Location: omments: N/A			Case: SDG: PO:	ase: DG: PO: 99165	Repo	Report Level: ASP-A EDD: HC Due: 08/31/07 Fax Due:
Sample ID	HS Client Sample ID	Collection Date Da	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold MS SEL Storage
F1131-12E	K13	08/14/2007 16:00 08/1	/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	□ □ <b>✓</b> M5
F1131-12F	K13	08/14/2007 16:00 08/1	/15/2007	Aqueous	FILTER_I_PR		□ □ M5
					SW6010B_W	Fe, Mn, Cu (Dissolved)	□ <b>V</b> W5
F1131-12G	K13	08/14/2007 16:00 08/1	/15/2007	Aqueous	SM4500_TKN_W		I I
F1131-13A	FLUSHMOUNT	08/14/2007 17:00 08/1	/15/2007	Aqueous	SW8260B_W		NOA 🗌
F1131-13B	FLUSHMOUNT	08/14/2007 17:00 08/1	/15/2007	Aqueous	E415.1_TOC_W		
F1131-13C	FLUSHMOUNT	08/14/2007 17:00 08/1	/15/2007	Aqueous	SW8270C_W		HFLOO
F1131-13D	FLUSHMOUNT	08/14/2007 17:00 08/1	/15/2007	Aqueous	E300IC_W	CL, P	
					SM2320_W		H3
F1131-13E	FLUSHMOUNT	08/14/2007 17:00 08/15/2007	/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	MS MS
F1131-13F	FLUSHMOUNT	08/14/2007 17:00 08/1	/15/2007	Aqueous	FILTER_I_PR		0 M5
Client Rep:	Shirley S Ng					Page	10 of 11

Mitken	Mitkem Corporation	15/4	15/Aug/07 15:25	WorkC	WorkOrder: F1131
Client JD: Project: Location: Comments:	Client ID: EARTH_NY Project: Korkay Inc Location: Comments: N/A		Case: SDG: PO: 99165	Repor	Report Level: ASP-A EDD: HC Due: 08/31/07 Fax Due:
Sample ID	HS Client Sample ID	Collection Date Date Recv'd Ma	Matrix Test Code	Lab Test Comments	Hold MS SEL Storage
F1131-13F	FLUSHMOUNT	08/14/2007 17:00 08/15/2007 Aq	Aqueous SW6010B_W	Fe, Mn, Cu (Dissolved)	<b>M</b> S
F1131-13G	FLUSHMOUNT	08/14/2007 17:00 08/15/2007 Aq	Aqueous SM4500_TKN_W		I I
F1131-14A	TB081407	08/14/2007 7:00 08/15/2007 Aq	Aqueous SW8260B_W		NOA
	·				

Client Rep: Shirley S Ng

Page 11 of 11

Sample Transmittal Documentation

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MITKEM	CORPORATION

175 Metro Center Boulevard
Warwick, Rhode Island 02886-1755
(401) 732-3400 • Fax (401) 732-3499
email: mitkem@mitkem.com

# **CHAIN-OF-CUSTODY RECORD**

Page L of **X** 

I. T. NC     PHONE     PHONE     PSY-23C0     NAME       Ann.     B(Vd.     RAX     95Y-23C0     NAME       Ann.     B(Vd.     ADDRESS     ADDRESS       N. U     12.110     CITY/ST/2IP       N. U     12.110     CITY/ST/2IP       N. U     12.110     CITY/ST/2IP       OTHER     001     10       So     V     03       So     V     03       So     V     03       So     V     14       So     10     10       So     14     10       So     14     10       So     14     10       So     14     10       So     10     10       So     11     10       DATE/INE     03     03       DATE/INE     ADDE/INE	PHONE LAB PROJECT #	FAX TIGI	TURNAROUND TIME			0>	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)										V JND S DNL V			DATE/TIME ADDITIONAL REMARKS: COCER TEMP:			
COMPOSITIE CALENT PROJECT # CALENT PROJECT #	353	300	ADDRESS				# OF CONTAINERS		/ 10 /			Ч				8	5 5		11 10	ACCEPTED BY	,	PTONING CREEKEN 01	a fueder
DBBY 11/1 / 1/1 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 / 1/2 /			B	NY 12	CLIENT PROJECT #:	6016S	GRAB WATER SOIL	0010	×,	1 2900 1 1	>	10930 1 1	1030 11	1100 1/1	7	2	7	~	1430 1 1		1 1/1×1 1200 1	2	

MITKEM	CORPORATION

175 Metro Center Boulevard Warwick, Rhode Island 02886-1755 (401) 732-3400 • Fax (401) 732-3499 email: mitkem@mitkem.com

# CHAIN-OF-CUSTODY RECORD

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Ŭ	COMPANY Farth T	Tech, INC	t)		- Id	HONE	951	PHONE 951-2353	COMPANY	λλ							PHONE	Ш		<u> </u>	LAB PROJECT #:
Z	NAME LON!	Hoose			E/	FAX ¢	951-	2300	NAME								FAX				F//31
A	ADDRESS 40 Brit	لر چ ک	Am.	B	3lvd.				ADDRESS	SS							-			E	TURNAROUND TIME:
U U	CITY/ST/ZIP Lat	2 Aur	NY	2	2110	0			CITY/ST/ZIP	T/ZIP											·
J ひ			CLIENT PROJECT #:	PRO.	IECT #:		C	CLIENT P.O.#:	   								6	9			
	Korkay -	H	55	59166	μ								3	5	REQ	UESTE	Shu Change	270			
	SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	MATER	TIOS	OTHER	LAB ID	# OF CONTAINERS	4	101 22	123W 200 200 201 201 201 201 201 201 201 201	200 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	N X X L S 1 N L B 1 N L	30 57 July	1 10 10 10 1 10 1 10 1 10 10 10 10 10 10	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				COMMENTS
X	Korkoe, K13	8/14/071600	<u>«</u>					12	0	<b>`</b>	2	>	5	5	5			-			
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민건	TSF# RELINQUISHED BY	ISHED BY		DATE/TIME	IME			ACCE	ACCEPTED BY				DATE/TIME	TIME	V	DITIO	ADDITIONAL REMARKS:	IARKS:	-		COOLER TEMP:
	Wesley ?	Landle	BING	2	02/1800		Vere	tortree	Baudy	Sear		8/15	15/27/ 5100	940	0						U 3
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				/									<b>`</b>								
			WHITI	E: LAI	WHITE: LABORATORY COPY	ORY C	COPY		YELLOW: REPORT COPY	<u>[</u> : REPOI	RT COI	Y		Id	NK: CI	PINK: CLIENT'S COPY	сорү				

# **MITKEM CORPORATION**

Sample Condition Form

Page \_\_\_\_ of \_\_\_\_

	Reviewed By	DKP		Date 8	11510	2_мітк	EM Workc	order #:	
Client Project: Kor K	eytnc.			Client:		+17			Soil Headspac
	,	Lob Com				vation (p		VOA	or Air Bubble
1) Cooler Seeled (V-)	М	Lab Sam		HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	HCI	NaOH	Matrix	<u>&gt;</u> 1/4"
1) Cooler Sealed (Yes)/	NO	F1131	01			·	ļ	+1	
			02						
<ol><li>Custody Seal(s)</li></ol>	Presen) / Absent		03			,			
	Coolers / Bottles		04			,		at which a point of the	
	(Intact)/ Broken	an kinone	05						
	$\bigcirc$	and the second se	06						
3) Custody Seal Number(s)	NZA		07			+			
			OY						
			09		<u> </u>				
						<u> </u>			
			10			( T.)			
			11						
4) Chain-of-Custody	Present / Absent		12						
	4.1.0.	<u> </u>	13					$\checkmark$	
5) Cooler Temperature	<u> </u>	F1131	M					H	
Coolant Condition	ICE								
6) Airbill(s)	Present / Absent								
Airbill Number(s)	FedEx								/
• •	7955 0187 284		·					-A	······································
	7955 2187 284	<u>()</u>						-	
	7955 0187 2822	ł			. <u> </u>		/		
- 	7955 0187 28357								
	8596 5166 1087								
) Sample Bottles	IntacyBroken/Leaking								
	, , <u> </u>								
) Date Received	8/15/07								
					/	· · · · · ·	<u> </u>		
) Time Received	9:00						latrix Key		
reservative Name/Lot No:	F		$ \rightarrow +$				npreserve		<b>A =</b> Air
	-	/	-+				npreserve	•	H = HCI
		-/-				M= Me			E = Encore
	-					N = Nal	HSO4		= Freeze
	Ľ								
See Sample Condi	tion Notification/Correctiv	e Action Fo	m ve	s / no					
			in yea	57 110		Rad OK	yes/ no		

# MITKEM Corporation

\* Volatiles \*

		VOLATILE	1A ORGANICS ANALYSIS	s data si	HEET	EPA SAMPLE NO.	
	Lab Na	me: MITKEM COR	PORATION	Contract	:	ASW	
	Lab Co	de: MITKEM	Case No.:	SAS No	.: SDG	No.: MF1131	
	Matrix	: (soil/water)	WATER		Lab Sample ID:	F1131-05A	
	Sample	wt/vol:	5.000 (g/mL) ML		Lab File ID:	V5H9880	
	Level:	(low/med)	LOW		Date Received:	08/15/07	
	% Mois	ture: not dec.			Date Analyzed:	08/25/07	
	GC Col	umn: DB-624	ID: 0.25 (mm)		Dilution Facto	r: 1.0	
	Soil E	xtract Volume:	(uL)		Soil Aliquot V	olume:(uL	)
e Name i marci	~ •	CAS NO.	COMPOUND		VIRATION UNITS: or ug/Kg) UG/L	Q	
		74-87-37 75-01-47 75-00-37 75-69-47 75-35-47 75-35-477 75-15-077 75-09-277 156-60-577 1634-04-4-77 75-34-377 1634-04-4-77 75-34-3-777 108-05-4-777 78-93-3-777 590-20-77-777 74-97-5-7777 563-58-6-777 563-58-6-777 563-58-6-777 563-58-6-777 563-58-6-777 563-58-6-777 563-58-6-777 71-43-2-777 71-43-2-777 71-43-2-7777 74-95-3-7777 75-27-4-7777 108-10-1-77777 108-88-3-77777	Iodomethane Carbon Disulfic Methylene Chlor trans-1,2-Dichl Methyl tert-but 1,1-Dichloroeth Vinyl acetate 2-Butanone cis-1,2-Dichloropro Bromochlorometh Chloroform 1,1,1-Trichloroc Carbon Tetrachl 1,2-Dichloropro Benzene Trichloroethene 1,2-Dichloropro Benzene Trichloroethene Dibromomethane Bromodichlorome cis-1,3-Dichlor	methane hene le cide oroether yl ether hane pane bane oride hane opene hane opene hane coride hane bane opene hane		5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5	

FORM I VOA

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### 1A EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET ASW Lab Name: MITKEM CORPORATION Contract: Case No.: Lab Code: MITKEM SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-05A Sample wt/vol: 5.000 (q/mL) ML Lab File ID: V5H9880 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: not dec. Date Analyzed: 08/25/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 142-28-9-----1,3-Dichloropropane 5 U 127-18-4-----Tetrachloroethene 5 U 5 5 591-78-6----2-Hexanone U 124-48-1----Dibromochloromethane U 106-93-4----1,2-Dibromoethane 5 U 108-90-7-----Chlorobenzene 5 U 630-20-6-----1,1,1,2-Tetrachloroethane 5 U 100-41-4----Ethylbenzene 220 Ε -----m,p-Xylene 990 E 500 E

	m,p Myrene	
95-47-6		
	-Xylene (Total)	
100-42-5	-Styrene	
75-25-2		
98-82-8	-Isopropylbenzene	
	-1,1,2,2-Tetrachloroethane	
108-86-1		
96-18-4	-1,2,3-Trichloropropane	
103-65-1	-n-Propylbenzene	
95-49-8	-2-Chlorotoluene	
108-67-8	-1,3,5-Trimethylbenzene	
	-4-Chlorotoluene	
	-tert-Butylbenzene	
95-63-6	-1,2,4-Trimethylbenzene	
	-sec-Butylbenzene	
99-87-6	-4-Isopropyltoluene	
	-1,3-Dichlorobenzene	
	-1,4-Dichlorobenzene	
	-n-Butylbenzene	
95-50-1	-1,2-Dichlorobenzene	
96-12-8	-1,2-Dibromo-3-chloropropane	
	-1,2,4-Trichlorobenzene	
	-Hexachlorobutadiene	
91-20-3	-Naphthalene	

87-61-6-----1,2,3-Trichlorobenzene

## FORM I VOA

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS	DATA SHEET
Lab Name: MITKEM CORPORATION Con	ASWDL
	SAS No.: SDG No.: MF1131
Matrix: (soil/water) WATER	Lab Sample ID: F1131-05ADL
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V2J9217
Level: (low/med) LOW	Date Received: 08/15/07
% Moisture: not dec.	Date Analyzed: 08/27/07
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
75-71-8Dichlorodifluoror         74-87-3Chloromethane         75-01-4Vinyl Chloride         74-83-9Bromomethane         75-00-3Chloroethane         75-69-4Chloroethane         75-35-41,1-Dichloroether         67-64-1Acetone         74-88-4Iodomethane         75-15-0Carbon Disulfide         75-09-2Methylene Chlorid         156-60-5Trans-1,2-Dichlor         1634-04-4Methyl tert-butyl         75-34-31,1-Dichloroethar         108-05-4Vinyl acetate         78-93-32-Butanone         156-59-2	25       U         26       U         27       U         28       U         29       U         20       U         21       25         22       U         25       U         25 <t< td=""></t<>

	2-Butanone	25	U
156-59-2	cis-1,2-Dichloroethene	40	D
590-20-7	2,2-Dichloropropane	25	υ
74-97-5	Bromochloromethane	25	U
67-66-3	Chloroform	25	U
71-55-6	1,1,1-Trichloroethane	25	U
563-58-6	1,1-Dichloropropene	25	U
56-23-5	Carbon Tetrachloride	25	U
107-06-2	1,2-Dichloroethane	25	U
71-43-2	Benzene	25	U
	Trichloroethene	25	U
78-87-5	1,2-Dichloropropane	25	ט
74-95-3	Dibromomethane	25	U
75-27-4	Bromodichloromethane	25	ប
10061-01-5	cis-1,3-Dichloropropene	25	U
108-10-1	4-Methyl-2-pentanone	25	ט
108-88-3	Toluene	8	DJ
10061-02-6	trans-1,3-Dichloropropene	25	ט
79-00-5	1,1,2-Trichloroethane	25	ט

## FORM I VOA

VOLATILE ORGAN.	ICS ANALYSIS DATA S	SHEET.		
Lab Name: MITKEM CORPORATIO	ON Contract	:	ASWI	)T
Lab Code: MITKEM Case No	o.: SAS No	SDC SDC	S No.: MF	1131
Matrix: (soil/water) WATER		Lab Sample ID:	F1131-0	5ADL
Sample wt/vol: 5.000	(g/mL) ML	Lab File ID:	V2J9217	
Level: (low/med) LOW		Date Received:	08/15/0	7
% Moisture: not dec		Date Analyzed:	08/27/0	7
GC Column: DB-624 ID: 0.	.25 (mm)	Dilution Facto	or: 5.0	
Soil Extract Volume:	(uL)	Soil Aliquot V	olume:	(uL)
CAS NO. COME		NTRATION UNITS: or ug/Kg) UG/I		2
142-28-91,3- 127-18-4Tetr 591-78-62-He 124-48-1Dibr 106-93-41,2- 108-90-7Chlo 630-20-61,1, 100-41-4Ethy m,p- 95-47-60-Xy	rachloroethene exanone romochloromethane Dibromoethane probenzene 1,2-Tetrachloroeth /lbenzene -Xylene	ane	25 U 10 DJE 25 U 25 U 25 U 25 U 25 U 25 U 65 D 320 D 210 D	3

	030-20-6I,I,I,Z-TELIACIIIOIOELIIAIIE_	25	0
	100-41-4Ethylbenzene	65	D
	m,p-Xylene	320	D
	95-47-6o-Xylene	210	D
	1330-20-7Xylene (Total)	540	D
	100-42-5Styrene	25	U
	75-25-2Bromoform	25	U
	98-82-8Isopropylbenzene		DJ
	79-34-51,1,2,2-Tetrachloroethane	25	U
	108-86-1Bromobenzene	25	U
	96-18-41,2,3-Trichloropropane	25	U
	103-65-1n-Propylbenzene	8	DJ
l	95-49-82-Chlorotoluene	25	U
	108-67-81,3,5-Trimethylbenzene		D
	106-43-44-Chlorotoluene	25	U
	98-06-6tert-Butylbenzene	25	U
	95-63-61,2,4-Trimethylbenzene	130	D
	135-98-8sec-Butylbenzene	25	U
	99-87-64-Isopropyltoluene	25	U
	541-73-11,3-Dichlorobenzene	25	U
	106-46-71,4-Dichlorobenzene	25	U
	104-51-8n-Butylbenzene	7	DJ
	95-50-11,2-Dichlorobenzene	6	DJ
	96-12-81,2-Dibromo-3-chloropropane	25	U
	120-82-11,2,4-Trichlorobenzene	25	U
ł	87-68-3Hexachlorobutadiene	25	U
	91-20-3Naphthalene	58	DB
	87-61-61,2,3-Trichlorobenzene	25	U

## FORM I VOA

1A VOLATILE ORGANICS ANALYSIS DATA SHEET	EPA SAMPLE NO.
Lab Name: MITKEM CORPORATION Contract:	FLUSHMOUNT
Lab Code: MITKEM Case No.: SAS No.: SI	DG No.: MF1131
Matrix: (soil/water) WATER Lab Sample II	D: F1131-13A
Sample wt/vol: 5.000 (g/mL) ML Lab File ID:	V5H9888
Level: (low/med) LOW Date Received	<b>1:</b> 08/15/07
% Moisture: not dec Date Analyzed	d: 08/25/07
GC Column: DB-624 ID: 0.25 (mm) Dilution Fact	cor: 1.0
Soil Extract Volume: (uL) Soil Aliquot	Volume:(uL)
CONCENTRATION UNITS CAS NO. COMPOUND (ug/L or ug/Kg) UG/	
75-71-8Chloromethane $74-87-3Chloromethane$ $75-01-4Chloromethane$ $75-01-4$	5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5

FORM I VOA

VOLATILE	ORGANICS ANALYSIS	DATA SHEET			
Lab Name: MITKEM COF	PORATION	Contract:	FLU	JSHMOUNT	
Lab Code: MITKEM			DG No.:	MF1131	1
Matrix: (soil/water)	WATER	Lab Sample I	D: F113	1-13A	
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5H9	888	
Level: (low/med)	LOW	Date Receive	d: 08/1	.5/07	
% Moisture: not dec.		Date Analyze	d: 08/2	5/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fac	tor: 1.	0	
Soil Extract Volume:	(uL)	Soil Aliquot	Volume	:	(uL)
CAS NO.	COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg) UG		Q	
$\begin{array}{c} 127-18-4\\ 591-78-6\\ 124-48-1\\ 106-93-4\\ 108-90-7\\ 630-20-6\\ 100-41-4\\\\ 1330-20-7\\ 100-42-5\\ 95-47-6\\ 75-25-2\\ 98-82-8\\ 98-82-8\\ 98-82-8\\ 108-86-1\\ 98-86-1\\ 96-18-4\\ 108-67-8\\ 95-49-8\\ 108-67-8\\ 95-49-8\\ 108-67-8\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 99-87-6\\ 541-73-1\\ 106-46-7\\ 104-51-8\\ 95-50-1\\ 95-50-1\\ 95-50-1\\ 95-50-1\\ 95-50-1\\ 95-50-1\\ 95-50-1\\ 95-50-1\\ 95-68-3\\ 91-20-3\end{array}$	Xylene (Total)_ Styrene	ne loroethane e loroethane e propane benzene e benzene e zene zene zene zene iene	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		

FORM I VOA

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VOLATILE	ORGANICS	ANALYSIS	DATA	SHEET

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Lab Name: MITKEM CORPORATION Co	NTTACT:	
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1131	
Matrix: (soil/water) WATER	Lab Sample ID: F1131-08A	
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V2J9223	
Level: (low/med) LOW	Date Received: 08/15/07	
% Moisture: not dec.	Date Analyzed: 08/27/07	
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	

75-71-8Dichlorodifluoromethane	C C	א ש
74-87-3Chloromethane		5 U
75-01-4Vinyl Chloride	-	5 U
74-83-9Bromomethane		5 U
75-00-3Chloroethane	-	5 U
75-69-4Trichlorofluoromethane	-  5	5 U
75-35-41,1-Dichloroethene	-	5 U
67-64-1Acetone	-	ן ש
74-88-4Iodomethane	- 5	
75-15-0Carbon Disulfide	- 5	5 U
75-09-2Methylene Chloride	-	ן ש
156-60-5trans-1,2-Dichloroethene	-	ן ש 3
1634-04-4Methyl tert-butyl ether	-	5 U
75-34-31,1-Dichloroethane	- 5	ן ש
108-05-4Vinyl acetate	- 5	5 U
78-93-32-Butanone	-	ס 3
156-59-2cis-1,2-Dichloroethene	- 4	₽ J
590-20-72,2-Dichloropropane		5 U
74-97-5Bromochloromethane	- <u>-</u>	5 U
67-66-3Chloroform		5 U
71-55-61,1,1-Trichloroethane	-	
563-58-61,1-Dichloropropene	-	5 U
56-23-5Carbon Tetrachloride	- 5	5 U
107-06-21,2-Dichloroethane		5 U
71-43-2Benzene	-	
79-01-6Trichloroethene	1	
78-87-51,2-Dichloropropane	5	
74-95-3Dibromomethane	- -	5 U
75-27-4Bromodichloromethane	-	5 U
10061-01-5cis-1,3-Dichloropropene	5	5 U
108-10-14-Methyl-2-pentanone	5	
108-88-3Toluene		
10061-02-6trans-1,3-Dichloropropene	5	
79-00-51,1,2-Trichloroethane	5	5 U
		_

FORM I VOA

## 1A EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET K-2 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-08A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J9223 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: not dec. Date Analyzed: 08/27/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: \_\_\_\_ (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/LQ

FORM I VOA

## 1A TLE ORGANICS ANALYSIS DATA SHEET

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EPA SAMPLE NO.

VOLATILE	ORGANICS ANALYSIS	DATA SHEET			
Lab Name: MITKEM COR	PORATION C	ontract:		K-4	
Lab Code: MITKEM			SDG	No.: MF113	1
Matrix: (soil/water)	WATER	Lab Sa	mple ID:	F1131-09A	
Sample wt/vol:	5.000 (g/mL) ML	Lab Fi	le ID:	V2J9224	
Level: (low/med)	LOW	Date R	eceived:	08/15/07	
% Moisture: not dec.		Date A	nalyzed:	08/27/07	
GC Column: DB-624	ID: 0.25 (mm)	Diluti	on Factor.	r: 1.0	
Soil Extract Volume:	(uL)	Soil A	liquot Vo	olume:	(uL)
CAS NO.	COMPOUND	CONCENTRATIO (ug/L or ug/		Q	
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-69-4\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 75-09-2\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 78-93-3\\ 74-97-5\\ 563-58-6\\ 71-55-6\\ 563-58-6\\ 56-23-5\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 74-95-3\\ 74-95-3\\ 75-27-4\\ 108-10-1\\ 108-88-3\\ 10061-02-6\\ \end{array}$	Iodomethane Carbon Disulfide Methylene Chlor: trans-1,2-Dichlor Methyl tert-buty 1,1-Dichloroetha Vinyl acetate 2-Butanone cis-1,2-Dichloroprop Bromochlorometha Chloroform 1,1,1-Trichloroetha 1,2-Dichloroprop Benzene Trichloroethene 1,2-Dichloroprop Benzene Trichloroethene 1,2-Dichloroprop Benzene Trichloroethene 1,2-Dichloroprop Dibromomethane Bromodichlorometane Cis-1,3-Dichloroethene Cis-1,3-Dichloroethene	methane ene ide oroethene yl ether ane oethene pane ane ethane pene oride ane oane thane pone pone oride ane		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

FORM I VOA

## 1A EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET K-4 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-09A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J9224 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: not dec. Date Analyzed: 08/27/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: \_\_\_\_\_(uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 142-28-9-----1,3-Dichloropropane 5 U

91-20-3Naphthalene 8 B	$\begin{array}{c} 591-78-6\\ 124-48-1\\ 106-93-4\\ 108-90-7\\ 630-20-6\\ 130-20-6\\ 1330-20-7\\ 100-42-5\\ 100-42-5\\ 75-25-2\\ 98-82-8\\ 98-82-8\\ 108-86-1\\ 98-86-1\\ 96-18-4\\ 108-65-1\\ 96-18-4\\ 108-67-8\\ 108-67-8\\ 95-49-8\\ 108-67-8\\ 95-49-8\\ 108-67-8\\ 95-63-6\\ 95-63-6\\ 99-87-6\\ 104-51-8\\ 95-50-1\\ 96-12-8\\ 120-82-1\\ 87-68-3\\ \end{array}$	<ul> <li>-Dibromochloromethane</li> <li>-1,2-Dibromoethane</li> <li>-Chlorobenzene</li> <li>-1,1,1,2-Tetrachloroethane</li> <li>-Ethylbenzene</li> <li>-m,p-Xylene</li> <li>-o-Xylene</li> <li>-Styrene</li> <li>-Styrene</li> <li>-Bromoform</li> <li>-Isopropylbenzene</li> <li>-1,1,2,2-Tetrachloroethane</li> <li>-Bromobenzene</li> <li>-1,2,3-Trichloropropane</li> <li>-n-Propylbenzene</li> <li>-2-Chlorotoluene</li> <li>-1,3,5-Trimethylbenzene</li> <li>-4-Chlorotoluene</li> <li>-1,2,4-Trimethylbenzene</li> <li>-1,2-Dichlorobenzene</li> <li>-1,2-Dichlorobenzene</li> <li>-1,2-Dibromo-3-chloropropane</li> <li>-Hexachlorobutadiene</li> </ul>	2 5 5 5 5 13 16 30 46 5 5 4 5 5 4 5 5 4 5 5 4 5 5 5 6 0 6 2 5 5 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	U U U U U U U U U U U U U U U U U U U
87-61-61,2,3-Trichlorobenzene5U	96-12-8 120-82-1 87-68-3 91-20-3	1,2-Dibromo-3-chloropropane_ 1,2,4-Trichlorobenzene Hexachlorobutadiene Naphthalene	5 5 8	U U B

### 1A EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET K13 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-12A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9887 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: not dec. Date Analyzed: 08/25/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q 5 U 75-71-8-----Dichlorodifluoromethane 74-87-3-----Chloromethane 5 U 75-01-4-----Vinyl Chloride\_ 74-83-9-----Bromomethane\_\_\_\_ 5 U 5 U 75-00-3-----Chloroethane 75-69-4-----Trichlorofluoromethane 5 U 5 U Ũ U U U

	-	-
75-35-41,1-Dichloroethene	5	Ũ
67-64-1Acetone	5	U
74-88-4Iodomethane	5	U
75-15-0Carbon Disulfide	5	บ
75-09-2Methylene Chloride	5	U
156-60-5trans-1,2-Dichloroethene	5	U
1634-04-4Methyl tert-butyl ether	5	U
75-34-31,1-Dichloroethane	5	υ
108-05-4Vinyl acetate	5	U
78-93-32-Butanone	5	U
156-59-2cis-1,2-Dichloroethene	5	U
590-20-72,2-Dichloropropane	5	U
74-97-5Bromochloromethane	5	U
67-66-3Chloroform	5	U
71-55-61,1,1-Trichloroethane	5	ប
563-58-61,1-Dichloropropene	5	U
56-23-5Carbon Tetrachloride	5	U
107-06-21,2-Dichloroethane	5	U
71-43-2Benzene	5	U
79-01-6Trichloroethene	5	U
78-87-51,2-Dichloropropane	5	U
74-95-3Dibromomethane	5	U
75-27-4Bromodichloromethane	5	U
10061-01-5cis-1,3-Dichloropropene	5	U
108-10-14-Methyl-2-pentanone	5	U
108-88-3Toluene	5	
10061-02-6trans-1,3-Dichloropropene	5	U
79-00-51,1,2-Trichloroethane	5	U
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## FORM I VOA

### EPA SAMPLE NO. 1A VOLATILE ORGANICS ANALYSIS DATA SHEET K13 Lab Name: MITKEM CORPORATION Contract: SDG No.: MF1131 Lab Code: MITKEM SAS No.: Case No.: Lab Sample ID: F1131-12A Matrix: (soil/water) WATER Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9887 (low/med) LOW Date Received: 08/15/07 Level: % Moisture: not dec. Date Analyzed: 08/25/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L 0 142-28-9-----1,3-Dichloropropane 5 U 5 5 127-18-4-----Tetrachloroethene U 591-78-6----2-Hexanone U 5 124-48-1-----Dibromochloromethane U 5 106-93-4-----1,2-Dibromoethane U 5 108-90-7----Chlorobenzene U 630-20-6-----1,1,1,2-Tetrachloroethane 5 U 100-41-4-----Ethylbenzene 5 U -----m,p-Xylene\_\_\_\_\_ 5 U 5 U 5 5 5 1330-20-7-----Xylene (Total) U 100-42-5-----Styrene U 75-25-2----Bromoform 5 U 98-82-8-----Isopropylbenzene 5 U 5 U 5 U 5 U 5 U

79-34-51,1,2,2-Tetrachloroethane
108-86-1Bromobenzene
96-18-41,2,3-Trichloropropane
103-65-1n-Propylbenzene
95-49-82-Chlorotoluene
108-67-81,3,5-Trimethylbenzene
106-43-44-Chlorotoluene
98-06-6tert-Butylbenzene
95-63-61,2,4-Trimethylbenzene
135-98-8sec-Butylbenzene
99-87-64-Isopropyltoluene
541-73-11,3-Dichlorobenzene
106-46-71,4-Dichlorobenzene
104-51-8n-Butylbenzene
95-50-11,2-Dichlorobenzene
96-12-81,2-Dibromo-3-chloropropane
120-82-11,2,4-Trichlorobenzene
87-68-3Hexachlorobutadiene
91-20-3Naphthalene
87-61-61,2,3-Trichlorobenzene

OLM03.0

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VOLATILE ORGANICS ANALYSIS DATA SHEET MW15D Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-11A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9886 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: not dec. Date Analyzed: 08/25/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (uq/L or uq/Kq) UG/L0 75-71-8-----Dichlorodifluoromethane 5 U 74-87-3-----Chloromethane 5 U 75-01-4-----Vinyl Chloride 5 U 5 74-83-9----Bromomethane U 5 5 75-00-3-----Chloroethane U 75-69-4-----Trichlorofluoromethane IJ 5 75-35-4-----1,1-Dichloroethene <sup>-</sup> U 67-64-1-----Acetone 5 U 5 74-88-4----Iodomethane U 5 U 75-15-0-----Carbon Disulfide 5 U 75-09-2-----Methylene Chloride 5 U 156-60-5-----trans-1, 2-Dichloroethene 1634-04-4-----Methyl tert-butyl ether 5 U 75-34-3-----1,1-Dichloroethane 5 5 5 U 108-05-4-----Vinyl acetate U 78-93-3----2-Butanone U 156-59-2----cis-1,2-Dichloroethene 5 U 5 U 590-20-7-----2,2-Dichloropropane 5 5 74-97-5-----Bromochloromethane U 67-66-3-----Chloroform U 5 U 71-55-6-----1,1,1-Trichloroethane 5 563-58-6-----1,1-Dichloropropene U 5 5 5 56-23-5-----Carbon Tetrachloride U 107-06-2----1,2-Dichloroethane U 71-43-2----Benzene U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 79-01-6-----Trichloroethene 78-87-5-----1,2-Dichloropropane 74-95-3-----Dibromomethane 75-27-4-----Bromodichloromethane 10061-01-5----cis-1,3-Dichloropropene

FORM I VOA

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

79-00-5-----1,1,2-Trichloroethane

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

108-88-3-----Toluene

OLM03.0

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5 U

U

5 U

5 U

### EPA SAMPLE NO. 1A VOLATILE ORGANICS ANALYSIS DATA SHEET MW15D Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-11A Sample wt/vol: 5.000 (q/mL) ML Lab File ID: V5H9886 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: not dec. Date Analyzed: 08/25/07 Dilution Factor: 1.0 GC Column: DB-624 ID: 0.25 (mm) Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. (ug/L or ug/Kg) UG/L Q COMPOUND 142-28-9-----1, 3-Dichloropropane 5 U 127-18-4-----Tetrachloroethene 5 U 5 U 591-78-6----2-Hexanone 124-48-1-----Dibromochloromethane 5 U 106-93-4-----1,2-Dibromoethane 5 U 108-90-7-----Chlorobenzene 5 U 630-20-6-----1,1,1,2-Tetrachloroethane 5 U 100-41-4----Ethylbenzene 5 U -----m,p-Xylene\_ 5 U 95-47-6----o-Xylene 5 U 1330-20-7-----Xylene (Total) 5 U 100-42-5----Styrene 5 U 75-25-2-----Bromoform 5 U 98-82-8-----Isopropylbenzene 5 U 79-34-5-----1,1,2,2-Tetrachloroethane 5 U 5 108-86-1----Bromobenzene U 96-18-4-----1,2,3-Trichloropropane 5 U 5 103-65-1----n-Propylbenzene U 95-49-8-----2-Chlorotoluene 5 U 5 108-67-8-----1,3,5-Trimethylbenzene U 106-43-4-----4-Chlorotoluene 5 U 98-06-6-----tert-Butylbenzene 5 U 5 95-63-6-----1,2,4-Trimethylbenzene U 5 U 135-98-8-----sec-Butylbenzene 99-87-6-----4-Isopropyltoluene 5 U

541-73-1-----1,3-Dichlorobenzene

95-50-1-----1,2-Dichlorobenzene

87-68-3-----Hexachlorobutadiene

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

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

87-61-6-----1,2,3-Trichlorobenzene

104-51-8----n-Butylbenzene

91-20-3-----Naphthalene

106-46-7-----1, 4-Dichlorobenzene

OLM03.0

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## 1A EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET MW15S Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-10A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9885 Level: (low/med) Date Received: 08/15/07 LOW % Moisture: not dec. Date Analyzed: 08/25/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_(uL)

CAS NO.

COMPOUND

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

Q

Soil Aliquot Volume: \_\_\_\_ (uL)

75-71-8Dichlorodifluoromethane	5 U
74-87-3Chloromethane	5 U
75-01-4Vinyl Chloride	5 U
74-83-9Bromomethane	5 U
75-00-3Chloroethane	5 U
75-69-4Trichlorofluoromethane	5 U
75-35-41,1-Dichloroethene	5 U
67-64-1Acetone	5 0
74-88-4Iodomethane	5 U
75-15-0Carbon Disulfide	5 U -
75-09-2Methylene Chloride	5 U
156-60-5trans-1,2-Dichloroethene	5 U 5 U
1634-04-4Methyl tert-butyl ether	5 U
75-34-31,1-Dichloroethane	5 U
108-05-4Vinyl acetate	5 U
78-93-32-Butanone	. 5 U
156-59-2cis-1,2-Dichloroethene	5 U .
590-20-72,2-Dichloropropane	5 U
74-97-5Bromochloromethane	5 U
67-66-3Chloroform	5 U
71-55-61,1,1-Trichloroethane	5 U
563-58-61,1-Dichloropropene	5 U
56-23-5Carbon Tetrachloride	5 U ·
107-06-21,2-Dichloroethane	5 U
71-43-2Benzene	5 U.
79-01-6Trichloroethene	5 U 5 U 5 U 5 U
78-87-51,2-Dichloropropane	5 U
74-95-3Dibromomethane	5 U
75-27-4Bromodichloromethane	5 U
10061-01-5cis-1,3-Dichloropropene	5 U ·
108-10-14-Methyl-2-pentanone	5 U
108-88-3Toluene	13
10061-02-6trans-1,3-Dichloropropene	5 U
79-00-51,1,2-Trichloroethane	5 U
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## FORM I VOA

## 1A EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET MW15S Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-10A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9885 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: not dec. Date Analyzed: 08/25/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: \_\_\_\_\_(uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

142-28-91,3-Dichloropropane	5	υ
127-18-4Tetrachloroethene	2	J
591-78-62-Hexanone	25	U
124-48-1Dibromochloromethane	5	Ū
106-93-41,2-Dibromoethane	5	υ I
108-90-7Chlorobenzene		υ I
630-20-61,1,1,2-Tetrachloroethane	55	υ I
100-41-4Ethylbenzene	5	ט ו
m,p-Xylene	5	U
95-47-6o-Xylene	53	J
1330-20-7Xylene (Total)	3	J
100-42-5Styrene	5	ט
75-25-2Bromoform	5	ט ו
98-82-8Isopropylbenzene	5	υ
79-34-51,1,2,2-Tetrachloroethane	5	ן ט
108-86-1Bromobenzene	5	U [
96-18-41,2,3-Trichloropropane	5	ע
103-65-1n-Propylbenzene	5	υ
95-49-82-Chlorotoluene	.5,	U
108-67-81,3,5-Trimethylbenzene	36	
106-43-44-Chlorotoluene	5	ΰ
98-06-6tert-Butylbenzene	5	U
95-63-61,2,4-Trimethylbenzene	45	
135-98-8sec-Butylbenzene	5	
99-87-64-Isopropyltoluene	11	
541-73-11,3-Dichlorobenzene	5	ט ן
106-46-71,4-Dichlorobenzene	5	U
104-51-8n-Butylbenzene	8	
95-50-11,2-Dichlorobenzene	5	U
96-12-81,2-Dibromo-3-chloropropane	5	υ
120-82-11,2,4-Trichlorobenzene	5	ט
87-68-3Hexachlorobutadiene	5	υ
91-20-3Naphthalene	1	J
87-61-61,2,3-Trichlorobenzene	5	U
	[	

## 1A EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET MW8D Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-01A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9876 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: not dec. Date Analyzed: 08/25/07 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

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75-71-8	Dichlorodifluoromethane		5 U
74-87-3	Chloromethane		5 U
	Vinyl Chloride		5 ט
	Bromomethane		5 ט
75-00-3	Chloroethane		5 U
	Trichlorofluoromethane		5 U
75-35-4	1,1-Dichloroethene		5 U
67-64-1		1	5 U
	Iodomethane		5 U
	Carbon Disulfide	a a construction of the second s	5 U
	Methylene Chloride		5 U
	trans-1,2-Dichloroethene		5 U
1634-04-4	Methyl tert-butyl ether		5 U
	1,1-Dichloroethane		5 U
	Vinyl acetate		5 U
78-93-3			5 U
	cis-1,2-Dichloroethene		5 U
590-20-7	2,2-Dichloropropane		5 U
	Bromochloromethane		5 U
67-66-3			5 U 5 U
71-55-6	1,1,1-Trichloroethane		5 U
	1,1-Dichloropropene		5 U
	Carbon Tetrachloride		5 U
	1,2-Dichloroethane		5 U
71-43-2			5 U
	Trichloroethene		5 U 5 U 5 U
	1,2-Dichloropropane		5 U
	Dibromomethane		5 U
	Bromodichloromethane		5 U.
	cis-1,3-Dichloropropene		5 U 5 U 5 U
	4-Methyl-2-pentanone		5 U
108-88-3			5 U
	trans-1,3-Dichloropropene		5 U
79-00-5	1,1,2-Trichloroethane		5 U
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## FORM I VOA

## EPA SAMPLE NO. 1A VOLATILE ORGANICS ANALYSIS DATA SHEET MW8D Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-01A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9876 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: not dec. Date Analyzed: 08/25/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

		· · · · · · · · ·
	_	
142-28-91,3-Dichloropropane	5	U
127-18-4Tetrachloroethene	5	
591-78-62-Hexanone	5 5 5	U
124-48-1Dibromochloromethane	5	U
106-93-41,2-Dibromoethane	5	Ū
108-90-7Chlorobenzene	5 5 5	U
630-20-61,1,1,2-Tetrachloroethane	5	U
100-41-4Ethylbenzene	5	U
m,p-Xylene	5	υ
95-47-6o-Xylene	5	
1330-20-7Xylene (Total)	5	U
100-42-5Styrene	5	U
75-25-2Bromoform	5	U
98-82-8Isopropylbenzene	5 5 5 5 5 5	U .
79-34-51,1,2,2-Tetrachloroethane	5	U
108-86-1Bromobenzene	5	U
96-18-41,2,3-Trichloropropane	5	U -
103-65-1n-Propylbenzene	5	U
95-49-82-Chlorotoluene	5	U
108-67-81,3,5-Trimethylbenzene	5 5 5	U.
106-43-44-Chlorotoluene	5	ע ו
98-06-6tert-Butylbenzene	5	U
95-63-61,2,4-Trimethylbenzene	5	U
135-98-8sec-Butylbenzene	5	U
99-87-64-Isopropyltoluene	5	U
541-73-11,3-Dichlorobenzene	5	U
106-46-71,4-Dichlorobenzene	5	U
104-51-8n-Butylbenzene	5	U
95-50-11,2-Dichlorobenzene	5	υ
96-12-81,2-Dibromo-3-chloropropane	5	U
120-82-11,2,4-Trichlorobenzene	5	Ū
87-68-3Hexachlorobutadiene	5	U
91-20-3Naphthalene	5	U
87-61-61,2,3-Trichlorobenzene	5	U
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## EPA SAMPLE NO. 1A VOLATILE ORGANICS ANALYSIS DATA SHEET MW8S Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-02A Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V5H9877 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: not dec. Date Analyzed: 08/25/07 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: COMPOUND CAS NO. (ug/L or ug/Kg) UG/L Q

	1	· · · · · ·
75-71-8Dichlorodifluoromethane	5	υ
74-87-3Chloromethane	5	υ
75-01-4Vinyl Chloride	5	Ū
74-83-9Bromomethane	5	
75-00-3Chloroethane	5	υ
75-69-4Trichlorofluoromethane	5	
75-35-41,1-Dichloroethene	5	
67-64-1Acetone	5	Ū
74-88-4Iodomethane	5	
75-15-0Carbon Disulfide	5	
75-09-2Methylene Chloride	5	
156-60-5trans-1,2-Dichloroethene	5	
1634-04-4Methyl tert-butyl ether	5	Ū
75-34-31,1-Dichloroethane	5	
108-05-4Vinyl acetate	5	Ū
78-93-32-Butanone	5	υ υ
156-59-2cis-1,2-Dichloroethene	9	
590-20-72,2-Dichloropropane	5	
74-97-5Bromochloromethane	5	υ Ι
67-66-3Chloroform	5	
71-55-61,1,1-Trichloroethane	5	Ū
563-58-61,1-Dichloropropene	5	
56-23-5Carbon Tetrachloride	5	υ
107-06-21,2-Dichloroethane	5	U U
71-43-2Benzene	5	UU U
79-01-6Trichloroethene	5	U
78-87-51,2-Dichloropropane	5	υ
74-95-3Dibromomethane	5	U U
75-27-4Bromodichloromethane	5	υ
10061-01-5cis-1,3-Dichloropropene	5	U U
108-10-14-Methyl-2-pentanone	5	U
108-88-3Toluene	1	
10061-02-6trans-1,3-Dichloropropene	5	
79-00-51,1,2-Trichloroethane	5	U
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FORM I VOA

EPA SAMPLE NO.

VOLATILE	ORGANICS ANALYSIS	DATA SHEET				
Lab Name: MITKEM COR	PORATION Co	ontract:	·		MW8S	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.:	MF1131	
Matrix: (soil/water)	WATER	Lab Sam	ple ID:	F113	1-02A	
Sample wt/vol:	5.000 (g/mL) ML	Lab Fil	e ID:	V5H9	877	
Level: (low/med)	LOW	Date Re	eceived:	08/1	5/07	
% Moisture: not dec.		Date An	alyzed:	08/2	5/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilutic	on Facto	r: 1.	0	
Soil Extract Volume:	(uL)	Soil Al	iquot V	olume	:	(ı
CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K			Q	
$\begin{array}{c} 127-18-4\\ 591-78-6\\ 124-48-1\\ 106-93-4\\ 108-90-7\\ 630-20-6\\ 130-20-6\\ 1330-20-7\\ 100-42-5\\ 1330-20-7\\ 100-42-5\\ 98-82-8\\ 75-25-2\\ 98-82-8\\ 98-82-8\\ 108-86-1\\ 98-86-1\\ 96-18-4\\ 108-65-1\\ 96-18-4\\ 95-49-8\\ 108-67-8\\ 95-49-8\\ 108-67-8\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-63-6\\ 95-50-1\\ 95-50-1\\ 95-50-1\\ 96-12-8\\ 120-82-1\\ 87-68-3\\ 91-20-3\\ \end{array}$	Dibromochloromet 1,2-Dibromoethan Chlorobenzene 1,1,1,2-Tetrachl Ethylbenzene m,p-Xylene o-Xylene Xylene (Total)_ Styrene	he		5 5 5 57 160 120 280 5 5 27	U U U U U U U U U U U U U U U U U U U	

## 1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

			ı —		<u> </u>
Lab Name: MITKEM CO	RPORATION CC	ntract:		MW8SDL	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No	).: MF1131	
Matrix: (soil/water)	) WATER	Lab Samp	le ID: F1	.131-02ADL	
Sample wt/vol:	5.000 (g/mL) ML	Lab File	ID: V2	J9218	
Level: (low/med)	LOW	Date Rec	eived: 08	/15/07	
% Moisture: not dec	•	Date Ana	lyzed: 08	/27/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilution	Factor:	2.5	
Soil Extract Volume	:(uL)	Soil Ali	quot Volu	me:	(u
CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/Kg		Q	
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-69-4\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 75-15-0\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 78-93-3\\ 590-20-7\\ 78-93-3\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 563-58-6\\ 56-23-5\\ 563-58-6\\ 56-23-5\\ 107-06-2\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 74-95-3\\ 75-27-4\\ 108-10-1\\ 108-88-3\\ 10061-02-6\end{array}$	Iodomethane Carbon Disulfide Methylene Chlori Methyl tert-buty I,1-Dichloroetha Vinyl acetate 2-Butanone cis-1,2-Dichloro 2,2-Dichloroprop Bromochlorometha Chloroform 1,1,1-Trichloroe 1,2-Dichloroprop Benzene Trichloroethene 1,2-Dichloroprop Benzene Trichloroethene 	ethane         ne         de         roethene         1 ether         ne         ethene         ane         ride         ne         ane         me         ane         ne         ride         ne         ne         ropropene         none         ropropene		12 U 12 U	

FORM I VOA

	VOLATILE	1A E ORGANICS ANALYSIS	5 DATA SHE	ET	EPA S	SAMPLE NO.
					MV	V8SDL
Lab Na	ame: MITKEM COR	RPORATION C	Contract:	<sub>_</sub>		
Lab Co	ode: MITKEM	Case No.:	SAS No.:	SDG	No.:	MF1131
Matriz	x: (soil/water)	WATER	L	ab Sample ID:	F1131	L-02ADL
Sample	e wt/vol:	5.000 (g/mL) ML	Li	ab File ID:	V2J92	218
Level	: (low/med)	LOW	Da	ate Received:	08/15	5/07
% Mois	sture: not dec.		Da	ate Analyzed:	08/27	7/07
GC Col	lumn: DB-624	ID: 0.25 (mm)	D.	ilution Facto	r: 2.5	5 .
Soil I	Extract Volume:	(uL)	S	oil Aliquot V	olume:	
			CONCENT	RATION UNITS:		
	CAS NO.	COMPOUND		r ug/Kg) UG/L		Q
	142-28-9	1,3-Dichloropro	pane		12	
	127 - 18 - 4	Tetrachloroethe	ne	^		DJB
	12/18-0	Dibromochlorome	thang		12 12	
	106-93-4	1,2-Dibromoetha	ne		12	
	108-90-7	Chlorobenzene		······	12	
		1,1,1,2-Tetrach	loroethane		12	
	100-41-4	Ethylbenzene		·	63	
		m,p-Xylene			200	
	95-47-6	o-Xvlene		·	130	
	1330-20-7	Xylene (Total)_			330	
	100-42-5	Styrene			12	
	75-25-2				12	
		Isopropylbenzen			27	
		1,1,2,2-Tetrach			12	
		Bromobenzene	11010001000		12	
		1,2,3-Trichloro	propane		12	
		n-Propylbenzene			36	
	95-49-8	2-Chlorotoluene	·		12	
	108-67-8	1,3,5-Trimethyl	benzene		110	
	106-43-4	4-Chlorotoluene			12	
		tert-Butylbenze		<u> </u>	12	
		1,2,4-Trimethyl			430	
		sec-Butylbenzen			25	
		4-Isopropyltolu			16	
		1,3-Dichloroben		——	12	
		1,4-Dichloroben				DJ
		n-Butylbenzene			47	
		1,2-Dichloroben			26	
		1,2-Dibromo-3-c		me	12	
		1,2,4-Trichloro			12	
		Hexachlorobutad				
	91_20_2	Naphthalene			12 71	
	91-20-3	1,2,3-Trichloro	henzene	<u> </u>	12	
	0/-01-0	1, 2, 3-111CII1010	Delizene	]	12	U
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FORM I VOA

EPA SAMPLE NO.

	VOLATILE	ORGANICS ANALYSIS	DATA SH	IEET			
		-			TB	081407	
Lab Na	ame: MITKEM COR	PORATION C	Contract:			*	
Lab Co	ode: MITKEM	Case No.:	SAS No.	: SI	OG No.:	MF1131	L
Matrix	k: (soil/water)	WATER		Lab Sample II	D: F113	1-14A	
Sample	e wt/vol:	5.000 (g/mL) ML		Lab File ID:	V5H9	889	
Level:	: (low/med)	LOW		Date Received	<b>1:</b> 08/1	5/07	
% Mois	sture: not dec.			Date Analyzed	<b>1:</b> 08/2	5/07	
GC Col	lumn: DB-624	ID: 0.25 (mm)		Dilution Fact	or: 1.0	0	
Soil E	Extract Volume:	(uL)		Soil Aliquot	Volume	:	(uL)
		· · ·		- TRATION UNITS			
	CAS NO.	COMPOUND		or ug/Kg) UG/		Q	
	75 71 0	Dichlorodifluor	omothano			U	
		Chloromethane	omechane			U	
		Vinyl Chloride			5	υ	
		Bromomethane			5		
		Chloroethane			5		· · ·
		Trichlorofluoro	methane		5	U	
		1,1-Dichloroeth			5		
	67-64-1			· · · · · · · · · · · · · · · · · · ·	5		
		Iodomethane			5		
		Carbon Disulfid	e			Ū	
		Methylene Chlor				Ū	
		trans-1,2-Dichl		e		U	
		Methyl tert-but			5	U	
		1,1-Dichloroeth			5		
		Vinyl acetate			5		
	78-93-3		., <u></u>		5		
		cis-1,2-Dichlor	oethene		5	υ	
		2,2-Dichloropro			5	υ	
	74-97-5	Bromochlorometh			5		
	67-66-3 <b></b>				5		
		1,1,1-Trichloro	ethane		. 5	ט	
		1,1-Dichloropro			5	U	
	56-23-5	Carbon Tetrachl	oride		5	ט	
	107-06-2	1,2-Dichloroeth			5	ט ט	
	71-43-2				5	ט	
		Trichloroethene			5	U U	
		1,2-Dichloropro	pane		5	ט	
		Dibromomethane			5	ע	
		Bromodichlorome			5	ט	
		cis-1,3-Dichlor		<u> </u>	5	ט	
		4-Methyl-2-pent	anone		5		
	108-88-3				5	1 1	
		trans-1,3-Dichl		ne	5	U	
	79-00-5	1,1,2-Trichloro	ethane		5	U 0	

FORM I VOA

## EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET TB081407 Contract: Lab Name: MITKEM CORPORATION Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-14A Lab File ID: Sample wt/vol: 5.000 (g/mL) ML V5H9889 Date Received: 08/15/07 Level: (low/med) LOW Date Analyzed: 08/25/07 % Moisture: not dec. Dilution Factor: 1.0 ID: 0.25 (mm) GC Column: DB-624 Soil Aliquot Volume: (uL) Soil Extract Volume: \_\_\_\_(uL) CONCENTRATION UNITS: (uq/L or uq/Kq) UG/L Q CAS NO. COMPOUND 5 U 142-28-9-----1,3-Dichloropropane 5 U 5 U 5 U 127-18-4----Tetrachloroethene 591-78-6----2-Hexanone 124-48-1----Dibromochloromethane 106-93-4-----1,2-Dibromoethane 5 U

	108-90-7Chlorobenzene		5	U
	630-20-61,1,1,2-Tetrachloroethane		5	U
	100-41-4Ethylbenzene	· · · · ·	5	U
	m,p-Xylene		5	U
	95-47-6o-Xylene	· · · ·	5	υ·
	1330-20-7Xylene (Total)		5	U
	100-42-5Styrene		5.	U
	75-25-2Bromoform		5	U
	98-82-8Isopropylbenzene		5	U
	79-34-51,1,2,2-Tetrachloroethane	· · · ·	5	U
	108-86-1Bromobenzene		5	U
	96-18-41,2,3-Trichloropropane		5	U
	103-65-1n-Propylbenzene		5	U
	95-49-82-Chlorotoluene		5	U
	108-67-81,3,5-Trimethylbenzene		5	U
	106-43-44-Chlorotoluene		5	U
	98-06-6tert-Butylbenzene		5	U
	95-63-61,2,4-Trimethylbenzene		5	U
	135-98-8sec-Butylbenzene		5	U
	99-87-64-Isopropyltoluene		5	ប
	541-73-11,3-Dichlorobenzene		. 5	U
	106-46-71,4-Dichlorobenzene		5	U
	104-51-8n-Butylbenzene		5	ש <sup>י</sup>
	95-50-11,2-Dichlorobenzene		5	U
	96-12-81,2-Dibromo-3-chloropropane		5	U
	120-82-11,2,4-Trichlorobenzene		5	U
	87-68-3Hexachlorobutadiene		5	U
	91-20-3Naphthalene		5	U
	87-61-61,2,3-Trichlorobenzene		5	U
1				

VOLATILE ORGANICS ANALYSIS DA	TA SHEET	······································
Lab Name: MITKEM CORPORATION Cont	VEW1	
	I	
Lab Code: MITKEM Case No.: SA	S No.: SDG No.: MF1131	
Matrix: (soil/water) WATER	Lab Sample ID: F1131-06A	
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V2J9221	
Level: (low/med) LOW	Date Received: 08/15/07	
% Moisture: not dec.	Date Analyzed: 08/27/07	
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0	
Soil Extract Volume:(uL)	Soil Aliquot Volume:	(uI
	ONCENTRATION UNITS: ug/L or ug/Kg) UG/L Q	
75-69-4Trichlorofluoromet         75-35-4Trichlorofluoromet         75-35-41,1-Dichloroethene         67-64-1Acetone         74-88-4Acetone         75-15-0Carbon Disulfide         75-09-2Methylene Chloride         156-60-5Trans-1,2-Dichloro         1634-04-4Methyl tert-butyl         75-34-31,1-Dichloroethane         108-05-4Vinyl acetate         78-93-3cis-1,2-Dichloroet	5       U         5       U         5       U         5       U         5       U         5       U         5       U         10       10         10       10         5       U         10       10         5       U         10       10         5       U         6       U         6       U         6       U         6       U         11       J         12       5         13       130	
590-20-72,2-Dichloropropan         74-97-5Bromochloromethane         67-66-3Bromochloromethane         67-66-3Chloroform         71-55-61,1,1-Trichloroeth         563-58-61,1-Dichloropropen         56-23-5Carbon Tetrachlori         107-06-21,2-Dichloroethane         71-43-2Benzene         79-01-6Trichloroethene         78-87-5Dibromomethane         75-27-4Bromodichloromethane         75-27-4Bromodichloromethane         10061-01-5cis-1,3-Dichloropropen         108-88-3Toluene         10061-02-6	5       U         ane       5       U         ane       2       J         e       5       U         de       5       U         de       5       U         ge       5       U         ge       5       U         ge       5       U         ge       5       U         ne       5       U         0       5       U         0       5       U	:

FORM I VOA

VOLATILE	ORGANICS ANALYSIS	S DATA SHEET	BEA SAMELLE NO.
Lab Name: MITKEM COR	PORATION	Contract:	VEW1
ab Code: MITKEM			SDG No.: MF1131
Matrix: (soil/water)			le ID: F1131-06A
Sample wt/vol:	5.000 (g/mL) ML	Lab File	ID: V2J9221
level: (low/med)	LOW	Date Rece	eived: 08/15/07
Moisture: not dec.		Date Anal	lyzed: 08/27/07
C Column: DB-624	ID: 0.25 (mm)	Dilution	Factor: 1.0
Soil Extract Volume:	(uL)	Soil Alic	quot Volume:(u
CAS NO.	COMPOUND	CONCENTRATION ( (ug/L or ug/Kg)	NITS: UG/L Q
$\begin{array}{c} 127 - 18 - 4 \\ 591 - 78 - 6 \\ 124 - 48 - 1 \\ 106 - 93 - 4 \\ 108 - 90 - 7 \\ 630 - 20 - 6 \\ 100 - 41 - 4 \\ 1330 - 20 - 7 \\ 1330 - 20 - 7 \\ 1330 - 20 - 7 \\ 1330 - 20 - 7 \\ 100 - 42 - 5 \\ 75 - 25 - 2 \\ 75 - 25 - 2 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 95 - 49 - 8 \\ 95 - 49 - 8 \\ 95 - 49 - 8 \\ 95 - 49 - 8 \\ 95 - 49 - 8 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 50 - 1 \\ 96 - 12 - 8 \\ 96 - 12 - 8 \\ 87 - 68 - 3 \\ 91 - 20 - 3 \end{array}$	Dibromochlorome 1,2-Dibromoetha Chlorobenzene I,1,1,2-Tetrach Ethylbenzene m,p-Xylene Nylene Xylene (Total) Styrene Styrene I,2,2-Tetrach Bromobenzene 1,2,3-Trichloro n-Propylbenzene 2-Chlorotoluene 1,2,4-Trimethyl sec-Butylbenzene 1,2-Dichloroben 1,2-Dibromo-3-c 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloro 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichloroben 1,2,4-Trichlorob	ene	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

FORM I VOA

VOLATILE ORGANICS ANALYSI	S DATA SHEET
Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	
Matrix: (soil/water) WATER	Lab Sample ID: F1131-06ADL
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V2J9259
Level: (low/med) LOW	Date Received: 08/15/07
% Moisture: not dec.	Date Analyzed: 08/28/07
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 2.5
Soil Extract Volume:(uL)	Soil Aliquot Volume:(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q
75-71-8Dichlorodifluo         74-87-3Chloromethane         75-01-4Vinyl Chloride         74-83-9Bromomethane         75-00-3Chloroethane         75-69-4Trichlorofluor         75-35-4Chloroethane         74-88-4	12       U         12 <td< td=""></td<>

## FORM I VOA

VOLATILE	1A ORGANICS ANALYSIS	DATA SH	IEET	EPA	SAMPLE NO	•
				v	EW1DL	
Lab Name: MITKEM COR	PORATION CO	ontract:				_
Lab Code: MITKEM	Case No.:	SAS No.	: SI	G No.:	MF1131	
Matrix: (soil/water)	WATER		Lab Sample II	: F113	1-06ADL	
Sample wt/vol:	5.000 (g/mL) ML		Lab File ID:	V2J9	259	
Level: (low/med)	LOW		Date Received	1: 08/1	5/07	
% Moisture: not dec.			Date Analyzed	: 08/2	8/07	
GC Column: DB-624	ID: 0.25 (mm)		Dilution Fact	or: 2.	5	
Soil Extract Volume:	(uL)		Soil Aliquot	Volume	:	_(uL)
CAS NO.	COMPOUND		TRATION UNITS or ug/Kg) UG/		Q	
$\begin{array}{c} 127 - 18 - 4 \\ 591 - 78 - 6 \\ 124 - 48 - 1 \\ 106 - 93 - 4 \\ 108 - 90 - 7 \\ 630 - 20 - 6 \\ 100 - 41 - 4 \\ \\ 1330 - 20 - 7 \\ 1330 - 20 - 7 \\ 1330 - 20 - 7 \\ 100 - 42 - 5 \\ 75 - 25 - 2 \\ 75 - 25 - 2 \\ 98 - 82 - 8 \\ 79 - 34 - 5 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 108 - 86 - 1 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 96 - 18 - 4 \\ 95 - 49 - 8 \\ 108 - 65 - 1 \\ 95 - 49 - 8 \\ 108 - 65 - 1 \\ 95 - 49 - 8 \\ 108 - 65 - 1 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 104 - 51 - 8 \\ 95 - 50 - 1 \\ 96 - 12 - 8 \\ 120 - 82 - 1 \\ 87 - 68 - 3 \\ 91 - 20 - 3 \end{array}$	Dibromochloromet 1,2-Dibromoethar Chlorobenzene 1,1,1,2-Tetrach Ethylbenzene m,p-Xylene o-Xylene Xylene (Total)_ Styrene	ne thane loroetha e loroetha propane penzene penzene zene zene zene zene zene zene		12 12 12		

FORM I VOA

VOLATILE	1A E ORGANICS ANALYSIS	5 DATA SHEET	E	EPA SAMPLE	NO.
Lab Name: MITKEM COF	PORATION	Contract:		VEW2	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG N	No.: MF1131	
Matrix: (soil/water)	WATER	Lab Sar	mple ID: F	F1131-03A	
Sample wt/vol:	5.000 (g/mL) ML	Lab Fi	le ID: V	/2J9219	
Level: (low/med)	LOW	Date Re	eceived: C	08/15/07	
% Moisture: not dec.	· · · ·	Date A	nalyzed: 0	)8/27/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilutio	on Factor:	: 1.0	
Soil Extract Volume:	(uL)	Soil A	liquot Vol	lume:	(uL)
CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/I		Q	
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-69-4\\ 75-35-4\\ 67-64-1\\ 74-88-4\\ 75-15-0\\ 75-15-0\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 108-05-4\end{array}$	Dichlorodifluon Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoro 1,1-Dichloroeth Acetone Iodomethane Carbon Disulfic Methylene Chlor trans-1,2-Dichloroeth Nethyl tert-but Nethyl tert-but Vinyl acetate 2-Butanone	methane nene le ride oroethene cyl ether		5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U	

1634-04-4Methyl tert-butyl ether	5	U
75-34-31,1-Dichloroethane	5	U
108-05-4Vinyl acetate	5	ע 👘
78-93-32-Butanone	5	U
156-59-2cis-1,2-Dichloroethene	39	
590-20-72,2-Dichloropropane	5	U
74-97-5Bromochloromethane	5	υ
67-66-3Chloroform	5	ט ן
71-55-61,1,1-Trichloroethane	5	U
563-58-61,1-Dichloropropene	5	U
56-23-5Carbon Tetrachloride	5	U
107-06-21,2-Dichloroethane	5	U
71-43-2Benzene	5	U
79-01-6Trichloroethene	5	U
78-87-51,2-Dichloropropane	5	U
74-95-3Dibromomethane	5	U
75-27-4Bromodichloromethane	5	U
10061-01-5cis-1,3-Dichloropropene	5	U I
108-10-14-Methyl-2-pentanone	5	U
108-88-3Toluene	3	J
10061-02-6trans-1,3-Dichloropropene	5	U
79-00-51,1,2-Trichloroethane	5	U

# FORM I VOA

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS I	DATA SHEET
	VEW2
Lab Name: MITKEM CORPORATION Cor	ntract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1131
Matrix: (soil/water) WATER	Lab Sample ID: F1131-03A
Sample wt/vol: 5.000 (g/mL) ML	Lab File ID: V2J9219
Level: (low/med) LOW	Date Received: 08/15/07
% Moisture: not dec.	Date Analyzed: 08/27/07
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
142-28-91, 3-Dichloropropa         127-18-4Tetrachloroethene         591-78-6Tetrachloroethene         124-48-1Dibromochlorometh         106-93-41, 2-Dibromoethane         108-90-7Chlorobenzene         630-20-61, 1, 1, 2-Tetrachlor         100-41-4Ethylbenzene	s       U         nane       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5         u       5 <t< td=""></t<>

## FORM I VOA

VOLATILE	ORGANICS ANALYSIS	DATA SHEET		
				VEW3
Lab Name: MITKEM COR	PORATION C	ontract:		VEW3
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.	: MF1131
Matrix: (soil/water)	WATER	Lab Sam	ple ID: F11	.31-04A
Sample wt/vol:			-	
Level: (low/med)	-		ceived: 08/	
			-	
% Moisture: not dec.	·		alyzed: 08/	
GC Column: DB-624	ID: 0.25 (mm)	Dilutio		
Soil Extract Volume:	(uL)	Soil Al	iquot Volum	le:
CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K		Q
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 75-00-3\\ 75-69-4\\ 75-35-4\\ 75-35-4\\ 67-64-1\\ 74-88-4\\ 75-15-0\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 78-93-3\\ 590-20-7\\ 78-93-3\\ 590-20-7\\ 78-93-3\\ 590-20-7\\ 78-93-3\\ 590-20-7\\ 78-93-3\\ 590-20-7\\ 75-34-3\\ 108-05-4\\ 71-43-2\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 74-95-3\\ 75-27-4\\ 108-10-1\\ 108-88-3\\ 10061-02-6\end{array}$	Iodomethane Carbon Disulfide Methylene Chlor: trans-1,2-Dichlor Methyl tert-buty 1,1-Dichloroetha Vinyl acetate 2-Butanone cis-1,2-Dichloroprop Bromochlorometha Chloroform 1,1,1-Trichloroe 1,2-Dichloroprop Benzene Trichloroethene 1,2-Dichloroprop Dibromomethane Bromodichloromet cis-1,3-Dichloroethene 2,2-Dichloroethene 2,2-Dichloroprop 2,2-Dichloroprop 2,2-Dichloroprop 2,2-Dichloroprop 2,2-Dichloroprop 2,2-Dichloroprop 2,2-Dichloroprop 2,2-Dichloroprop 2,2-Dichloroprop	methane   ene   ene   ide   porcethene   y1 ether   ane   pothene   poane   ane   pothane   poane   poane		5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5

FORM I VOA

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VOLATILE	ORGANICS ANALYSIS	DATA SHEET	I	
		lopt wordt -	,	VEW3
Lab Name: MITKEM COR				
Lab Code: MITKEM	Case No.:	SAS No.: S	SDG No.:	MF1131
Matrix: (soil/water)	WATER	Lab Sample I	D: F113	1-04A
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID:	V5H98	879
Level: (low/med)	LOW	Date Receive	ed: 08/1	5/07
% Moisture: not dec.		Date Analyze	ed: 08/2	5/07
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fac	tor: 1.0	<b>)</b>
Soil Extract Volume:	(uL)	Soil Aliquot	. Volume	:(ı
CAS NO.	COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg) UG		Q
$\begin{array}{c} 127 - 18 - 4 \\ 591 - 78 - 6 \\ 124 - 48 - 1 \\ 106 - 93 - 4 \\ 08 - 90 - 7 \\ 630 - 20 - 6 \\ 130 - 20 - 6 \\ 1330 - 20 - 7 \\ 1330 - 20 - 7 \\ 1330 - 20 - 7 \\ 100 - 42 - 5 \\ 100 - 42 - 5 \\ 75 - 25 - 2 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 82 - 8 \\ 98 - 86 - 1 \\ 96 - 18 - 4 \\ 95 - 49 - 8 \\ 95 - 49 - 8 \\ 95 - 49 - 8 \\ 95 - 49 - 8 \\ 95 - 49 - 8 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 63 - 6 \\ 95 - 50 - 1 \\ 96 - 12 - 8 \\ 96 - 12 - 8 \end{array}$	Dibromochlorome 1,2-Dibromoetha Chlorobenzene 1,1,1,2-Tetrach Ethylbenzene m,p-Xylene wylene Xylene Xylene Styrene Styrene Styrene I,2,2-Tetrach Bromobenzene 1,2,3-Trichloro n-Propylbenzene 2-Chlorotoluene 2,2-Chlorotoluene 1,3,5-Trimethyl 4-Chlorotoluene 1,2,4-Trimethyl sec-Butylbenzen 1,3-Dichloroben 1,2-Dichloroben 1,2,4-Trichloro 1,2,4-Trichloro	ne thane ne loroethane e loroethane propane benzene benzene e ne benzene ene zene zene hloropropane benzene	$\begin{array}{c} 5\\1\\5\\5\\5\\5\\2\\120\\110\\230\\5\\5\\5\\5\\7\\5\\110\\230\\4\\12\\130\\4\\12\\5\\17\\30\\5\\5\\5\end{array}$	

# FORM I VOA

	VOLATIL	ORGANICS ANALYSIS	5 DATA SHEET	ı <del>-</del>			
lab Na	ame: MTTKEM COR	PORATION	Contract:		7	VEW4	
		Case No.:		SDG	No	MF1131	1
latrix	: (soil/water)	WATER	Lab S	ample ID:	F1131	L-07A	
Sample	e wt/vol:	5.000 (g/mL) ML	Lab F	'ile ID:	V2J92	260	
Level:	(low/med)	LOW	Date	Received:	08/15	5/07	
Mois	sture: not dec.	<u> </u>	Date	Analyzed:	08/28	3/07	
C Col	umn: DB-624	ID: 0.25 (mm)	Dilut	ion Factor	r: 1.0	)	
Soil E	Extract Volume:	(uL)	Soil	Aliquot Vo	olume:	• . 	(1
			CONCENTRATI	ON UNITS:			
	CAS NO.	COMPOUND	(ug/L or ug			Q	
					_		
		Dichlorodifluon	romethane	-	5 5		
		Vinyl Chloride			5		
		Bromomethane	· · · · · · · · · · · · · · · · · · ·	•		υ	
		Chloroethane				υ ·	
		Trichlorofluoro				U U	
		1,1-Dichloroeth			5		
						0	
	67-64-1				70		
		Iodomethane	7		5		
· ·		Carbon Disulfic			5		
		Methylene Chlor			1	U	
		trans-1,2-Dichl				U	
	1634-04-4	Methyl tert-but	yl ether		5	U	
		1,1-Dichloroeth			5	U	
	108-05-4	Vinyl acetate			5		
	78-93-3	2-Butanone			5	Ū	
		cis-1,2-Dichlor	oethene			Ĵ	
		2,2-Dichloropro				U	
		Bromochlorometh				U	
		Chloroform				-	
						U	
	/1-55-6	1,1,1-Trichloro	etnane		5		
	563-58-6	1,1-Dichloropro	pene			U	
		Carbon Tetrachl		.[	- 1	U	
		1,2-Dichloroeth	nane		-	U .	
	71-43-2				5	U	
		Trichloroethene			5	U	
	78-87-5	1,2-Dichloropro	pane			υ	
		Dibromomethane	<u>ــــــــــــــــــــــــــــــــــــ</u>	1		Ū	
		Bromodichlorome	thane			Ū	
-	10061-01-5	cis-1,3-Dichlor	onronene			Ŭ	
		4-Methyl-2-pent				U	
	108-88-3					J	
			02002000000			_	
	TUN0T-07-0	trans-1,3-Dichl			-	U	
		1,1,2-Trichlord			5	U	

FORM I VOA

VOLATILE	ORGANICS ANALYSI	S DATA SHEET	/ I
<b></b>			VEW4
Lab Name: MITKEM COR	PORATION	Contract:	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.: MF1131
Matrix: (soil/water)	WATER	Lab Sample I	ID: F1131-07A
Sample wt/vol:	5.000 (g/mL) ML	Lab File ID	V2J9260
Level: (low/med)	LOW	Date Receive	ed: 08/15/07
% Moisture: not dec.		Date Analyze	ed: 08/28/07
GC Column: DB-624	ID: 0.25 (mm)	Dilution Fac	ctor: 1.0
Soil Extract Volume:	(uL)	Soil Aliquot	Volume:(u
CAS NO.	COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg) UC	
127 - 18 - 4 591 - 78 - 6 124 - 48 - 1	Dibromochlorome 1,2-Dibromoetha Chlorobenzene 	ene	5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         20       1         21       1         25       1         21       1         22       1         31       1         32       1         33       1         34       1         35       1         36       1         35       1

FORM I VOA

## EPA SAMPLE NO.

1A						
VOLATILE	ORGANICS	ANALYSIS	DATA	SHEET		

	VOLATILE	ORGANICS ANALISIS	DATA SHEET				<u> </u>
Lab Name	e: MITKEM COF	RPORATION (	Contract:		V2	20LCS	
Lab Code	e: MITKEM	Case No.:	SAS No.:	SDC	No.:	MF1131	
Matrix:	(soil/water)	WATER	Lab	Sample ID:	LCS-3	31897	
Sample v	wt/vol:	5.000 (g/mL) ML	Lab	File ID:	V2J92	213	
Level:	(low/med)	LOW	Date	Received:			
% Moistu	ure: not dec.		Date	Analyzed:	08/27	7./07	
GC Colum	mn: DB-624	ID: 0.25 (mm)	Dilu	tion Facto	or: 1.(	)	
Soil Ext	ract Volume:	(uL)	Soil	Aliquot V	olume		(uL)
			CONCENTRAT				
· C	CAS NO.	COMPOUND	(ug/L or u		I	Q	
77777677711711576755177777111	74-87-37 75-01-47 75-00-37 75-35-47 75-35-47 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-15-07 75-20-27 74-97-57 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-47 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-27-4-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7 75-7-7-7 75-7-7 75-7-7-7 75-7-7-7 75-7-7-7	Iodomethane Carbon Disulfid Methylene Chlor trans-1,2-Dichl Methyl tert-but 1,1-Dichloroeth Vinyl acetate 2-Butanone cis-1,2-Dichloropro Bromochlorometh Chloroform 1,1,1-Trichloro Carbon Tetrachl 1,2-Dichloropro Carbon Tetrachl 1,2-Dichloropro Benzene Trichloroethene Dibromomethane Bromodichloromethane Cis-1,3-Dichlor	methane		305280655691246827549782496643321 552555555555545549782496643321		
		trans-1,3-Dichl		_	54 57		
				I			

OLM03.0

## EPA SAMPLE NO. 1A VOLATILE ORGANICS ANALYSIS DATA SHEET V2OLCS Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: LCS-31897 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J9213 Level: (low/med) LOW Date Received: Date Analyzed: 08/27/07 % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/LQ 142-28-9-----1, 3-Dichloropropane 53 127-18-4----Tetrachloroethene 50 B 591-78-6----2-Hexanone 60 124-48-1-----Dibromochloromethane 106-93-4-----1,2-Dibromoethane 51 52 108-90-7-----Chlorobenzene 630-20-6-----1,1,1,2-Tetrachloroethane 49 48

100-41-4	Ethylbenzene		48	
	-m,p-Xylene		98	
95-47-6	O-Xylene Xylene (Total)		49	
1330-20-7	Xylene (Total)	1	L50	
100-42-5	Styrene		50	
75-25-2			56	
98-82-8	-Isopropylbenzene		48	
79-34-5	-1,1,2,2-Tetrachloroethane		55	
108-86-1			44	
96-18-4	-1,2,3-Trichloropropane		57	
103-65-1	-n-Propylbenzene		42	
	-2-Chlorotoluene		44	
	-1,3,5-Trimethylbenzene		46	
	-4-Chlorotoluene		45	
98-06-6	-tert-Butylbenzene		44	
	-1,2,4-Trimethylbenzene		46	
135-98-8	-sec-Butylbenzene		46	
99-87-6	-4-Isopropyltoluene		44	
	-1,3-Dichlorobenzene		46	
106-46-7	-1,4-Dichlorobenzene		46	
	-n-Butylbenzene		46	
	-1,2-Dichlorobenzene		46	
	-1,2-Dibromo-3-chloropropane		54	
	-1,2,4-Trichlorobenzene		46	
	-Hexachlorobutadiene		39	
91-20-3			46	В
87-61-6	-1,2,3-Trichlorobenzene		46	в

## FORM I VOA

VOLATILE	1A ORGANICS ANALYSIS	5 DATA SHEET		EPA SAMPLE	NO.
				V2PLCS	
Lab Name: MITKEM COR	PORATION	Contract:	_		
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: MF113	1
Matrix: (soil/water)	WATER	Lab Sa	ample ID:	LCS-31906	
Sample wt/vol:	5.000 (g/mL) ML	Lab F	ile ID:	V2J9241	
Level: (low/med)	LOW	Date H	Received:		*
% Moisture: not dec.		Date A	Analyzed:	08/28/07	
GC Column: DB-624	ID: 0.25 (mm)	Dilut	ion Factor	r: 1.0	
Soil Extract Volume:	(uL)	Soil A	Aliquot Vo	olume:	(uL)
CAS NO.	COMPOUND	CONCENTRATIC (ug/L or ug/		Q	
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 74-83-9\\ 75-00-3\\ 75-69-4\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 75-15-0\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 156-59-2\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 75-27-4\\ 108-10-1\\ 108-88-3\end{array}$	Iodomethane Carbon Disulfic Methylene Chlor Methyl tert-but Nethyl tert-but Nethyl tert-but 2-Butanone 2-Butanone 2,2-Dichloropro Bromochlorometh Chloroform 1,1,1-Trichloro Chloroform 1,2-Dichloropro Carbon Tetrachl 1,2-Dichloropro Benzene Trichloroethene 1,2-Dichloropro Dibromomethane Dibromomethane Cis-1,3-Dichloromethane 	methane   nene   nene   nene   nane   oroethene   oyl ether   nane   opane   nane   opene   loride   opane   opane   opane   opane   opane   opane   opane   opene   loride   opane   opane		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	

### EPA SAMPLE NO. 1A VOLATILE ORGANICS ANALYSIS DATA SHEET V2PLCS Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: LCS-31906 Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V2J9241 Level: (low/med) LOW Date Received: Date Analyzed: 08/28/07 % Moisture: not dec. GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q CAS NO. COMPOUND 52 142-28-9-----1,3-Dichloropropane 127-18-4-----Tetrachloroethene 53 591-78-6----2-Hexanone 48 124-48-1-----Dibromochloromethane 50 106-93-4-----1,2-Dibromoethane 50 50 108-90-7-----Chlorobenzene 630-20-6-----1,1,1,2-Tetrachloroethane 49 100-41-4----Ethylbenzene 50 -----m,p-Xylene 100 - 50 150 100-42-5-----Styrene\_\_\_\_\_\_ 75-25-2----Bromoform\_\_\_ 52 54 98-82-8-----Isopropylbenzene 50 79-34-5-----1,1,2,2-Tetrachloroethane 50 44 108-86-1----Bromobenzene 47 96-18-4-----1,2,3-Trichloropropane 44 103-65-1----n-Propylbenzene 95-49-8----2-Chlorotoluene 45

108-67-81,3,5-Trimethylbenzene	47	
106-43-44-Chlorotoluene	46	
98-06-6tert-Butylbenzene	44	
95-63-61,2,4-Trimethylbenzene	47	
135-98-8sec-Butylbenzene	48	
99-87-64-Isopropyltoluene	46	
541-73-11,3-Dichlorobenzene	46	
106-46-71,4-Dichlorobenzene	46	
104-51-8n-Butylbenzene	47	-
95-50-11,2-Dichlorobenzene	46	
96-12-81,2-Dibromo-3-chloropropane	41	
120-82-11,2,4-Trichlorobenzene	42	
87-68-3Hexachlorobutadiene	38	
91-20-3Naphthalene	37	
87-61-61,2,3-Trichlorobenzene	42	

VOLATILE	1A ORGANICS ANALY	SIS DATA S	HEET	EPA	SAMPLE NO	<b>D.</b>
				v	T5LCS	
Lab Name: MITKEM COR	PORATION	Contract	:	· · ·		
Lab Code: MITKEM	Case No.:	SAS No	.:	SDG No.:	MF1131	
Matrix: (soil/water)	WATER		Lab Sample	ID: LCS-	31880	
Sample wt/vol:	5.000 (g/mL) M	1L	Lab File ID	: V5H9	875	
Level: (low/med)	LOW		Date Receiv	ed:		
% Moisture: not dec.	:		Date Analyz	ed: 08/2	5/07	
GC Column: DB-624	ID: 0.25 (mm)		Dilution Fa	ctor: 1.	0	
Soil Extract Volume:	(uL)		Soil Aliquo	t Volume		(uL)
CAS NO.	COMPOUND		NTRATION UNI or ug/Kg) U		Q	
$\begin{array}{c} 74-87-3\\ 75-01-4\\ 75-00-3\\ 75-69-4\\ 75-35-4\\ 75-35-4\\ 75-35-4\\ 75-15-0\\ 75-09-2\\ 156-60-5\\ 1634-04-4\\ 75-34-3\\ 108-05-4\\ 75-34-3\\ 108-05-4\\ 78-93-3\\ 108-05-4\\ 78-93-3\\ 590-20-7\\ 74-97-5\\ 590-20-7\\ 74-97-5\\ 563-58-6\\ 563-58-6\\ 563-58-6\\ 56-23-5\\ 107-06-2\\ 71-43-2\\ 79-01-6\\ 78-87-5\\ 74-95-3\\ 75-27-4\\ 10061-01-5\end{array}$	Iodomethane Carbon Disul Methylene Ch Trans-1,2-Di Methyl tert- 1,1-Dichloro Vinyl acetat 2-Butanone cis-1,2-Dichloro Bromochlorom Chloroform 1,1,1-Trichl 1,2-Dichloro Benzene Trichloroeth 1,2-Dichloro Benzene Trichloroeth 1,2-Dichloro Benzene Trichloroeth 1,2-Dichloro Benzene Trichloroeth 1,2-Dichloro Bibromometha Bromodichlor cis-1,3-Dich	e de de de de de de de de de de de de de		45 37 38 47 46 45 30 42 45 43 41 34 40 45 45 43 41 34 40 47 90 45 43 54 23 54 23 54 45 43 41 41 54 41		
108-88-3 10061-02-6	4-Methyl-2-p Toluene trans-1,3-Di 1,1,2-Trichl	 chloroprope	ene	33 41 42 44		

### FORM I VOA

### 1A

- ----

EPA SAMPLE NO.

VOL	ATTLE ORGANICS ANAL	ISIS DATA SHEET	1	
Lab Name: MITKE	M CORPORATION	Contract:	V	T5LCS
	M Case No.:		SDG No.:	MF1131
Matrix: (soil/wa	ater) WATER	Lab Sa	ample ID: LCS-	-31880
Sample wt/vol:	5.000 (g/mL) M	ML Lab Fi	ile ID: V5H9	9875
Level: (low/me	ed) LOW	Date F	Received:	
% Moisture: not	dec	Date A	Analyzed: 08/2	25/07
GC Column: DB-62	24 ID: 0.25 (mm)	Diluti	ion Factor: 1.	0
Soil Extract Vol	lume:(uL)	Soil A	liquot Volume	e:(uL)
CAS NO.	COMPOUND	CONCENTRATIC (ug/L or ug/		Q
$\begin{array}{c} 127-18-4\\ 591-78-6\\ 124-48-1\\ 106-93-4\\ 108-90-7\\ 630-20-6\\ 100-41-4\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\ -\\$		ethene comethane ethane achloroethane achloroethane al) al) al) al) al) al) al) al)	$\begin{array}{c} 42\\ 54\\ 35\\ 44\\ 43\\ 45\\ 49\\ 43\\ 90\\ 47\\ 140\\ 45\\ 39\\ 46\\ 38\\ 45\\ 32\\ 43\\ 45\\ 46\\ 45\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 44\\ 46\\ 46$	
541-73-1- 106-46-7- 104-51-8- 95-50-1 96-12-8 120-82-1- 87-68-3 91-20-3	1,3-Dichlorc 1,4-Dichlorc 1,2-Dichlorc 1,2-Dichlorc 1,2,4-Trichl Hexachlorobu Naphthalene	bbenzene bbenzene bbenzene 3-chloropropane orobenzene tadiene	43 47 45 45 48 38 43 43 44 39 43	

FORM I VOA

### WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab	Name:	MITKEM	CORPORATION	Contract:	
Lab	Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131

						-
	EPA	SMC1	SMC2	SMC3	OTHER	TOT
	SAMPLE NO.	#	(DCE)#	(TOL) #	(BFB)#	OUT
	=============	======	======	=====	======	===
01	VBLKT5	128*	98	92	93	1
02	VT5LCS	110	96	100	108	0
03	MW8D	124*	107	93	91	1
04	MW8S	127*	107	93	107	1
05	VEW3	118*	98	92	101	1
06	ASW	114	99	94	101	0
07	MW15S	114	100	92	97	0
80	MW15D	114	102	93	91	0
09	K13	115	100	96	94	0
10	FLUSHMOUNT	114	99	93	91	0
11	TB081407	125*	102	96	98 -	1
12	VBLK2O	100	109	101	90	0
13	V2OLCS	103	106	101	102	0
14	ASWDL	101	106	103	100	0
15	MW8SDL	97	102	103	96	0
16	VEW2	101	103	101	99	0
17	VEW1	100	101	99	104	0
18	K-2	103	100	101	101	0
19	K-4	104	107	101	101	0
20	VBLK2P	107	109	. 98	84	0
21	V2PLCS	106	107	100	103	0
22	VEW1DL	110	112	95	112	0
23	VEW4	107	105	99	100	0
24						
25						
26						
27						
28						
29						
30						I

	QC	LTMILLS
SMC1	= Dibromofluoromethane	(85-115)
SMC2 (DCE)	= 1,2-Dichloroethane-d4	(70-120)
SMC3 (TOL)	= Toluene-d8	(85-120)
OTHER (BFB)	= Bromofluorobenzene	(75-120)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

page 1 of 1

FORM II VOA-1

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix Spike - Sample No.: V2PLCS

	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %	QC. LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC #	REC.
Dichlorodifluoromethane Chloromethane Vinyl Chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Acetone Iodomethane Carbon Disulfide Methylene Chloride	50 50 50 50 50 50 50 50 50 50 50 50 50 5	(ug/L) ======	51 73 72 75 76 80 61 76 63 72 64	====== 102 146* 144 150* 152* 160* 122 152* 126* 144 128	===== 30-155 40-125 50-145 30-145 60-135 60-145 70-130 40-140 72-121 35-160 55-140
trans-1,2-Dichloroethen Methyl tert-butyl ether 1,1-Dichloroethane Vinyl acetate 2-Butanone cis-1,2-Dichloroethene 2,2-Dichloropropane Bromochloromethane Chloroform 1,1,1-Trichloroethane 1,1-Dichloropropene Carbon Tetrachloride 1,2-Dichloroethane Benzene Trichloroethene 1,2-Dichloropropane Dibromomethane	50 50 50 50 50 50 50 50 50 50 50 50 50 5	· · ·	59 49 59 51 56 42 57 59 55 54 55 54 55 53 59 50 61 58	118 98 118 102 102 112 84 114 118 110 108 110 106 118 100 122 116	60-140 65-125 70-135 38-163 30-150 70-125 70-135 65-130 65-130 65-130 75-130 65-140 70-130 80-120 70-125 75-125 75-125

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

\* Values outside of QC limits

COMMENTS:

page 1 of 3

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131

Matrix Spike - Sample No.: V2PLCS

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	00	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC #	REC.
=======================================	=========	===============================	===========	=====	======
Bromodichloromethane	50		56	112	75-120
cis-1,3-Dichloropropene	50		53	106	70-130
4-Methyl-2-pentanone	50		55	110	60-135
Toluene	50		56	112	75-120
trans-1,3-Dichloroprope	50		51	102	55-140
1,1,2-Trichloroethane	50		58	116	75-125
1,3-Dichloropropane	50		52	104	75-125
Tetrachloroethene	50		53	106	45-150
2-Hexanone	50		48	96	55-130
Dibromochloromethane	50		50	100	60-135
1,2-Dibromoethane	50		50	100	80-120
Chlorobenzene	50	й.	50	100	80-120
1,1,1,2-Tetrachloroetha	50		49	98	80-130
Ethylbenzene	50	· · ·	· 50 ···	100	75-125
m,p-Xylene	100		100	100	75-130
o-Xylene	50		50	100	80-120
Xylene (Total)	150		150	100	81-121
Styrene	50		52	104	65-135
Bromoform	50		54	108	70-130
Isopropylbenzene	50	н. Г	50	100	75-125
1,1,2,2-Tetrachloroetha	50		50	100	65-130
Bromobenzene	50		44	88	75-125
1,2,3-Trichloropropane	50		47	94	75-125
n-Propylbenzene	50		44	88	70-130
2-Chlorotoluene	50		45	90	75-125
1,3,5-Trimethylbenzene	50		47	94	75-130
4-Chlorotoluene	50		46	92	75-130
tert-Butylbenzene	50		44	88	70-130

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

\* Values outside of QC limits

COMMENTS:

page 2 of 3

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix Spike - Sample No.: V2PLCS

COMPOUND	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
	(ug/L)	(ug/L)	(ug/L)	REC #	REC.
<pre>1,2,4-Trimethylbenzene sec-Butylbenzene 4-Isopropyltoluene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dibromo-3-chloropro 1,2,4-Trichlorobenzene Hexachlorobutadiene Naphthalene 1,2,3-Trichlorobenzene</pre>	50 50 50 50 50 50 50 50 50 50 50 50 50 5		47 48 46 46 46 46 47 46 41 42 38 37 42	====== 94 92 92 92 92 94 92 82 84 76 74 84	$\begin{array}{l} = = = = = = \\ 75 - 130 \\ 70 - 125 \\ 75 - 125 \\ 75 - 125 \\ 70 - 135 \\ 70 - 120 \\ 50 - 130 \\ 65 - 135 \\ 50 - 140 \\ 55 - 140 \\ 55 - 140 \end{array}$

# 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: 6 out of 68 outside limits

COMMENTS:

page 3 of 3

### FORM 3

### WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix Spike - Sample No.: V2OLCS

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	8	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC #	REC.
	========	=================	==================	======	======
Dichlorodifluoromethane	50		39	78	30-155
Chloromethane	50		60	120	40-125
Vinyl Chloride	50		55	110	50-145
Bromomethane	50	4	62	124	30-145
Chloroethane	50		58	116	60-135
Trichlorofluoromethane	50		60	120	60-145
1,1-Dichloroethene	50		56	112	70-130
Acetone	50		75	150*	40-140
Iodomethane	50	· ·	56	112	72-121
Carbon Disulfide	50	4	56	112	35-160
Methylene Chloride	50		59	118	55-140
trans-1,2-Dichloroethen	50		51	102	60-140
Methyl tert-butyl ether	50		52	104	65-125
1,1-Dichloroethane	. 50		54	108	70-135
Vinyl acetate	50		56	112	38-163
2-Butanone	50		58	116	30-150
cis-1,2-Dichloroethene	50		52	104	70-125
2,2-Dichloropropane	50		47	94	70-135
Bromochloromethane	50		55	110	65-130
Chloroform	50		54	108	65-135
1,1,1-Trichloroethane	50		49	98	65-130
1,1-Dichloropropene	50		47	94	75-130
Carbon Tetrachloride	50		48	96	65-140
1,2-Dichloroethane	50		52	104	70-130
Benzene	50		54	108	80-120
Trichloroethene	50		49	98	70-125
1,2-Dichloropropane	50		56	112	75-125
Dibromomethane	50		56	112	75-125
·····	,				

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

\* Values outside of QC limits

COMMENTS:

page 1 of 3

Lab Name: MITKEM CORPORATION Contract:

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

SDG No.: MF1131

Matrix Spike - Sample No.: V2OLCS

	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %	QC. LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC #	REC.
Bromodichloromethane	50		54	108	75-120
cis-1,3-Dichloropropene	50		53	106	70-130
4-Methyl-2-pentanone	50		63	126	60-135
Toluene	50		52	104	75-120
trans-1,3-Dichloroprope	50		54	108	55-140
1,1,2-Trichloroethane	50		57	114	75-125
1,3-Dichloropropane	50	х.	53	106	75-125
Tetrachloroethene	50	· · · · · · · · · · · · · · · · · · ·	50	100	45-150
2-Hexanone	50		60	120	55-130
Dibromochloromethane	50		51	102	60-135
1,2-Dibromoethane	50		52	104	80-120
Chlorobenzene	50		49	98	80-120
1,1,1,2-Tetrachloroetha	50		48	96	80-130
Ethylbenzene	50		48	96	75-125
m,p-Xylene	100		98	98	75-130
o-Xylene	50	н. С. С. С	49	98	80-120
Xylene (Total)	150		150	100	81-121
Styrene	50		50	100	65-135
Bromoform	50		56	112	70-130
Isopropylbenzene	50		48	96	75-125
1,1,2,2-Tetrachloroetha	50		. 55	110	65-130
Bromobenzene	50		44	88	75-125
1,2,3-Trichloropropane	50		57	114	75-125
n-Propylbenzene	50		42	84	70-130
2-Chlorotoluene	50		44	88	75-125
1,3,5-Trimethylbenzene	50		46	.92	75-130
4-Chlorotoluene	50		45	90	75-130
tert-Butylbenzene	50		44	88	70-130
Column to be used to fla	: :	v and RPD value			-/0-

\* Values outside of QC limits

COMMENTS:

page 2 of 3

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.:

SDG No.: MF1131

Matrix Spike - Sample No.: V2OLCS

COMPOUND	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
	(ug/L)	(ug/L)	(ug/L)	REC #	REC.
1,2,4-Trimethylbenzene sec-Butylbenzene 4-Isopropyltoluene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dibromo-3-chloropro 1,2,4-Trichlorobenzene Hexachlorobutadiene Naphthalene 1,2,3-Trichlorobenzene	50 50 50 50 50 50 50 50 50 50 50 50 50		46 46 44 46 46 46 46 46 54 46 39 46 46	92 92 88 92 92 92 92 108 92 78 92 92	$\begin{array}{c} =====\\ 75-130\\ 70-125\\ 75-125\\ 75-125\\ 70-135\\ 70-120\\ 50-130\\ 65-135\\ 50-140\\ 55-140\\ 55-140\\ 55-140\\ \end{array}$

SAS No.:

# 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: 1 out of 68 outside limits

COMMENTS:

page 3 of 3

Lab	Name:	MITKEM C	CORPORATION	Contract:		
Lab	Code:	MITKEM	Case No.:	SAS No.:	SDG No.: 1	MF1131
			_			

Matrix Spike - Sample No.: VT5LCS

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	8	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC #	REC.
	=======	=================	===============	=====	======
Dichlorodifluoromethane	50		45	90	30-155
Chloromethane	50		37	74	40-125
Vinyl Chloride	50		38	76	50-145
Bromomethane	50		47	94	30-145
Chloroethane	50		46	92	60-135
Trichlorofluoromethane	50		64	128	60-145
1,1-Dichloroethene	50		45	90	70-130
Acetone	50		30	60	40-140
Iodomethane	50		48	96	72-121
Carbon Disulfide	50		42	84	35-160
Methylene Chloride	50		45	90	55-140
trans-1,2-Dichloroethen	50		43	86	60-140
Methyl tert-butyl ether	50		41	82	65-125
1,1-Dichloroethane	50	· ·	41	82	70-135
Vinyl acetate	50		35	70	38-163
2-Butanone	50		34	68	30-150
cis-1,2-Dichloroethene	50		42	84	70-125
2,2-Dichloropropane	50		40	80	70-135
Bromochloromethane	50	н. - С	47	94	65-130
Chloroform	50		49	98	65-135
1,1,1-Trichloroethane	50		50	100	65-130
1,1-Dichloropropene	50		45	90	75-130
Carbon Tetrachloride	50		54	108	65-140
1,2-Dichloroethane	50		52	104	70-130
Benzene	50		43	86	80-120
Trichloroethene	50		45	90	70-125
1,2-Dichloropropane	50		42	84	75-125
Dibromomethane	50		47	94	75-125

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

\* Values outside of QC limits

COMMENTS:

page 1 of 3

Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix Spike - Sample No.: VT5LCS

SPIKE SAMPLE LCS LCS OC. ADDED CONCENTRATION CONCENTRATION 8 LIMITS COMPOUND (ug/L)(ug/L)(ug/L)REC # REC. \_\_\_\_\_**\_\_\_\_\_** ===== ====== \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ Bromodichloromethane 50 48 96 75-120 cis-1,3-Dichloropropene 50 41 82 70-130 4-Methyl-2-pentanone 50 33 66 60-135 50 Toluene 41 82 75-120 55-140 trans-1,3-Dichloroprope 50 42 84 1,1,2-Trichloroethane 50 44 75-125 88 1,3-Dichloropropane 50 42 84 75-125 Tetrachloroethene 50 54 108 45-150 2-Hexanone 50 35 70 55-130 Dibromochloromethane 50 60-135 44 88 1,2-Dibromoethane 50 43 80-120 86 Chlorobenzene 50 45 90 80-120 1,1,1,2-Tetrachloroetha 50 49 98 80-130 Ethylbenzene 50 43 75-125 86 m,p-Xylene 100 75-130 90 90 o-Xylene 47 80-120 50 94 Xylene (Total) 150 140 93 81-121 Styrene 50 45 90 65-135 Bromoform 50 39 78 70-130 Isopropylbenzene 50 46 92 75-125 1,1,2,2-Tetrachloroetha 50 38 76 65-130 Bromobenzene 50 45 90 75-125 75-125 1,2,3-Trichloropropane 50 32 64\* 50 70-130 n-Propylbenzene 43 86 2-Chlorotoluene 50 45 90 75-125 1,3,5-Trimethylbenzene 50 46 92 75-130 4-Chlorotoluene 50 45 90 75-130 tert-Butylbenzene 50 44 70-130 88

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

\* Values outside of QC limits

COMMENTS:

page 2 of 3

Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1131
Matrix Spike - Sample No.: VT5LCS	

· · ·	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %	QC. LIMITS
COMPOUND	(ug/L)	(ug/L)	(uq/L)	REC #	REC.
	(ug/ 1)		(ug/1)		
1,2,4-Trimethylbenzene	50		46	92	75-130
sec-Butylbenzene	50		44	88	70-125
4-Isopropyltoluene	50		46	92	75-130
1,3-Dichlorobenzene	50		47	94	75-125
1,4-Dichlorobenzene	50		45	90	75-125
n-Butylbenzene	. 50		45	90.	70-135
1,2-Dichlorobenzene	50		48	96	70-120
1,2-Dibromo-3-chloropro	50		38	76	50-130
1,2,4-Trichlorobenzene	50		43	. 86	65-135
Hexachlorobutadiene	50		44	88	50-140
Naphthalene	50	· · · ·	39	: 78	55-140
1,2,3-Trichlorobenzene	50		43	86	55-140

# 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: 1 out of 68 outside limits

COMMENTS:

page 3 of 3

### EPA SAMPLE NO.

4A VOLATILE METHOD BLANK SUMMARY

Lab Name: MITKEM CORPORATIONContract:VBLK20Lab Code: MITKEMCase No.:SAS No.:SDG No.: MF1131Lab File ID: V2J9212Lab Sample ID: MB-31897Date Analyzed: 08/27/07Time Analyzed: 1242GC Column: DB-624ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: V2

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

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01				
	V2OLCS	LCS-31897	V2J9213	1310
02	ASWDL	F1131-05ADL	V2J9217	1536
03	MW8SDL	F1131-02ADL	V2J9218	1605
04	VEW2	F1131-03A	V2J9219	1633
05	VEW1	F1131-06A	V2J9221	1702
06	K-2	F1131-08A	V2J9223	1759
07	K-4	F1131-09A	V2J9224	1828
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### COMMENTS:

page 1 of 1

FORM IV VOA

### EPA SAMPLE NO. 1A VOLATILE ORGANICS ANALYSIS DATA SHEET VBLK2O Lab Name: MITKEM CORPORATION Contract: SDG No.: MF1131 SAS No.: Lab Code: MITKEM Case No.: Matrix: (soil/water) WATER Lab Sample ID: MB-31897 Lab File ID: 5.000 (g/mL) ML V2J9212 Sample wt/vol: Date Received: Level: (low/med) LOW Date Analyzed: 08/27/07 % Moisture: not dec. ID: 0.25 (mm) Dilution Factor: 1.0 GC Column: DB-624 Soil Extract Volume:\_\_\_\_\_(uL) Soil Aliquot Volume: (uL) CONCENTRATION UNITS: COMPOUND (uq/L or uq/Kq) UG/L 0 CAS NO. 5 U 75-71-8-----Dichlorodifluoromethane 5 U 74-87-3-----Chloromethane 5 75-01-4-----Vinyl Chloride U 74-83-9----Bromomethane 5 U 5 75-00-3-----Chloroethane U 5 75-69-4-----Trichlorofluoromethane U 5 75-35-4-----1,1-Dichloroethene บ 5 67-64-1-----Acetone U 5 74-88-4-----Iodomethane U 75-15-0-----Carbon Disulfide 5 U 5 U 75-09-2-----Methylene Chloride 5 156-60-5-----trans-1,2-Dichloroethene U 5 1634-04-4-----Methyl tert-butyl ether U 75-34-3-----1,1-Dichloroethane 5 U 5 U 108-05-4-----Vinyl acetate 5 U 78-93-3-----2-Butanone 5 156-59-2----cis-1,2-Dichloroethene U 5 U 590-20-7----2,2-Dichloropropane 5 U 74-97-5-----Bromochloromethane 5 U 67-66-3-----Chloroform 5 U 71-55-6-----1,1,1,1-Trichloroethane 5 563-58-6-----1,1-Dichloropropene U 5 56-23-5-----Carbon Tetrachloride U 5 U 107-06-2-----1,2-Dichloroethane 71-43-2----Benzene 5 U 5 U 79-01-6-----Trichloroethene 5 U 78-87-5-----1,2-Dichloropropane

5 U 74-95-3----Dibromomethane 5 U 75-27-4----Bromodichloromethane 10061-01-5----cis-1,3-Dichloropropene 5 U 5 108-10-1-----4-Methyl-2-pentanone ט| 108-88-3----Toluene 5 lυ 10061-02-6----trans-1,3-Dichloropropene 5 U 5 U 79-00-5-----1,1,2-Trichloroethane

VOLATILE	1A CORGANICS ANALYSIS	DATA SHEET		EPA SAMPLE	NO.
Lab Name: MITKEM COF	PORATION C	ontract:		VBLK2O	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: MF113	1
Matrix: (soil/water)	WATER	Lab Sa	mple ID:	MB-31897	
Sample wt/vol:	5.000 (g/mL) ML	Lab Fi	le ID:	V2J9212	
Level: (low/med)	LOW	Date R	eceived:	·	
% Moisture: not dec.		Date A	nalyzed:	08/27/07	
GC Column: DB-624	ID: 0.25 (mm)	Diluti	on Facto:	r: 1.0	
Soil Extract Volume:	(uL)	Soil A	liquot Vo	olume:	(uL)
CAS NO.	COMPOUND	CONCENTRATIO (ug/L or ug/1		Q	
$\begin{array}{c} 127 - 18 - 4 \\ 591 - 78 - 6 \\ 124 - 48 - 1 \\ 106 - 93 - 4 \\ 108 - 90 - 7 \\ 630 - 20 - 6 \\ 100 - 41 - 4 \\ 95 - 47 - 6 \\ 1330 - 20 - 7 \\ 1330 - 20 - 7 \\ 100 - 42 - 5 \\ 75 - 25 - 2 \\ 98 - 82 - 8 \end{array}$		ne ne loroethane 		5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

108-86-1----Bromobenzene

103-65-1----n-Propylbenzene 95-49-8-----2-Chlorotoluene

106-43-4----4-Chlorotoluene 98-06-6-----tert-Butylbenzene

135-98-8----sec-Butylbenzene 99-87-6-----4-Isopropyltoluene 541-73-1-----1, 3-Dichlorobenzene 106-46-7-----1, 4-Dichlorobenzene

104-51-8----n-Butylbenzene

91-20-3-----Naphthalene

95-50-1-----1,2-Dichlorobenzene

87-68-3-----Hexachlorobutadiene

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

87-61-6-----1,2,3-Trichlorobenzene

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

96-18-4-----1,2,3-Trichloropropane

108-67-8-----1,3,5-Trimethylbenzene

95-63-6-----1,2,4-Trimethylbenzene

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EPA SAMPLE NO.

4A VOLATILE METHOD BLANK SUMMARY

Lab Name: MITKEM CORPORATIONContract:VBLK2PLab Code: MITKEMCase No.:SAS No.:SDG No.: MF1131Lab File ID: V2J9240Lab Sample ID: MB-31906Date Analyzed: 08/28/07Time Analyzed: 0159GC Column: DB-624ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: V2

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

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
		=======================================	=================	=======================================
01	V2PLCS	LCS-31906	V2J9241	0226
02	VEW1DL	F1131-06ADL	V2J9259	1051
03	VEW4	F1131-07A	V2J9260	1119
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COMMENTS:

page 1 of 1

FORM IV VOA

### 1A

	VOLATI	E ORGANICS ANALYSIS	5 DATA SHEET			
					VBLK2P	
lb Na	ame: MITKEM CO	RPORATION (	Contract:		<u> </u>	
b Co	ode: MITKEM	Case No.:	SAS No.:	SDG (	No.: MF1131	•
triz	x: (soil/water	) WATER	Lab S	Sample ID:	MB-31906	
mple	e wt/vol:	5.000 (g/mL) ML	Lab F	'ile ID:	V2J9240	
vel	: (low/med)	LOW	Date	Received:		
Mois	sture: not dec	•	Date	Analyzed:	08/28/07	
Co]	lumn: DB-624	ID: 0.25 (mm)	Dilut	ion Factor	: 1.0	
il B	Extract Volume	:(uL)	Soil	Aliquot Vo	lume:	
			CONCENTRATI	ON UNITS:		
	CAS NO.	COMPOUND	(ug/L or ug		Q	
	75-71-8	Dichlorodifluor	omethane		5 U	
	74-87-3	Chloromethane			5 U	
	75-01-4	Vinyl Chloride		·	5 Ū	
	74-83-9	Bromomethane -			5 U	
	75-00-3	Chloroethane			5 U	
	75-69-4	Trichlorofluoro	methane		5 Ū	
	75-35-4	1,1-Dichloroeth	ene		5 U	
	67-64-1	Acetone	<u></u>		5 U	
[	71 - 88 - 1	Iodomethane				
	74-00-4	Carbon Disulfid			5 U	
	75-15-0	Mathalana Galas	e		5 U	
	15-09-2	Methylene Chlor	1de		5 U	
	156-60-5	trans-1,2-Dichl	oroethene		5 U	
	1634-04-4	Methyl tert-but	yl ether		5 U	
	75-34-3	1,1-Dichloroeth	ane		5 U	
	108-05-4	Vinyl acetate			5 U	
	78-93-3	2-Butanone —			5 U	
	156-59-2	cis-1,2-Dichlor	oethene		5 U	
	590-20-7	2,2-Dichloropro	pane		5 U	
	74-97-5	Bromochlorometh	ane		5 U	
Í	67-66-3	Chloroform			5 U	
		1,1,1-Trichloro	ethane		5 U	
	563-58-6	1,1-Dichloropro	nono		5 0	
	56-23-5	Carbon Tetrachl	oride			
	107-06-2	1,2-Dichloroeth	211UC			
	71-43-2	= Repropo	anic		5 U	
	70_01 C	Benzene Trichloroethene			5 U	
	70 07 F				5 U	
		1,2-Dichloropro	pane		5 U	
		Dibromomethane_			5 U	
	/5-2/-4	Bromodichlorome	thane		5 U	
	10061-01-5	cis-1,3-Dichlor	opropene		5 U	
	108-10-1	4-Methyl-2-pent	anone		5 U	
	108-88-3	Toluene			5 U	
	10061-02-6	trans-1,3-Dichl	oropropene		5 Ū	
		1,1,2-Trichloro		1		
	//-00:-0		etnane	1	510 1	

FORM I VOA

### EPA SAMPLE NO. 1 A VOLATILE ORGANICS ANALYSIS DATA SHEET VBLK2P Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM SAS No.: SDG No.: MF1131 Case No.: Matrix: (soil/water) WATER Lab Sample ID: MB-31906 Sample wt/vol: 5.000 (q/mL) ML Lab File ID: V2J9240 Date Received: Level: (low/med) LOW Date Analyzed: 08/28/07 % Moisture: not dec. ID: 0.25 (mm) GC Column: DB-624 Dilution Factor: 1.0 Soil Aliquot Volume: (uL) Soil Extract Volume: (uL) CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L 0 5 U 142-28-9-----1,3-Dichloropropane 127-18-4-----Tetrachloroethene 5 U 5 U 591-78-6----2-Hexanone 5 124-48-1-----Dibromochloromethane U 5 106-93-4-----1,2-Dibromoethane U 5 108-90-7----Chlorobenzene U 630-20-6----1,1,1,2-Tetrachloroethane 5 5 5 U 100-41-4-----Ethylbenzene U -----m,p-Xylene 117 5 95-47-6----o-Xylene U 1330-20-7-----Xylene (Total) 5 U 5 5 100-42-5-----Styrene\_ U 75-25-2----Bromoform U 98-82-8-----Isopropylbenzene 5 U 79-34-5-----1,1,2,2-Tetrachloroethane 5 U 5 108-86-1----Bromobenzene U 5 96-18-4-----1,2,3-Trichloropropane U 5 103-65-1----n-Propylbenzene U 95-49-8-----2-Chlorotoluene 5 U 108-67-8-----1,3,5-Trimethylbenzene 5 U 5 5 ט| 106-43-4-----4-Chlorotoluene 98-06-6-----tert-Butylbenzene U 5 95-63-6-----1,2,4-Trimethylbenzene บ 5 U 135-98-8-----sec-Butylbenzene 5 99-87-6-----4-Isopropyltoluene

### FORM I VOA

541-73-1-----1,3-Dichlorobenzene 106-46-7-----1,4-Dichlorobenzene

95-50-1-----1,2-Dichlorobenzene

87-68-3-----Hexachlorobutadiene

87-61-6-----1,2,3-Trichlorobenzene

96-12-8-----1,2-Dibromo-3-chloropropane\_ 120-82-1-----1,2,4-Trichlorobenzene\_\_\_\_\_

104-51-8----n-Butylbenzene

91-20-3-----Naphthalene

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### EPA SAMPLE NO.

4A VOLATILE METHOD BLANK SUMMARY

Lab Name: MITKEM CORPORATIONContract:VBLKT5Lab Code: MITKEM Case No.:SAS No.:SDG No.: MF1131Lab File ID: V5H9874Lab Sample ID: MB-31880Date Analyzed: 08/25/07Time Analyzed: 0113GC Column: DB-624ID: 0.25 (mm)Heated Purge: (Y/N) NInstrument ID: V5V5

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

		• · · · · · · · · · · · · · · · · · · ·		
	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	==================	==============================	======================================	===========
01	VT5LCS	LCS-31880	V5H9875	0140
02	MW8D	F1131-01A	V5H9876	0207
03	MW8S	F1131-02A	V5H9877	
03	VEW3	F1131-02A F1131-04A		0233
			V5H9879	0326
05	ASW	F1131-05A	V5H9880	0353
06	MW15S	F1131-10A	V5H9885	×0606 x
07	MW15D	F1131-11A	V5H9886	0633
08	K13	F1131-12A	V5H9887	0700
09	FLUSHMOUNT	F1131-13A	V5H9888	0726
10	TB081407	F1131-14A	V5H9889	0753
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### COMMENTS:

page 1 of 1

FORM IV VOA

## 1A

EPA SAMPLE NO.

		VBLKT5
No.: SAS No	SDC	G No.: MF1131
ER	Lab Sample ID	: MB-31880
00 (g/mL) ML	Lab File ID:	V5H9874
	Date Received	:
	Date Analyzed	: 08/25/07
0.25 (mm)	Dilution Facto	or: 1.0
(uL)	Soil Aliquot N	Volume:(uL
CONCE		
hloromethane inyl Chloride romomethane hloroethane richlorofluoromethane ,1-Dichloroethene cetone odomethane arbon Disulfide ethylene Chloride rans-1,2-Dichloroethe ethyl tert-butyl ethe ,1-Dichloroethane inyl acetate -Butanone is-1,2-Dichloroethene ,2-Dichloropropane romochloromethane hloroform ,1,1-Trichloroethane arbon Tetrachloride ,2-Dichloropropene arbon Tetrachloride ,2-Dichloropropane ibromomethane romodichloromethane is-1,3-Dichloropropene -Methyl-2-pentanone oluene	ne	5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5       U         5
	No.: SAS NC ER 00 (g/mL) ML 0.25 (mm) (uL) CONCE OMPOUND (ug/L ichlorodifluoromethan hloromethane inyl Chloride romomethane inyl Chloride romomethane inyl Chlorothene cetone odomethane arbon Disulfide ethylene Chloride rans-1,2-Dichloroethene is-1,2-Dichloroethene is-1,2-Dichloroethene is-1,2-Dichloroethene is-1,2-Dichloroethene is-1,2-Dichloroethene ,2-Dichloropropane nomochloromethane hloroform 1,1-Trichloroethene ,2-Dichloropropane is-1,3-Dichloropropane is-1,3-Dichloropropene is-1,3-Dichloropropene is-1,3-Dichloropropene is-1,3-Dichloropropene is-1,3-Dichloropropene is-1,3-Dichloropropene is-1,3-Dichloropropene is-1,3-Dichloropropene is-1,3-Dichloropropene is-1,3-Dichloropropene -Methyl-2-pentanone oluene rans-1,3-Dichloropropene	ER Lab Sample ID 00 (g/mL) ML Lab File ID: Date Received Date Analyzed 0.25 (mm) Dilution Factor (uL) Soil Aliquot V CONCENTRATION UNITS OMPOUND (ug/L or ug/Kg) UG/J ichlorodifluoromethane hloromethane inyl Chloride romomethane hloroethane richlorofluoromethane ,1-Dichloroethene cetone odomethane arbon Disulfide ethylene Chloride rans-1,2-Dichloroethene is-1,2-Dichloroethene jDichloroethane is-1,2-Dichloroethene arbon Tetrachloride ,2-Dichloropropane romochloromethane ,1.1-Trichloroethane j.1.1-Trichloroethane j.2-Dichloropropane romochloromethane is-1,3-Dichloropropene arbon Tetrachloride z-Dichloropropene arbon Z-Dichloropropene z-Dichloropropene z-Dichloropropene z-Dichloropro

### FORM I VOA

### 1A

	VOLATILI	E ORGANICS ANALYS	IS DATA SI	HEET				
						175	BLKT5	
Lab Na	ame: MITKEM CO	RPORATION	Contract	:	.			
Lab Co	ode: MITKEM	Case No.:	SAS No	.:	SDG	No.:	MF1131	
Matriz	x: (soil/water)	WATER		Lab Sam	ple ID:	MB-31	.880	
Sample	e wt/vol:	5.000 (g/mL) ML		Lab File	e ID:	V5H98	374	
Level	: (low/med)	LOW	,	Date Red	ceived:			
% Mois	sture: not dec.	•		Date Ana	alyzed:	08/25	/07	
GC Col	lumn: DB-624	ID: 0.25 (mm)		Dilution	n Factor	r: 1.0	)	
Soil H	Extract Volume:	(uL)		Soil Al:	iquot Vo	olume:		
	CAS NO.	COMPOUND		NTRATION or ug/Kg			Q	
	127-18-4 591-78-6	1,3-Dichloropr Tetrachloroeth 2-Hexanone	nene			5 5	บ บ บ	
· .	106-93-4 108-90-7 630-20-6	Dibromochlorom 1,2-Dibromoeth Chlorobenzene 1,1,1,2-Tetrac Ethylbenzene	nane	ane		5 5 5	U U U U U U	
	95-47-6 1330-20-7	m,p-Xylene o-Xylene Xylene (Total)	×			5		
	100-42-5 75-25-2 98-82-8	Styrene Bromoform Isopropylbenze	ene			5 5 5	บ บ บ	
	108-86-1	1,1,2,2-Tetrac Bromobenzene 1,2,3-Trichlor		ine		5	U U U	
	103-65-1	n-Propylbenzer	ne – –			5	U U	
	108-67-8 106-43-4	1,3,5-Trimethy	/lbenzene_ he			5	U U	
	98-06-6 95-63-6	tert-Butylbenz	zene /lbenzene			5	บ บ	
	99-87-6	sec-Butylbenze 4-Isopropyltol	luene			5	บ บ.	
	541-73-1 106-46-7	1,3-Dichlorobe	enzene			5	บ บ	
	95-50-1	n-Butylbenzene 1,2-Dichlorobe	nzene			5	บ บ (	
	120-82 <b>-</b> 1	1,2-Dibromo-3- 1,2,4-Trichlor	cobenzene	pane_		5	บ บ	
	91-20-3	Hexachlorobuta					บ บ	
	07 61 6	$-1^{2}$ $-1^{2}$ $-1^{2}$	a b a m m a m a				FT	

FORM I VOA

87-61-6-----1,2,3-Trichlorobenzene

OLM03.0

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# NI II TKEM Corporation

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### 1B

1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: MITKEM COR	PORATION	Contract:	ASW
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.: MF1131
Matrix: (soil/water)	WATER	Lab Sampl	e ID: F1131-05C
Sample wt/vol:	1000 (g/mL) ML	Lab File	ID: S3E5606
Level: (low/med)	LOW	Date Rece	eived: 08/15/07
% Moisture:	decanted: $(Y/N)$	Date Extr	acted:08/15/07
Concentrated Extract	Volume: 1000(1	ıL) Date Anal	yzed: 08/27/07
Injection Volume:	1.0(uL)	Dilution	Factor: 2.0
GPC Cleanup: (Y/N)	N pH:		

CAS NO.

COMPOUND

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

Q

108-95-2Phenol	20	υ
111-44-4bis(2-Chloroethyl)Ether	20	U
95-57-82-Chlorophenol	20	
541-73-11,3-Dichlorobenzene	20	U
106-46-71,4-Dichlorobenzene	2	J
95-50-11,2-Dichlorobenzene	19	J
95-48-72-Methylphenol	20	υ
108-60-12,2'-oxybis(1-Chloropropane)		
106-44-54-Methylphenol	170	
621-64-7N-Nitroso-di-n-propylamine	20	U
67-72-1Hexachloroethane	20	
98-95-3Nitrobenzene	20	
78-59-1Isophorone	20	1
88-75-52-Nitrophenol	20	υ
105-67-92,4-Dimethylphenol	20	U
120-83-22,4-Dichlorophenol	20	1
120-82-11,2,4-Trichlorobenzene	20	υ
91-20-3Naphthalene	110	
106-47-84-Chloroaniline	20	U
87-68-3Hexachlorobutadiene	20	
111-91-1bis(2-Chloroethoxy)methane	20	Ū
59-50-74-Chloro-3-Methylphenol	20	
91-57-62-Methylnaphthalene	50	-
77-47-4Hexachlorocyclopentadiene	20	U
88-06-22,4,6-Trichlorophenol	20	U
95-95-42,4,5-Trichlorophenol	40	U
91-58-72-Chloronaphthalene	20	
88-74-42-Nitroaniline	40	
131-11-3Dimethylphthalate	20	1
208-96-8Acenaphthylene	20	-
606-20-22,6-Dinitrotoluene	20	
99-09-23-Nitroaniline	40	1
83-32-9Acenaphthene	20	U
	·  20	
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### FORM I SV-1

1C

COMPOUND

CAS NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Q

ASW Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-05C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5606 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: decanted: (Y/N) Date Extracted:08/15/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/27/07 Injection Volume: 1.0(uL) Dilution Factor: 2.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

(uq/L or uq/Kq) UG/L

51-28-5-----2,4-Dinitrophenol 40 U 100-02-7-----4-Nitrophenol 40 U 132-64-9----Dibenzofuran 20 U 121-14-2----2,4-Dinitrotoluene 20 U 84-66-2-----Diethylphthalate 20 U 7005-72-3-----4-Chlorophenyl-phenylether 20 U 86-73-7-----Fluorene 20 U 100-01-6----4-Nitroaniline 40 U 534-52-1-----4,6-Dinitro-2-methylphenol 40 U 86-30-6-----N-Nitrosodiphenylamine (1) 20 U 101-55-3-----4-Bromophenyl-phenylether 20 U 118-74-1-----Hexachlorobenzene 20 U 87-86-5-----Pentachlorophenol 40 U 85-01-8-----Phenanthrene 20 U 120-12-7----Anthracene 20 U 86-74-8-----Carbazole 20 U 84-74-2-----Di-n-butylphthalate 4 | J 206-44-0----Fluoranthene 20 U 129-00-0----Pyrene 20 U 85-68-7-----Butylbenzylphthalate 20 U 91-94-1-----3,3'-Dichlorobenzidine 20 U 56-55-3-----Benzo(a)anthracene 20 U 218-01-9-----Chrysene 20 U 117-81-7-----bis(2-Ethylhexyl)phthalate 2 J 117-84-0----Di-n-octylphthalate 20 U 205-99-2----Benzo (b) fluoranthene 20 U 207-08-9-----Benzo(k) fluoranthene 20 U 50-32-8-----Benzo(a)pyrene 20 U 193-39-5-----Indeno(1,2,3-cd)pyrene 20 U 53-70-3-----Dibenzo(a,h)anthracene 20 U 191-24-2----Benzo(g,h,i)perylene 20 U

(1) - Cannot be separated from Diphenylamine

### FORM I SV-2

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

FLUSHMOUNT Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-13C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5579 Date Received: 08/15/07 Level: (low/med) LOW % Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_ Date Extracted:08/15/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/24/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: \_\_\_\_ CONCENTRATION UNITS:

CAS NO. COMPOUND

(ug/L or ug/Kg) UG/L

Q

108-95-2Phenol		10	υ
111-44-4bis(2-Chloroet	hyl)Ether	10	U
95-57-82-Chlorophenol	<u> </u>	10	U
541-73-11,3-Dichlorobe	nzene	10	U
106-46-71,4-Dichlorobe	nzene	10	U
95-50-11,2-Dichlorobe	nzene	10	υ
95-48-72-Methylphenol	·····	10	U
108-60-12,2'-oxybis(1-	Chloropropane)	10	Ū
106-44-54-Methylphenol		10	-
621-64-7N-Nitroso-di-n	-propylamine	10	
67-72-1Hexachloroetha		10	
98-95-3Nitrobenzene		10	Ū
78-59-1Isophorone		10	-
88-75-52-Nitrophenol		10	IJ
105-67-92,4-Dimethylph	enol	10	-
120-83-22,4-Dichloroph	enol	10	
120-82-11,2,4-Trichlor	obenzene	10	-
91-20-3Naphthalene		10	
106-47-84-Chloroanilin	۵	10	-
87-68-3Hexachlorobuta		10	
111-91-1bis(2-Chloroet		10	-
59-50-74-Chloro-3-Met		10	-
91-57-62-Methylnaphth		10	-
77-47-4Hexachlorocycl		10	-
88-06-22,4,6-Trichlor		10	-
95-95-42,4,5-Trichlor		20	-
91-58-72-Chloronaphth	alene	10	-
88-74-42-Nitroaniline		20	-
131-11-3Dimethylphthal	ate	10	-
208-96-8Acenaphthylene		10	-
606-20-22,6-Dinitrotol	uene	10	
99-09-23-Nitroaniline		20	U
83-32-9Acenaphthene		10	U
55 52 5 Acenapitenene		TO	5

### FORM I SV-1

OLM03.0

gøøs

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATTON	Contract:		FLUSHMOUNT
Lab Name. Million con		concract.	ł	· · · ·
Lab Code: MITKEM (	Case No.:	SAS No.:	SDG	No.: MF1131
Matrix: (soil/water)	WATER	Lab S	Sample ID:	F1131-13C
Sample wt/vol:	1000 (g/mL) ML	Lab 1	File ID:	S3E5579
Level: (low/med)	LOW	Date	Received:	08/15/07
% Moisture:	decanted: $(Y/N)$	Date	Extracted	:08/15/07
Concentrated Extract	Volume: 1000	(uL) Date	Analyzed:	08/24/07
Injection Volume:	1.0(uL)	Dilut	tion Facto	r: 1.0
GPC Cleanup: (Y/N)	N pH:	-		
		CONCENTRATI	ION UNITS:	

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

Q

	r · · · · · · · · · · · · · · · · · · ·	
51-28-52,4-Dinitrophenol 100-02-74-Nitrophenol	20 20	ប
132-64-9Dibenzofuran 121-14-22,4-Dinitrotoluene	10 10	
84-66-2Diethylphthalate	10	U
7005-72-34-Chlorophenyl-phenylether 86-73-7Fluorene	10 10	
100-01-64-Nitroaniline	20	U
534-52-14,6-Dinitro-2-methylphenol 86-30-6N-Nitrosodiphenylamine (1)	20 10	
101-55-34-Bromophenyl-phenylether	10	U
118-74-1Hexachlorobenzene 87-86-5Pentachlorophenol	10 20	
85-01-8Phenanthrene	10	U
120-12-7Anthracene 86-74-8Carbazole	10 10	
84-74-2Di-n-butylphthalate	10	U
206-44-0Fluoranthene 129-00-0Pyrene	10 10	
85-68-7Butylbenzylphthalate	10	U
91-94-13,3'-Dichlorobenzidine 56-55-3Benzo(a)anthracene	10 10	
218-01-9Chrysene	10	
117-81-7bis(2-Ethylhexyl)phthalate	10 10	
205-99-2Benzo(b)fluoranthene	10	
207-08-9Benzo(k)fluoranthene 50-32-8Benzo(a)pyrene	10 10	
193-39-5Indeno (1, 2, 3-cd) pyrene	10	
53-70-3Dibenzo(a,h)anthracene 191-24-2Benzo(g,h,i)perylene	10 10	
1) - Cannot be separated from Diphenvlamine		

(1) - Cannot be separated from Diphenylamine

### FORM I SV-2

SEMIVOLATI	LE ORGANICS ANALYSIS DA	TA SHEET	
Lab Name: MITKEM CORI	PORATION Contra	ct:	K-2
Lab Code: MITKEM	Case No.: SAS N	o.: SDG 1	No.: MF1131
Matrix: (soil/water)	WATER	Lab Sample ID:	F1131-08C
Sample wt/vol:	1000 (g/mL) ML	Lab File ID:	S3E5575
Level: (low/med)	LOW	Date Received:	08/15/07
<pre>% Moisture:</pre>	decanted: (Y/N)	Date Extracted	:08/15/07
Concentrated Extract	Volume: 1000(uL)	Date Analyzed:	08/24/07
Injection Volume:	1.0(uL)	Dilution Facto	r: 1.0
GPC Cleanup: (Y/N)	N pH:		
	CONT		

COMPOUND

CAS NO.

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

Q

108-95-2Phenol 111-44-4bis(2-Chloroethyl)Ether 95-57-82-Chlorophenol 541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 95-50-11,2-Dichlorobenzene	10 10 10 10 10 10	บ บ บ บ
95-48-72-Methylphenol 108-60-12,2'-oxybis(1-Chloropropane) 106-44-5Nethylphenol 621-64-7N-Nitroso-di-n-propylamine	10 10 10	บ บ บ
67-72-1Hexachloroethane 98-95-3Nitrobenzene 78-59-1Isophorone 88-75-52-Nitrophenol 105-67-92,4-Dimethylphenol	10 10 10 10 10	U U U
120-83-22,4-Dichlorophenol 120-82-11,2,4-Trichlorobenzene 91-20-3Naphthalene 106-47-84-Chloroaniline 87-68-3Hexachlorobutadiene	10 10 10 10 10	บ บ บ
111-91-1bis(2-Chloroethoxy)methane 59-50-74-Chloro-3-Methylphenol 91-57-62-Methylnaphthalene 77-47-4Hexachlorocyclopentadiene	10 10 10 10	บ บ บ บ
88-06-22,4,6-Trichlorophenol 95-95-42,4,5-Trichlorophenol 91-58-72-Chloronaphthalene 88-74-42-Nitroaniline 131-11-3Dimethylphthalate	10 20 10 20 10	บ บ บ
208-96-8Acenaphthylene 606-20-22,6-Dinitrotoluene 99-09-23-Nitroaniline 83-32-9Acenaphthene	10 10	υ

### FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

K-2 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-08C Lab File ID: S3E5575 Sample wt/vol: 1000 (g/mL) ML Level: (low/med) LOW Date Received: 08/15/07 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:08/15/07 1000 (uL) Concentrated Extract Volume: Date Analyzed: 08/24/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

Q

1		T	i
	2,4-Dinitrophenol	20	υ
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
	Diethylphthalate	10	U
	4-Chlorophenyl-phenylether	10	U
86-73-7		10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
	Pentachlorophenol	20	U
	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
	Fluorantĥene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	. 10	U
91-94-1	3,3 <sup>1</sup> -Dichlorobenzidine	10	U
56-55-3	Benzo(a) anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	υ
207-08-9	Benzo(k)fluoranthene	10	υ
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	υ
53-70-3	Dibenzo(a,h)anthracene	10	υ
191-24-2	Benzo(g,h,i)perylene	10	U
1 Connot ho	constrated from Diphonylaming		

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

OLM03.0

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### 1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

127	2		

Lab Name: MITKEM CORPORATION	Contract:	K13
Lab Code: MITKEM Case No.:	SAS No.:	SDG No.: MF1131
Matrix: (soil/water) WATER	Lab Sample	ID: F1131-12C
Sample wt/vol: 1000 (g/mL)	ML Lab File II	D: S3E5578
Level: (low/med) LOW	Date Receiv	ved: 08/15/07
% Moisture: decanted: (Y	/N) Date Extrac	cted:08/15/07
Concentrated Extract Volume: 1	000(uL) Date Analyz	zed: 08/24/07
Injection Volume: 1.0(uL)	Dilution Fa	actor: 1.0
GPC Cleanup: (Y/N) N pH:		
CAS NO. COMPOUND	CONCENTRATION UN (ug/L or ug/Kg) (	

108-95-2----Phenol 111-44-4----bis (2-Chloroethyl) Ether 95-57-8----2-Chlorophenol 541-73-1-----1, 3-Dichlorobenzene 106-46-7-----1,4-Dichlorobenzene 95-50-1-----1,2-Dichlorobenzene 95-48-7----2-Methylphenol 108-60-1-----2,2'-oxybis(1-Chloropropane) 106-44-5----4-Methylphenol 621-64-7-----N-Nitroso-di-n-propylamine 67-72-1-----Hexachloroethane 98-95-3----Nitrobenzene 78-59-1----Isophorone 88-75-5-----2-Nitrophenol 105-67-9-----2,4-Dimethylphenol 120-83-2-----2,4-Dichlorophenol 120-82-1-----1,2,4-Trichlorobenzene 91-20-3-----Naphthalene 106-47-8-----4-Chloroaniline

87-68-3-----Hexachlorobutadiene

91-57-6-----2-Methylnaphthalene

88-06-2-----2,4,6-Trichlorophenol

95-95-4-----2,4,5-Trichlorophenol

91-58-7-----2-Chloronaphthalene

131-11-3-----Dimethylphthalate

606-20-2-----2,6-Dinitrotoluene

88-74-4----2-Nitroaniline

208-96-8-----Acenaphthylene

99-09-2-----3-Nitroaniline

83-32-9-----Acenaphthene

111-91-1-----bis (2-Chloroethoxy) methane

77-47-4-----Hexachlorocyclopentadiene

59-50-7-----4-Chloro-3-Methylphenol

10 U 20 U 10 U

20 U

10 U

10 U

10 U

20 U

10 U

10 U

FORM I SV-1

### 1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

K13 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-12C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5578 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_\_ Date Extracted:08/15/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/24/07 Injection Volume: 1.0(uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

### (ug/L or ug/Kg) UG/L

U.	
~	

51-28-5	2,4-Dinitrophenol	20	υ
	4-Nitrophenol	20	
	Dibenzofuran	10	
	2,4-Dinitrotoluene	10	
84-66-2	Diethylphthalate	10	1
	4-Chlorophenyl-phenylether	10	
86-73-7	Fluorene	10	
	4-Nitroaniline	20	
	4,6-Dinitro-2-methylphenol	20	
	Nitrosodiphenylamine (1)	10	
101-55-3	4-Bromophenyl-phenylether	10	
118-74-1	Hexachlorobenzene	10	
	Pentachlorophenol	20	
	Phenanthrene	10	
	Anthracene	10	
86-74-8	Carbazole	10	
84-74-2	Di-n-butylphthalate	10	
206-44-0	Fluoranthene	10	
129-00-0	Pyrene	10	
	Butylbenzylphthalate	10	
91-94-1	3,3'-Dichlorobenzidine	10	
56-55-3	Benzo(a)anthracene	10	1
218-01-9	Chrysene	10	
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	ש
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	
50-32-8	Benzo(a)pyrene	10	1
193-39-5	Indeno (1,2,3-cd) pyrene	10	
53-70-3	Dibenzo(a,h)anthracene	10	U
101 04 0	Benzo(g,h,i)perylene	10	υ

(1) - Cannot be separated from Diphenylamine

### FORM I SV-2

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW15D Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-11C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5577 Date Received: 08/15/07 Level: (low/med) LOW % Moisture: decanted: (Y/N) Date Extracted:08/15/07 Concentrated Extract Volume: Date Analyzed: 08/24/07 1000(uL) Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L CAS NO. COMPOUND Q

	·····	1
108-95-2Phenol	10	0
111-44-4bis(2-Chloroethyl)Ether	10	IJ
95-57-82-Chlorophenol	10	
541-73-11,3-Dichlorobenzene	10	1
106-46-71,4-Dichlorobenzene	10	
95-50-11,2-Dichlorobenzene	10	1
95-48-72-Methylphenol	10	-
108-60-12,2'-oxybis (1-Chloropropane)		4
106-44-54-Methylphenol	10	-
621-64-7N-Nitroso-di-n-propylamine	10	
67-72-1Hexachloroethane	10	1
98-95-3Nitrobenzene	10	-
78-59-1Isophorone	10	
88-75-52-Nitrophenol	10	4
105-67-92,4-Dimethylphenol	10	(
120-83-22,4-Dichlorophenol	10	U
120-82-11,2,4-Trichlorobenzene	10	U
91-20-3Naphthalene	10	U
106-47-84-Chloroaniline	10	U
87-68-3Hexachlorobutadiene	10	U
111-91-1bis (2-Chloroethoxy) methane	10	U
59-50-74-Chloro-3-Methylphenol	10	
91-57-62-Methylnaphthalene	10	1
77-47-4Hexachlorocyclopentadiene	10	-
88-06-22,4,6-Trichlorophenol	10	1
95-95-42,4,5-Trichlorophenol	20	1
91-58-72-Chloronaphthalene	10	1
88-74-42-Nitroaniline	20	1
131-11-3Dimethylphthalate	10	1
		-
208-96-8Acenaphthylene	10	1
606-20-22,6-Dinitrotoluene	10	1
99-09-23-Nitroaniline	20	
83-32-9Acenaphthene	10	ט

### FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

1.5

Lab Name: MITKEM COR	PORATION	Contract		MW15D
			-	
Lab Code: MITKEM	Case No.:	SAS No.	: SDG	No.: MF1131
Matrix: (soil/water)	WATER		Lab Sample ID:	F1131-11C
Sample wt/vol:	1000 (g/mL) ML		Lab File ID:	S3E5577
Level: (low/med)	LOW		Date Received:	08/15/07
% Moisture:	decanted: $(Y/N)_{}$		Date Extracted	l:08/15/07
Concentrated Extract	Volume: 1000(	uL)	Date Analyzed:	08/24/07
Injection Volume:	1.0(uL)		Dilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:	-		
CAS NO.	COMPOUND		VTRATION UNITS: or ug/Kg) UG/L	

100-02-74-Nitrophenol       20         132-64-9Dibenzofuran       10         121-14-22,4-Dinitrotoluene       10         84-66-2Diethylphthalate       10         7005-72-34-Chlorophenyl-phenylether       10         86-73-7Fluorene       10         100-01-64-Nitroaniline       20         534-52-14,6-Dinitro-2-methylphenol       20         86-30-6N-Nitrosodiphenylamine (1)       10         101-55-34-Bromophenyl-phenylether       10         118-74-1Hexachlorobenzene       10         87-86-5Pentachlorophenol       20         85-01-8Phenanthrene       10         120-12-7Anthracene       10         86-74-8Phenanthrene       10         120-12-7	
100-02-74-Nitrophenol       20         132-64-9Dibenzofuran       10         121-14-22,4-Dinitrotoluene       10         84-66-2Diethylphthalate       10         7005-72-34-Chlorophenyl-phenylether       10         86-73-7Fluorene       10         100-01-64-Nitroaniline       20         534-52-14,6-Dinitro-2-methylphenol       20         86-30-6N-Nitrosodiphenylamine (1)       10         101-55-34-Bromophenyl-phenylether       10         118-74-1Hexachlorobenzene       10         87-86-5Pentachlorophenol       20         85-01-8Phenanthrene       10         120-12-7Anthracene       10         84-74-2Di-n-butylphthalate       10         129-00-0	0 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U
132-64-9Dibenzofuran       10         121-14-22,4-Dinitrotoluene       10         84-66-2Diethylphthalate       10         7005-72-34-Chlorophenyl-phenylether       10         86-73-7Fluorene       10         100-01-64-Nitroaniline       20         534-52-14,6-Dinitro-2-methylphenol       20         86-30-6N-Nitrosodiphenylamine_(1)       10         101-55-34-Bromophenyl-phenylether       10         118-74-1Hexachlorophenzene       10         87-86-5Pentachlorophenol       20         85-01-8Phenanthrene       10         120-12-7Anthracene       10         86-74-8Carbazole       10         84-74-2	0 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U 0 U
121-14-22,4-Dinitrotoluene       10         84-66-2Diethylphthalate       10         7005-72-34-Chlorophenyl-phenylether       10         86-73-7Fluorene       10         100-01-64-Nitroaniline       20         534-52-14,6-Dinitro-2-methylphenol       20         86-30-6N-Nitrosodiphenylamine (1)       10         101-55-34-Bromophenyl-phenylether       10         118-74-1Hexachlorobenzene       10         87-86-5Pentachlorophenol       20         85-01-8Phenanthrene       10         120-12-7Anthracene       10         86-74-8Carbazole       10         84-74-2	
84-66-2Diethylphthalate       10         7005-72-34-Chlorophenyl-phenylether       10         86-73-7Fluorene       10         100-01-6Fluorene       10         100-01-6	
7005-72-34-Chlorophenyl-phenylether       10         86-73-7Fluorene       10         100-01-6Fluorene       20         534-52-14,6-Dinitro-2-methylphenol       20         86-30-6N-Nitrosodiphenylamine_(1)       10         101-55-34-Bromophenyl-phenylether       10         118-74-1Hexachlorobenzene       10         87-86-5Pentachlorophenol       20         85-01-8Phenanthrene       10         120-12-7Anthracene       10         86-74-8Carbazole       10         84-74-2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
86-73-7Fluorene       10         100-01-64-Nitroaniline       20         534-52-14, 6-Dinitro-2-methylphenol       20         86-30-6N-Nitrosodiphenylamine_(1)       10         101-55-34-Bromophenyl-phenylether       10         101-55-34-Bromophenyl-phenylether       10         118-74-1Hexachlorobenzene       10         87-86-5Pentachlorophenol       20         85-01-8Phenanthrene       10         120-12-7Anthracene       10         86-74-8Carbazole       10         84-74-2Di-n-butylphthalate       10         206-44-0Fluoranthene       10         129-00-0Pyrene       10         85-68-7Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       10	U U U U U U U U U U U
100-01-64-Nitroaniline       20         534-52-14,6-Dinitro-2-methylphenol       20         86-30-6N-Nitrosodiphenylamine_(1)       10         101-55-34-Bromophenyl-phenylether       10         101-55-34-Bromophenyl-phenylether       10         118-74-1Hexachlorobenzene       10         87-86-5Pentachlorophenol       20         85-01-8Phenanthrene       10         120-12-7Anthracene       10         86-74-8Carbazole       10         84-74-2Di-n-butylphthalate       10         206-44-0Fluoranthene       10         129-00-0Butylbenzylphthalate       10         91-94-1	ひ ひ ひ ひ ひ ひ ひ ひ ひ
534-52-14,6-Dinitro-2-methylphenol       20         86-30-6N-Nitrosodiphenylamine_(1)       10         101-55-34-Bromophenyl-phenylether       10         118-74-1Hexachlorobenzene       10         87-86-5Pentachlorophenol       20         85-01-8Phenanthrene       10         120-12-7Anthracene       10         86-74-8Carbazole       10         84-74-2Di-n-butylphthalate       10         206-44-0Fluoranthene       10         129-00-0Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       10	U U U U U U U
86-30-6N-Nitrosodiphenylamine_(1)       10         101-55-34-Bromophenyl-phenylether       10         118-74-1Hexachlorobenzene       10         87-86-5Pentachlorophenol       20         85-01-8Phenanthrene       10         120-12-7Anthracene       10         86-74-8Carbazole       10         84-74-2Di-n-butylphthalate       10         206-44-0Fluoranthene       10         129-00-0Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       10	ט ט ט ט ט ט
101-55-34-Bromophenyl-phenylether       10         118-74-14-Bromophenyl-phenylether       10         118-74-14-Bromophenyl-phenylether       10         87-86-5Hexachlorobenzene       10         87-86-5Pentachlorophenol       20         85-01-8Pentachlorophenol       20         85-01-8Phenanthrene       10         120-12-7Anthracene       10         86-74-8Carbazole       10         84-74-2Di-n-butylphthalate       10         206-44-0Fluoranthene       10         129-00-0Pyrene       10         85-68-7Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       10	บ บั
118-74-1Hexachlorobenzene       10         87-86-5Pentachlorophenol       20         85-01-8Phenanthrene       10         120-12-7Phenanthrene       10         86-74-8Carbazole       10         84-74-2Di-n-butylphthalate       10         206-44-0Fluoranthene       10         129-00-0Pyrene       10         85-68-7Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       10	ט ט
37-86-5Pentachlorophenol       26         35-01-8Phenanthrene       16         120-12-7Phenanthrene       16         120-12-7Phenanthrene       16         36-74-8Carbazole       16         34-74-2Di-n-butylphthalate       16         206-44-0Fluoranthene       16         129-00-0Pyrene       16         35-68-7Butylbenzylphthalate       16         91-94-13,3'-Dichlorobenzidine       16	
35-01-8Phenanthrene       10         120-12-7Phenanthracene       10         120-12-7Anthracene       10         36-74-8Carbazole       10         34-74-2Di-n-butylphthalate       10         206-44-0Fluoranthene       10         129-00-0Pyrene       10         35-68-7Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       10	
120-12-7Anthracene       10         36-74-8Carbazole       10         34-74-2Di-n-butylphthalate       10         206-44-0Fluoranthene       10         129-00-0Pyrene       10         35-68-7Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       10	υŪ
36-74-8Carbazole       10         34-74-2Di-n-butylphthalate       10         206-44-0Fluoranthene       10         129-00-0Fluoranthene       10         35-68-7Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       10	υŪ
34-74-2Di-n-butylphthalate       10         206-44-0Fluoranthene       10         129-00-0Fluoranthene       10         35-68-7Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       10	υŪ
206-44-0Fluoranthene       10         129-00-0Pyrene       10         35-68-7Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       10	υ
129-00-0Pyrene       10         35-68-7Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       10	υ
35-68-7Butylbenzylphthalate 10 91-94-13,3'-Dichlorobenzidine 10	υŪ
91-94-13,3'-Dichlorobenzidine 10	υ
6-55-3Benzo(a) anthracene	
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207-08-9Benzo(k)fluoranthene 10	
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	<u></u> ט ט
- Cannot be separated from Diphenylamine	_

(1) - Cannot be separated from Diphenylamine

### FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

1000 (g/mL) ML

1000(uL)

Contract:

SAS No.:

MW15S

SDG No.: MF1131

Lab Sample ID: F1131-10C

Lab File ID: S3E5576

Date Received: 08/15/07

Date Extracted:08/15/07

Date Analyzed: 08/24/07

Dilution Factor: 1.0

CAS NO.

Lab Code: MITKEM

Sample wt/vol:

Level: (low/med)

Lab Name: MITKEM CORPORATION

Concentrated Extract Volume:

Injection Volume: 1.0(uL)

Matrix: (soil/water) WATER

COMPOUND

Case No.:

LOW

% Moisture: decanted: (Y/N)

GPC Cleanup: (Y/N) N pH:

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

Q

		1	
108-95-2		10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
	2-Chlorophenol	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
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	I I	
621-64-7	N-Nitroso-di-n-propylamine	1 1	U
67-72-1	Hexachloroethane	10	Ū
	Nitrobenzene	1 1	Ū
	Isophorone		-
	2-Nitrophenol		
105-67-9	2,4-Dimethylphenol		
120-83-2	2,4-Dichlorophenol		Ū
120-82-1	1,2,4-Trichlorobenzene		Ū
	Naphthalene	1	J
	4-Chloroaniline	_	Ŭ
	Hexachlorobutadiene		Ū
	bis(2-Chloroethoxy)methane		Ū
59-50-7	4-Chloro-3-Methylphenol	10	
91-57-6	2-Methylnaphthalene	10	
77-47-4	Hexachlorocyclopentadiene		Ŭ
88-06-2	2,4,6-Trichlorophenol		Ū
95-95-4	2,4,5-Trichlorophenol		U
91-58-7	2-Chloronaphthalene	1	Ŭ
	2-Nitroaniline		U
	Dimethylphthalate		Ŭ
208-96-8	Acenaphthylene		Ŭ
606-20-2	2,6-Dinitrotoluene		υ
99-09-2	3-Nitroaniline		υ
	Acenaphthene		υ I
		TO	~

### FORM I SV-1

### 1C

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

• •				MW15S
Lab Name: MITKEM COR	PORATION	Contract:		
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: MF1131
Matrix: (soil/water)	WATER	Lak	o Sample ID:	F1131-10C
Sample wt/vol:	1000 (g/mL) ML	Lab	File ID:	S3E5576
Level: (low/med)	LOW	Dat	e Received:	08/15/07
% Moisture:	decanted: $(Y/N)$	Dat	e Extracted	l:08/15/07
Concentrated Extract	Volume: 1000(	uL) Dat	e Analyzed:	08/24/07
Injection Volume:	1.0(uL)	Dil	ution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:			

CAS NO.

COMPOUND

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

Q

		<u> </u>
51-28-52,4-Dinitrophenol	20	
100-02-74-Nitrophenol	20	
132-64-9Dibenzofuran	10	U
121-14-22,4-Dinitrotoluene	10	U
84-66-2Diethylphthalate	10	U
7005-72-34-Chlorophenyl-phenylether	10	U
86-73-7Fluorene	10	
100-01-64-Nitroaniline	20	U
534-52-14,6-Dinitro-2-methylphenol	20	
86-30-6N-Nitrosodiphenylamine (1)	10	
101-55-34-Bromophenyl-phenylether	10	
118-74-1Hexachlorobenzene	10	
87-86-5Pentachlorophenol	20	
85-01-8Phenanthrene	10	
120-12-7Anthracene	10	
86-74-8Carbazole	10	
84-74-2Di-n-butylphthalate	10	
206-44-0Fluoranthene	10	
129-00-0Pyrene	10	
85-68-7Butylbenzylphthalate	10	
91-94-13,3'-Dichlorobenzidine	10	
56-55-3Benzo(a) anthracene	10	
218-01-9Chrysene	10	
117-81-7bis (2-Ethylhexyl) phthalate	2	
117-84-0Di-n-octylphthalate	10	
205-99-2Benzo(b) fluoranthene	10	
207-08-9Benzo(k) fluoranthene	10	
50-32-8Benzo(a)pyrene	10	
193-39-5Indeno(1, 2, 3-cd) pyrene	10	
53-70-3Dibenzo (a, h) anthracene	10	
191-24-2Benzo(g,h,i)perylene	10	U
- Cannot be constrated from Diphonylaming		

(1) - Cannot be separated from Diphenylamine

### FORM I SV-2

OLM03.0

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

MW8D Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Lab Sample ID: F1131-01C Matrix: (soil/water) WATER Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5569 Date Received: 08/15/07 Level: (low/med) LOW % Moisture: decanted: (Y/N) Date Extracted:08/15/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/24/07 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

Q

	······································		<b></b>
108-95-2	Phenol	10	υ
	bis(2-Chloroethyl)Ether	10	U
	2-Chlorophenol	10	
	1,3-Dichlorobenzene	10	1
	1,4-Dichlorobenzene	10	
	1,2-Dichlorobenzene	10	
	2-Methylphenol	10	i
	2,2'-oxybis(1-Chloropropane)	10	
	4-Methylphenol	10	1 1
	N-Nitroso-di-n-propylamine	10	1 1
	Hexachloroethane	10	
	Nitrobenzene	10	-
	Isophorone	10	
	2-Nitrophenol	10	1 -
	2,4-Dimethylphenol	10	1
	2,4-Dichlorophenol	10	
	1,2,4-Trichlorobenzene	10	
	Naphthalene	10	
	4-Chloroaniline	10	
	Hexachlorobutadiene	10	
	bis (2-Chloroethoxy) methane	10	
	4-Chloro-3-Methylphenol	10	
91-57-6	2-Methylnaphthalene	10	
	Hexachlorocyclopentadiene	10	
	2,4,6-Trichlorophenol	10	
	2,4,5-Trichlorophenol	20	-
	2.4,5-111Chlorophenor	10	
	2-Nitroaniline	20	
		10	
	Dimethylphthalate	10	-
	Acenaphthylene		-
	2,6-Dinitrotoluene	10	
	3-Nitroaniline	20	-
83-32-9	Acenaphthene	10	υ
	· · · · · · · · · · · · · · · · · · ·		

FORM I SV-1

#### 1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: MITKEM CORPORATION Cont	.ract: MW8D
Lab Code: MITKEM Case No.: SAS	No.: SDG No.: MF1131
Matrix: (soil/water) WATER	Lab Sample ID: F1131-01C
Sample wt/vol: 1000 (g/mL) ML	Lab File ID: S3E5569
Level: (low/med) LOW	Date Received: 08/15/07
% Moisture: decanted: (Y/N)	Date Extracted:08/15/07
Concentrated Extract Volume: 1000(uL)	Date Analyzed: 08/24/07
Injection Volume: 1.0(uL)	Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:	
C	ONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/L

Q

		1	1
51-28-5	2,4-Dinitrophenol	20	υ
	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
	Diethylphthalate	10	
	4-Chlorophenyl-phenylether	10	U
86-73-7		10	
100-01-6	4-Nitroaniline	20	
534-52-1	4,6-Dinitro-2-methylphenol	20	
	N-itrosodiphenylamine (1)	10	
101-55-3	4-Bromophenyl-phenylether	10	
118-74-1	Hexachlorobenzene	10	
	Pentachlorophenol	20	
	Phenanthrene	10	
	Anthracene	10	
86-74-8	Carbazole	10	
84-74-2	Di-n-butylphthalate	10	
206-44-0	Fluoranthene	10	
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9		10	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	J
117-84-0	Di-n-octylphthalate	10	υ
205-99-2	Benzo(b)fluoranthene	10	
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
\ Commot loo			

(1) - Cannot be separated from Diphenylamine

## FORM I SV-2

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW8S Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-02C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5581 Level: (low/med) LOW Date Received: 08/15/07 % Moisture: decanted: (Y/N) Date Extracted:08/15/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/24/07 Dilution Factor: 1.0 Injection Volume: 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

CAS NO.

COMPOUND

# (ug/L or ug/Kg) UG/L

Q

			<del>r</del>
$\begin{array}{c} 95-57-8\\ 541-73-1\\ 106-46-7\\ 95-50-1\\ 95-48-7\\ 108-60-1\\ 106-44-5\\ 621-64-7\\ 67-72-1\\ 98-95-3\\ 98-95-3\\ 78-59-1\\ 88-75-5\\ 105-67-9\\ 120-83-2\\ 120-83-2\\ 120-83-2\\ 120-83-2\\ 120-83-2\\ 120-83-2\\ 120-83-2\\ 120-83-2\\ 120-83-2\\ 120-83-2\\ 91-50-7\\ 91-57-6\\ 91-57-6\\ 95-95-4\\ 91-58-7\\ 91-58-7\\ \end{array}$	bis (2-Chloroethyl) Ether 2-Chlorophenol 1, 3-Dichlorobenzene 1, 2-Dichlorobenzene 2-Methylphenol 2, 2'-oxybis (1-Chloropropane) 4-Methylphenol N-Nitroso-di-n-propylamine N-Nitroso-di-n-propylamine Hexachloroethane Nitrobenzene 	10 10 10 10 2 21 10 10 10 10 10 10 10 10 10 10 10 10 10	
59-50-791-57-688-06-295-95-491-58-788-74-4131-11-3208-96-8606-20-299-09-2	4-Chloro-3-Methylphenol 2-Methylnaphthalene Hexachlorocyclopentadiene 2,4,6-Trichlorophenol	10 7 10 10 20	00000000000000000000000000000000000000

### FORM I SV-1

## 1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

				MW8S
Lab Name: MITKEM CORN	PORATION	Contract	:	
Lab Code: MITKEM	Case No.:	SAS No.	: SDG	No.: MF1131
Matrix: (soil/water)	WATER		Lab Sample ID:	F1131-02C
Sample wt/vol:	1000 (g/mL) ML		Lab File ID:	S3E5581
Level: (low/med)	LOW		Date Received:	08/15/07
% Moisture:	decanted: $(Y/N)$ _		Date Extracted	l:08/15/07
Concentrated Extract	Volume: 1000(	uL)	Date Analyzed:	08/24/07
Injection Volume:	1.0(uL)		Dilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:			
CAS NO.	COMPOUND		NTRATION UNITS: or ug/Kg) UG/L	

$\begin{array}{c} 100 - 02 - 7 \\ 132 - 64 - 9 \\ 121 - 14 - 2 \\ 84 - 66 - 2 \\ 7005 - 72 - 3 \\ 86 - 73 - 7 \\ 100 - 01 - 6 \\ 534 - 52 - 1 \\ 86 - 30 - 6 \\ 101 - 55 - 3 \\ 101 - 55 - 3 \\ 101 - 55 - 3 \\ 101 - 55 - 3 \\ 101 - 55 - 3 \\ 86 - 74 - 1 \\ 84 - 74 - 2 \\ 84 - 74 - 2 \\ 84 - 74 - 2 \\ 206 - 44 - 0 \\ 129 - 00 - 0 \\ 85 - 68 - 7 \\ 91 - 94 - 1 \\ 56 - 55 - 3 \end{array}$	Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene	20 20 10 10 10 10 20 20 20 10 10 10 10 10 10 10 10 10 10 10 10	מממממממממממממממממ
118-74-1 87-86-5 85-01-8 120-12-7 86-74-8 84-74-2 206-44-0 129-00-0	Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Carbazole Di-n-butylphthalate Fluoranthene Pyrene	10 20 10 10 10 10 10 10	ממ ממ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ מ
91-94-1 56-55-3 218-01-9 117-81-7 117-84-0 205-99-2 207-08-9 50-32-8	3,3'-Dichlorobenzidine Benzo(a) anthracene Chrysene bis(2-Ethylhexyl)phthalate Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene	10	ט ט ט ט ט ט ט
193-39-5 53-70-3 191-24-2	Indeno(1,2,3-cd)pyrene Dibenzo(a,h)anthracene Benzo(g,h,i)perylene separated from Diphenylamine	10 10 10	ប ប

(1) - Cannot be separated from Diphenylamine

## FORM I SV-2

1B

## EPA SAMPLE NO.

SEMIVOLATI	LE ORGANICS ANALYSIS DAT	A SHEET	
Lab Name: MITKEM COR	PORATION Contrac	t:	VEW1
Lab Code: MITKEM	Case No.: SAS No	.: SDG 1	No.: MF1131
Matrix: (soil/water)	WATER	Lab Sample ID:	F1131-06C
Sample wt/vol:	1000 (g/mL) ML	Lab File ID:	S3E5573
Level: (low/med)	LOW	Date Received:	08/15/07
% Moisture:	decanted: (Y/N)	Date Extracted	:08/15/07
Concentrated Extract	Volume: 1000(uL)	Date Analyzed:	08/24/07
Injection Volume:	1.0(uL)	Dilution Factor	r: 1.0
GPC Cleanup: (Y/N)	N pH:		
CAS NO.		ENTRATION UNITS: L or ug/Kg) UG/L	Q
108-95-2	Phenol		10 U

$\begin{array}{c} 111-44-4-\\ 95-57-8\\ 541-73-1-\\ 106-46-7-\\ 95-50-1\\ 95-48-7\\ 108-60-1-\\ 106-44-5-\\ 621-64-7-\\ 67-72-1\\ 98-95-3\\ 78-59-1\\ 88-75-5\\ 105-67-9-\\ 120-83-2-\\ 120-83-2-\\ 120-82-1-\\ 91-20-3\\ 106-47-8-\\ 87-68-3\\ 111-91-1-\\ 59-50-7\\ 91-57-6\\ 77-47-4\\ 88-06-2\\ 95-95-4\\ 95-95-4\\ 91-58-7\\ 88-74-4\\ 131-11-3-\\ 208-96-8-\\ 606-20-2-\\ \end{array}$	Phenol bis (2-Chloroethyl) Ether 2-Chlorophenol 1, 3-Dichlorobenzene 1, 4-Dichlorobenzene 2-Methylphenol 2, 2'-oxybis (1-Chloropropane) 4-Methylphenol Nitroso-di-n-propylamine Nitrobenzene Nitrobenzene Nitrobenzene 	10 10 10 10 2 25 10 10 10 56 10 10 10 10 10 10 10 10 10 10 10 10 10	
208-96-8- 606-20-2- 99-09-2	Acenapĥtĥylene	10 10	U U U

# FORM I SV-1

OLM03.0

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COMPOUND

VEW1 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-06C Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5573 Level: (low/med) Date Received: 08/15/07 LOW % Moisture: decanted: (Y/N) Date Extracted:08/15/07 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/24/07 Injection Volume: Dilution Factor: 1.0 1.0(uL) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

		· · · · · · · · · · · · · · · · · · ·	
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
	Diethylphthalate	10	U
	4-Chlorophenyl-phenylether	10	U
86-73-7		10	U
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	
	N-Nitrosodiphenylamine (1)	10	
	4-Bromophenyl-phenylether	10	U
	Hexachlorobenzene	10	
	Pentachlorophenol	20	Ū
	Phenanthrene	10	
	Anthracene	10	
	Carbazole	10	
	Di-n-butylphthalate	15	-
	Fluoranthene	10	Ū
129-00-0		10	Ū
	Butylbenzylphthalate	10	
91-94-1	3,3'-Dichlorobenzidine	10	-
	Benzo(a) anthracene	10	Ū
218-01-9		10	
	bis(2-Ethylhexyl)phthalate		J
117-84-0	Di-n-octylphthalate	10	-
	Benzo (b) fluoranthene	10	
	Benzo(k) fluoranthene	10	
	Benzo(a) pyrene	10	
193-39-5	Indeno (1, 2, 3-cd) pyrene	10	
53-70-3	Dibenzo(a,h) anthracene	10	
	Benzo(g,h,i)perylene	10	-
	( ) ,, -,		

(1) - Cannot be separated from Diphenylamine

CAS NO.

FORM I SV-2

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

			VEW2
Lab Name: MITKEM COR	PORATION	Contract:	
Lab Code: MITKEM	Case No.:	SAS No.: S	DG No.: MF1131
Matrix: (soil/water)	WATER	Lab Sample	ID: F1131-03C
Sample wt/vol:	1000 (g/mL) ML	Lab File ID	: S3E5570
Level: (low/med)	LOW	Date Receiv	red: 08/15/07
% Moisture:	decanted: (Y/N)_	Date Extrac	ted:08/15/07
Concentrated Extract	Volume: 1000(1	ıL) Date Analyz	ed: 08/24/07
Injection Volume:	1.0(uL)	Dilution Fa	ctor: 1.0
GPC Cleanup: (Y/N)	N. pH:		
CAS NO.	COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg) U	

(ug/L or ug/Kg) UG/L

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108-95-2Phenol         111-44-4bis (2-Chloroethyl) Ether         95-57-82-Chlorophenol         541-73-11, 3-Dichlorobenzene         106-46-71, 4-Dichlorobenzene         95-50-11, 2-Dichlorobenzene         95-48-72-Methylphenol         108-60-12, 2'-oxybis (1-Chloropropane)         106-44-54-Methylphenol         621-64-7N-Nitroso-di-n-propylamine         67-72-1Hexachloroethane         98-95-3Nitrobenzene         78-59-1	10 10 10 10 10 10 10 10 10 10 10 10 10 1	aaaaaaaaaaaaaaaaaaaaaa
		-
98-95-3Nitrobenzene		Ū
		-
		*
	-	-
		-
		-
		-
59-50-74-Chloro-3-Methylphenol	10	U
91-57-62-Methylnaphthalene	10	U
77-47-4Hexachlorocyclopentadiene	10	U
88-06-22,4,6-Trichlorophenol	10	U
95-95-42,4,5-Trichlorophenol	20	U
91-58-72-Chloronaphthalene 88-74-42-Nitroaniline	10	U
131-11-3Dimethylphthalate	20 10	บ บ
208-96-8Acenaphthylene	10	U
606-20-22,6-Dinitrotoluene	10	U
99-09-23-Nitroaniline	20	Ŭ
83-32-9Acenaphthene	10	Ū

## FORM I SV-1

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

Lab Name: MITKEM CORPORATION	Contract:
Lab Name. Miller controllion	
Lab Code: MITKEM Case No.:	SAS No.: SDG No.: MF1131
Matrix: (soil/water) WATER	Lab Sample ID: F1131-03C
Sample wt/vol: 1000 (g/mL) ML	Lab File ID: S3E5570
Level: (low/med) LOW	Date Received: 08/15/07
% Moisture: decanted: (Y/N)	Date Extracted:08/15/07
Concentrated Extract Volume: 1000	(uL) Date Analyzed: 08/24/07
Injection Volume: 1.0(uL)	Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q

			~
51-28-5	2,4-Dinitrophenol	20	TT
	4-Nitrophenol	20	1
	Dibenzofuran	10	
	2,4-Dinitrotoluene	10	
84-66-2	Diethylphthalate	10	
	4-Chlorophenyl-phenylether	10	
86-73-7	Fluorene	10	
	4-Nitroaniline	20	
	4,6-Dinitro-2-methylphenol	20	
86-30-6	N-Nitrosodiphenylamine (1)	10	
101-55-3	4-Bromophenyl-phenylether	10	
118-74-1	Hexachlorobenzene	10	
	Pentachlorophenol	20	
85-01-8	Phenanthrene	. 10	
120-12-7	Anthracene	10	
86-74-8		10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
	Benzo(a)anthracene	10	U
218-01-9		10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1	J
117-84-0	Di-n-octylphthalate	10	
205-99-2	Benzo(b)fluoranthene	10	
	Benzo(k)fluoranthene	10	
50-32-8	Benzo(a)pyrene	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	
53-70-3	Dibenzo(a,h)anthracene	10	1
191-24-2	Benzo(g,h,i)perylene	10	υ
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(1) - Cannot be separated from Diphenylamine

FORM I SV-2

1B

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

				VEW3
Lab Name: MITKEM CORI	PORATION (	Contract:		
Lab Code: MITKEM	Case No.:	SAS No.:	SDG 1	No.: MF1131
Matrix: (soil/water)	WATER	Lab	Sample ID:	F1131-04C
Sample wt/vol:	1000 (g/mL) ML	Lab	File ID:	S3E5571
Level: (low/med)	LOW	Dat	e Received:	08/15/07
% Moisture:	decanted: (Y/N)	Dat	e Extracted	:08/15/07
Concentrated Extract	Volume: 1000(u	止) Dat	e Analyzed:	08/24/07
Injection Volume:	1.0(uL)	Dil	ution Facto	r: 1.0
GPC Cleanup: (Y/N)	N pH:			

CAS NO.

COMPOUND

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

Q

108-95-2Phenol	10	U
111-44-4bis(2-Chloroethyl)Ether	10	-
95-57-82-Chlorophenol	10	-
541-73-11,3-Dichlorobenzene	10	U
106-46-71,4-Dichlorobenzene	10	Ū
95-50-11,2-Dichlorobenzene	21	-
95-48-72-Methylphenol	10	<u></u>
108-60-12,2'-oxybis(1-Chloropropane)	10	Ū
106-44-54-Methylphenol	10	Ū
621-64-7N-Nitroso-di-n-propylamine	10	Ū
67-72-1Hexachloroethane	10	Ū
98-95-3Nitrobenzene	10	U
78-59-1Isophorone	10	υ
88-75-52-Nitrophenol	10	Ū
105-67-92,4-Dimethylphenol	10	υ
120-83-22,4-Dichlorophenol	10	υ
120-82-11,2,4-Trichlorobenzene	10	υ
91-20-3Naphthalene	31	
106-47-84-Chloroaniline	10	U
87-68-3Hexachlorobutadiene	10	υ
111-91-1bis(2-Chloroethoxy)methane	10	υ
59-50-74-Chloro-3-Methylphenol	10	U
91-57-62-Methylnaphthalene	2	J
77-47-4Hexachlorocyclopentadiene	10	U
88-06-22,4,6-Trichlorophenol	10	ט'
95-95-42,4,5-Trichlorophenol	20	υ
91-58-72-Chloronaphthalene	10	υ
88-74-42-Nitroaniline	20	U
131-11-3Dimethylphthalate	10	U
208-96-8Acenaphthylene	10	U
606-20-22,6-Dinitrotoluene	10	U
99-09-23-Nitroaniline	20	U ·
83-32-9Acenaphthene	10	U

#### FORM I SV-1

OLM03.0

0104

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA	A SHEET
Lab Name: MITKEM CORPORATION Contract	VEW3
Lab Code: MITKEM Case No.: SAS No.	.: SDG No.: MF1131
Matrix: (soil/water) WATER	Lab Sample ID: F1131-04C
Sample wt/vol: 1000 (g/mL) ML	Lab File ID: S3E5571
Level: (low/med) LOW	Date Received: 08/15/07
<pre>% Moisture: decanted: (Y/N)</pre>	Date Extracted:08/15/07
Concentrated Extract Volume: 1000(uL)	Date Analyzed: 08/24/07
Injection Volume: 1.0(uL)	Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:	
CONCE	

CAS NO.

COMPOUND

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

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51-28-5	2,4-Dinitrophenol	20	υ
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	υ
121-14-2	2,4-Dinitrotoluene	10	
	Diethylphthalate	10	1
7005-72-3	4-Chlorophenyl-phenylether	10	
86-73-7		10	
	4-Nitroaniline	20	
	4,6-Dinitro-2-methylphenol	20	
	N-Nitrosodiphenylamine (1)	10	
101-55-3	4-Bromophenyl-phenylether	10	
118-74-1	Hexachlorobenzene	10	
	Pentachlorophenol	20	
	Phenanthrene	10	
	Anthracene	10	
	Carbazole	10	
	Di-n-butylphthalate	1	
	Fluoranthene	10	
129-00-0		10	
	Butylbenzylphthalate	10	
91-94-1	3,3'-Dichlorobenzidine	10	
	Benzo(a) anthracene	10	
218-01-9		10	
	bis(2-Ethylhexyl)phthalate	1	
	Di-n-octylphthalate	10	
205-99-2	Benzo (b) fluoranthene	10	
207-08-9	Benzo(k) fluoranthene	10	
50-32-8	Benzo(a) pyrene	10	
193-39-5	Indeno(1,2,3-cd)pyrene	10	
53-70-3	Dibenzo(a, h) anthracene	10	
191-24-2	Benzo(g,h,i)perylene	10	
171 47 4		10	
			l

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

OLM03.0

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

COMPOUND

CAS NO.

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VEW4 Lab Name: MITKEM CORPORATION Contract: Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131 Matrix: (soil/water) WATER Lab Sample ID: F1131-07C 1000 (g/mL) ML Lab File ID: Sample wt/vol: S3E5574 Date Received: 08/15/07 Level: (low/med) LOW decanted: (Y/N)\_\_\_\_ % Moisture: Date Extracted:08/15/07 Concentrated Extract Volume: 1000(uL) Date Analyzed: 08/24/07 Dilution Factor: 1.0 Injection Volume: 1.0(uL)GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS:

(uq/L or uq/Kq) UG/L

108-95-2----Phenol 20 111-44-4-----bis (2-Chloroethyl) Ether 10 U 95-57-8-----2-Chlorophenol 10 U 541-73-1-----1,3-Dichlorobenzene 10 U 106-46-7-----1,4-Dichlorobenzene 10 U 95-50-1-----1,2-Dichlorobenzene 5 JJ 20 95-48-7----2-Methylphenol 10 0 108-60-1-----2,2'-oxybis(1-Chloropropane) 106-44-5----4-Methylphenol 110 10 U 621-64-7-----N-Nitroso-di-n-propylamine 67-72-1-----Hexachloroethane 10|U 98-95-3-----Nitrobenzene 10 U 78-59-1----Isophorone 10 U 88-75-5-----2-Nitrophenol 10 U 105-67-9-----2,4-Dimethylphenol 9 J 120-83-2-----2,4-Dichlorophenol 10 U 120-82-1-----1,2,4-Trichlorobenzene 10 U 91-20-3-----Naphthalene 23 106-47-8-----4-Chloroaniline 10 U 87-68-3-----Hexachlorobutadiene 10 U 111-91-1-----bis(2-Chloroethoxy)methane 10 U 59-50-7-----4-Chloro-3-Methylphenol 10 U 91-57-6----2-Methylnaphthalene 1 J 77-47-4-----Hexachlorocyclopentadiene 10 U 88-06-2-----2,4,6-Trichlorophenol 10 U 95-95-4-----2,4,5-Trichlorophenol 20 U 91-58-7-----2-Chloronaphthalene 10 U 88-74-4-----2-Nitroaniline 20 U 131-11-3-----Dimethylphthalate 10 U 208-96-8-----Acenaphthylene 10 U 606-20-2-----2,6-Dinitrotoluene 10 U 99-09-2-----3-Nitroaniline 20 U 83-32-9-----Acenaphthene 10 U

#### FORM I SV-1

EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION	Contract	:	VEW4
Lab Code: MITKEM	Case No.:	SAS No.	: SDG	No.: MF1131
Matrix: (soil/water)	WATER		Lab Sample ID:	F1131-07C
Sample wt/vol:	1000 (g/mL) ML		Lab File ID:	S3E5574
Level: (low/med)	LOW		Date Received:	08/15/07
% Moisture:	decanted: $(Y/N)$		Date Extracted	l:08/15/07
Concentrated Extract	Volume: 1000(	uL)	Date Analyzed:	08/24/07
Injection Volume:	1.0(uL)		Dilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:			·
CAS NO.	COMPOUND		VTRATION UNITS: or ug/Kg) UG/L	, Q

51-28-5	2,4-Dinitrophenol	20	τī
	4-Nitrophenol	20	
	Dibenzofuran	10	-
	2,4-Dinitrotoluene	10	
	Diethylphthalate	10	
7005-72-3	4-Chlorophenyl-phenylether	10	1
86-73-7		10	
	4-Nitroaniline	20	
	4,6-Dinitro-2-methylphenol	20	
	N-Nitrosodiphenylamine (1)	10	1
	4-Bromophenyl-phenylether	10	
	Hexachlorobenzene	10	
	Pentachlorophenol	20	
85-01-8	Phenanthrene	10	
	Anthracene	10	
86-74-8	Carbazole	10	
84-74-2	Di-n-butylphthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a) anthracene	10	
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
		I	

(1) - Cannot be separated from Diphenylamine

#### FORM I SV-2

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

			SBLK3J
Lab Name: MITKEM COR	PORATION	Contract:	
Lab Code: MITKEM	Case No.:	SAS No.: SDG	No.: MF1131
Matrix: (soil/water)	WATER	Lab Sample ID	: MB-31700
Sample wt/vol:	1000 (g/mL) ML	Lab File ID:	S3E5565
Level: (low/med)	LOW	Date Received	:
% Moisture:	decanted: $(Y/N)_{}$	Date Extracted	d:08/15/07
Concentrated Extract	Volume: 1000(	uL) Date Analyzed	: 08/24/07
Injection Volume:	1.0(uL)	Dilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:	-	
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/I	

		<b></b>
108-95-2Phenol	10	U
111-44-4bis(2-Chloroethyl)Ether	10	U
95-57-82-Chlorophenol	10	U
541-73-11,3-Dichlorobenzene	10	ט
106-46-71,4-Dichlorobenzene	10	U
95-50-11,2-Dichlorobenzene	10	<u></u> ט י
95-48-72-Methylphenol	10	υ
108-60-12,2'-oxybis(1-Chloropropane)	10	U
106-44-54-Methylphenol	10	υ
621-64-7N-Nitroso-di-n-propylamine	10	U
67-72-1Hexachloroethane	10	υ
98-95-3Nitrobenzene	10	υ
78-59-1Isophorone	10	
88-75-52-Nitrophenol	10	υ
105-67-92,4-Dimethylphenol	10	
120-83-22,4-Dichlorophenol	10	
120-82-11,2,4-Trichlorobenzene	10	U
91-20-3Naphthalene	10	
106-47-84-Chloroaniline	3	
87-68-3Hexachlorobutadiene	10	U
111-91-1bis(2-Chloroethoxy)methane	10	-
59-50-74-Chloro-3-Methylphenol	10	υ
91-57-62-Methylnaphthalene	10	_
77-47-4Hexachlorocyclopentadiene	10	Ū
88-06-22,4,6-Trichlorophenol	10	Ū
95-95-42,4,5-Trichlorophenol	20	-
91-58-72-Chloronaphthalene	10	1 1
88-74-42-Nitroaniline	20	Ū
131-11-3Dimethylphthalate	10	
208-96-8Acenaphthylene	10	1 !
606-20-22,6-Dinitrotoluene	10	
99-09-23-Nitroaniline	20	υ
83-32-9Acenaphthene	10	υ
	10	- I
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## FORM I SV-1

EPA SAMPLE NO.

Lab Name: MITKEM COR	PORATION	Contract:	SBLK3J
Lab Code: MITKEM		SAS No.:	SDG No.: MF1131
Matrix: (soil/water)		Lab Sar	mple ID: MB-31700
Matrix. (Sorr/water)	WEATTH		
Sample wt/vol:	1000 (g/mL) ML	Lab Fi	le ID: S3E5565
Level: (low/med)	LOW	Date Re	eceived:
% Moisture:	decanted: $(Y/N)$	Date E	stracted:08/15/07
Concentrated Extract	Volume: 1000(	uL) Date Ai	nalyzed: 08/24/07
Injection Volume:	1.0(uL)	Dilutio	on Factor: 1.0
GPC Cleanup: (Y/N)	N pH:		
CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/I	

$\begin{array}{cccccccccccccccccccccccccccccccccccc$				·
218-01-9Chrysene       10 U         117-81-7bis (2-Ethylhexyl) phthalate       10 U         117-84-0Di-n-octylphthalate       10 U         205-99-2Benzo (b) fluoranthene       10 U         207-08-9Benzo (k) fluoranthene       10 U         50-32-8Benzo (a) pyrene       10 U         193-39-5Indeno (1, 2, 3-cd) pyrene       10 U         53-70-3Dibenzo (a, h) anthracene       10 U	$\begin{array}{c} 100 - 02 - 7 \\ 132 - 64 - 9 \\ 84 - 66 - 2 \\ 7005 - 72 - 3 \\ 86 - 73 - 7 \\ 100 - 01 - 6 \\ 534 - 52 - 1 \\ 86 - 30 - 6 \\ 101 - 55 - 3 \\ 101 - 55 - 3 \\ 101 - 55 - 3 \\ 101 - 55 - 3 \\ 86 - 30 - 6 \\ 86 - 30 - 6 \\ 120 - 12 - 7 \\ 85 - 01 - 8 \\ 85 - 01 - 8 \\ 85 - 01 - 8 \\ 84 - 74 - 2 \\ 84 - 74 - 2 \\ 206 - 44 - 0 \\ 129 - 00 - 0 \\ 85 - 68 - 7 \\ 91 - 94 - 1 \end{array}$	4-Nitrophenol Dibenzofuran 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenylether Fluorene 4-Nitroaniline 4,6-Dinitro-2-methylphenol 	20 10 10 10 10 20 20 20 10 10 10 10 10 10 10 10 10 10	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
87-86-5Pentachlorophenol       20       U         85-01-8Phenanthrene       10       U         120-12-7Anthracene       10       U         86-74-8Carbazole       10       U         84-74-2Di-n-butylphthalate       10       U         206-44-0Fluoranthene       10       U         129-00-0Pyrene       10       U         85-68-7	101-55-3	4-Bromophenyl-phenylether	10	U
85-01-8Phenanthrene       10         120-12-7Anthracene       10         86-74-8Carbazole       10         10       10         84-74-2Di-n-butylphthalate       10         10       10         206-44-0Fluoranthene       10         129-00-0Pyrene       10         129-00-0Pyrene       10         129-00-0				-
86-74-8Carbazole       10         84-74-2Di-n-butylphthalate       10         206-44-0Fluoranthene       10         129-00-0Pyrene       10         85-68-7Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       1         56-55-3Benzo (a) anthracene       10         117-81-7bis (2-Ethylhexyl)phthalate       10         117-84-0Di-n-octylphthalate       10         10       10         205-99-2Benzo (b) fluoranthene       10         10       10         117-84-0Benzo (c) pyrene       10         10       10         117-84-0Benzo (b) fluoranthene       10         10       10         117-84-0Benzo (c) pyrene       10         10       10         117-84-0Benzo (c) fluoranthene       10         10       10         117-84-0Benzo (c) fluoranthene       10         10       10         10       10         10       10         10       10         10       10         10       10         10       10         10       10	85-01-8	Phenanthrene	10	-
206-44-0Fluoranthene       10 U         129-00-0Pyrene       10 U         85-68-7Pyrene       10 U         91-94-13,3'-Dichlorobenzidine       1 J         56-55-3Benzo (a) anthracene       10 U         218-01-9Chrysene       10 U         117-81-7bis (2-Ethylhexyl) phthalate       10 U         117-84-0Benzo (b) fluoranthene       10 U         205-99-2Benzo (b) fluoranthene       10 U         207-08-9Benzo (k) fluoranthene       10 U         50-32-8Benzo (a) pyrene       10 U         193-39-5Indeno (1, 2, 3-cd) pyrene       10 U         53-70-3Dibenzo (a, h) anthracene       10 U	86-74-8	Carbazole	10	U
85-68-7Butylbenzylphthalate       10         91-94-13,3'-Dichlorobenzidine       1         56-55-3Benzo (a) anthracene       10         218-01-9Chrysene       10         117-81-7bis (2-Ethylhexyl)phthalate       10         117-84-0Di-n-octylphthalate       10         205-99-2Benzo (b) fluoranthene       10         10       10         207-08-9Benzo (k) fluoranthene       10         10       10         10       10         117-39	206-44-0	Fluoranthene		
91-94-13,3'-Dichlorobenzidine       1       J         56-55-3Benzo(a) anthracene       10       U         218-01-9Chrysene       10       U         117-81-7Dis(2-Ethylhexyl)phthalate       10       U         117-84-0Di-n-octylphthalate       10       U         205-99-2Benzo(b)fluoranthene       10       U         207-08-9Benzo(k)fluoranthene       10       U         50-32-8Benzo(a)pyrene       10       U         193-39-5Indeno(1,2,3-cd)pyrene       10       U         53-70-3Dibenzo(a,h)anthracene       10       U				
218-01-9Chrysene       10 U         117-81-7bis (2-Ethylhexyl) phthalate       10 U         117-84-0Di-n-octylphthalate       10 U         205-99-2Benzo (b) fluoranthene       10 U         207-08-9Benzo (k) fluoranthene       10 U         50-32-8Benzo (a) pyrene       10 U         193-39-5Indeno (1, 2, 3-cd) pyrene       10 U         53-70-3Dibenzo (a, h) anthracene       10 U	91-94-1	3,3'-Dichlorobenzidine	1	J
117-84-0Di-n-octylphthalate       10       U         205-99-2Benzo (b) fluoranthene       10       U         207-08-9Benzo (k) fluoranthene       10       U         50-32-8Benzo (a) pyrene       10       U         193-39-5Indeno (1, 2, 3-cd) pyrene       10       U         53-70-3Dibenzo (a, h) anthracene       10       U	218-01-9	Chrysene	10	U
205-99-2Benzo (b) fluoranthene       10 U         207-08-9Benzo (k) fluoranthene       10 U         50-32-8Benzo (a) pyrene       10 U         193-39-5Indeno (1, 2, 3-cd) pyrene       10 U         53-70-3Dibenzo (a, h) anthracene       10 U	117-84-0	Di-n-octylphthalate		
50-32-8Benzo (a) pyrene       10 U         193-39-5Indeno (1,2,3-cd) pyrene       10 U         53-70-3Dibenzo (a, h) anthracene       10 U	205-99-2	Benzo(b)fluoranthene		
53-70-3Dibenzo(a,h)anthracene 10 U	50-32-8	Benzo(a)pyrene	10	U
191-24-2Benzo(g,h,i)perylene 10 U	53-70-3	Dibenzo(a,h)anthracene	10	U
) - Cannot be separated from Diphenvlamine			10	U

(1) - Cannot be separated from Diphenylamine

## FORM I SV-2

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

Lab Name: MITKEM COF	PORATION	Contract:		S3KLCS
Lab Code: MITKEM	Case No.:	SAS No.:	SDG	No.: MF1131
Matrix: (soil/water)	WATER	Lał	Sample ID:	LCS-31700
Sample wt/vol:	1000 (g/mL) ML	Lak	o File ID:	S3E5566
Level: (low/med)	LOW	Dat	ce Received:	<u> </u>
% Moisture:	decanted: $(Y/N)$	Dat	te Extracted	l:08/15/07
Concentrated Extract	Volume: 1000(	uL) Dat	e Analyzed:	08/24/07
Injection Volume:	1.0(uL)	Dil	ution Facto	pr: 1.0
GPC Cleanup: (Y/N)	N pH:			
CAS NO.	COMPOUND		ATION UNITS: ug/Kg) UG/I	

(ug/L or ug/Kg) UG/L

Q

		<u>,                                     </u>
108-95-2Phenol	38	
111-44-4bis(2-Chloroethyl)Ether	40	
95-57-82-Chlorophenol	41	
541-73-11,3-Dichlorobenzene	36	
106-46-71,4-Dichlorobenzene	36	
95-50-11,2-Dichlorobenzene	37	
95-48-72-Methylphenol	26	
108-60-12,2'-oxybis(1-Chloropropane)	50	
106-44-54-Methylphenol	31	
621-64-7N-Nitroso-di-n-propylamine	42	
67-72-1Hexachloroethane	38	
98-95-3Nitrobenzene	45	
78-59-1Isophorone	42	
88-75-52-Nitrophenol	44	
105-67-92,4-Dimethylphenol	3	J
120-83-22,4-Dichlorophenol	41	
120-82-11,2,4-Trichlorobenzene	37	
91-20-3Naphthalene	38	
106-47-84-Chloroaniline	25	B
87-68-3Hexachlorobutadiene	35	
111-91-1bis(2-Chloroethoxy)methane	40	
59-50-74-Chloro-3-Methylphenol	37	
91-57-62-Methylnaphthalene	39	
77-47-4Hexachlorocyclopentadiene	11	
88-06-22,4,6-Trichlorophenol	40	
95-95-42,4,5-Trichlorophenol	42	
91-58-72-Chloronaphthalene	42	
88-74-42-Nitroaniline	44	
131-11-3Dimethylphthalate	46	
208-96-8Acenaphthylene	42	
606-20-22,6-Dinitrotoluene	44	
99-09-23-Nitroaniline	37	
83-32-9Acenaphthene	43	
		I

# FORM I SV-1

10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Contract	S3KLCS
Lab Name: MITKEM COR	PORATION	Contract:	<u></u>
Lab Code: MITKEM	Case No.:	SAS No.: SDG	No.: MF1131
Matrix: (soil/water)	WATER	Lab Sample ID	: LCS-31700
Sample wt/vol:	1000 (g/mL) ML	Lab File ID:	S3E5566
Level: (low/med)	LOW	Date Received	:
% Moisture:	decanted: (Y/N)_	Date Extracted	d:08/15/07
Concentrated Extract	Volume: 1000(	uL) Date Analyzed	: 08/24/07
Injection Volume:	1.0(uL)	Dilution Facto	or: 1.0
GPC Cleanup: (Y/N)	N pH:		
CAS NO.	COMPOUND	CONCENTRATION UNITS (uq/L or uq/Kq) UG/I	

51-28-5-----2,4-Dinitrophenol 31 100-02-7-----4-Nitrophenol 55 132-64-9----Dibenzofuran 44121-14-2----2,4-Dinitrotoluene 46 84-66-2----Diethylphthalate 46 7005-72-3-----4-Chlorophenyl-phenylether 41 43 86-73-7----Fluorene 100-01-6----4-Nitroaniline 30 534-52-1-----4,6-Dinitro-2-methylphenol 48 35 86-30-6-----N-Nitrosodiphenylamine (1) 101-55-3-----4-Bromophenyl-phenylether 43 44 118-74-1-----Hexachlorobenzene 87-86-5-----Pentachlorophenol 50 85-01-8-----Phenanthrene 50 47 120-12-7----Anthracene 48 86-74-8-----Carbazole 54 84-74-2----Di-n-butylphthalate 48 206-44-0----Fluoranthene 51 129-00-0----Pyrene 85-68-7-----Butylbenzylphthalate 50 91-94-1-----3,3'-Dichlorobenzidine 23 B 47 56-55-3-----Benzo(a) anthracene 218-01-9-----Chrysene 47 117-81-7----bis(2-Ethylhexyl)phthalate 53 117-84-0----Di-n-octylphthalate 55 48 205-99-2----Benzo(b) fluoranthene 51 207-08-9-----Benzo(k)fluoranthene 50-32-8-----Benzo(a)pyrene 43 193-39-5-----Indeno (1, 2, 3-cd) pyrene 45 53-70-3----Dibenzo(a,h)anthracene 47

(1) - Cannot be separated from Diphenylamine

191-24-2----Benzo(q,h,i) perylene

#### FORM I SV-2

OLM03.0

45

1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

1

Lab Name: MITKEM CORI	PORATION	Contract:		S3KLCSD
Lab Code: MITKEM (	Case No.:	SAS No.:	SDG	No.: MF1131
Matrix: (soil/water)	WATER	Lab	Sample ID:	LCSD-31700
Sample wt/vol:	1000 (g/mL) ML	Lab	File ID:	S3E5567
Level: (low/med)	LOW	Date	Received:	
% Moisture:	decanted: (Y/N)_	Date	Extracted	:08/15/07
Concentrated Extract	Volume: 1000(	uL) Date	Analyzed:	08/24/07
Injection Volume:	1.0(uL)	Dilu	tion Facto	r: 1.0
GPC Cleanup: (Y/N)	N pH:			

CAS NO.

COMPOUND

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

Q

		·····
108-95-2	Phenol	36
	bis(2-Chloroethyl)Ether	36
	2-Chlorophenol	39
	1,3-Dichlorobenzene	32
	1,4-Dichlorobenzene	33
	1,2-Dichlorobenzene	33
	2-Methylphenol	29
	2,2'-oxybis(1-Chloropropane)	46
106-44-5	4-Methylphenol	33
	N-Nitroso-di-n-propylamine	39
	Hexachloroethane	
		34
	Nitrobenzene	44
	Isophorone	40
	2-Nitrophenol	42
	2,4-Dimethylphenol	4 J
	2,4-Dichlorophenol	40
	1,2,4-Trichlorobenzene	35
	Naphthalene	36
	4-Chloroaniline	30 B
	Hexachlorobutadiene	32
	bis(2-Chloroethoxy)methane	38
59-50-7	4-Chloro-3-Methylphenol	38
91-57-6	2-Methylnaphthalene	37
77-47-4	Hexachlorocyclopentadiene	10
	2,4,6-Trichlorophenol	41
95-95-4	2,4,5-Trichlorophenol	41
	2-Chloronaphthalene	41
	2-Nitroaniline	43
	Dimethylphthalate	46
	Acenaphthylene	41
	2,6-Dinitrotoluene	44
	3-Nitroaniline	38
	Acenaphthene	42
		·····
	·	I

FORM I SV-1

EPA SAMPLE NO.

Lab Name: MITKEM COR		Contract:	S3KLCSD
Lab Name: MIIKEM COR	PORALION	contract:	·····
Lab Code: MITKEM	Case No.:	SAS No.: SDG	No.: MF1131
Matrix: (soil/water)	WATER	Lab Sample II	: LCSD-31700
Sample wt/vol:	1000 (g/mL) ML	Lab File ID:	S3E5567
Level: (low/med)	LOW	Date Received	l:
% Moisture:	decanted: $(Y/N)_{}$	Date Extracte	ed:08/15/07
Concentrated Extract	Volume: 1000 (	(uL) Date Analyzed	1: 08/24/07
Injection Volume:	1.0(uL)	Dilution Fact	or: 1.0
GPC Cleanup: (Y/N)	N pH:	-	
CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/	•

(ug/L or ug/Kg) UG/L

Q

51-28-5	2,4-Dinitrophenol	27	
100-02-7		53	
	Dibenzofuran	44	
	2,4-Dinitrotoluene	46	
	Diethylphthalate	47	
	4-Chlorophenyl-phenylether	41	
86-73-7		43	
	4-Nitroaniline	31	
	4,6-Dinitro-2-methylphenol	46	
	N-Nitrosodiphenylamine (1)	38	
101-55-3	4-Bromophenyl-phenylether	43	
118-74-1	Hexachlorobenzene	43	·
	Pentachlorophenol	47	
	Phenanthrene	49	
	Anthracene	46	
	Carbazole	47	
	Di-n-butylphthalate	53	
	Fluoranthene	48	
129-00-0		50	
	Butylbenzylphthalate	49	
93 08 7 91_9/_1	3,3'-Dichlorobenzidine	28	B
56-55-3	Benzo(a) anthracene	48	
218-01-9		47	
	bis(2-Ethylhexyl)phthalate	53	
	Di-n-octylphthalate	53	
205-99-2	Benzo (b) fluoranthene	50	
	Benzo(k) fluoranthene	48	
	Benzo(a) pyrene	40	
	Indeno (1, 2, 3-cd) pyrene	42	
193-39-3 52-70-2	Dibenzo(a, h) anthracene	45	
	Benzo(g,h,i)perylene	40	
エフエームセームーーーー		44	

(1) - Cannot be separated from Diphenylamine

## FORM I SV-2

#### WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM C	ORPORATION	Contract:	
Lab Code: MITKEM	Case No.:	SAS No.:	SDG No.: MF1131

	EPA	S1	S2	S3	S4	S5	S6	S7	S8	TOT
	SAMPLE NO.	(NBZ)#	(FBP)#	(TPH) #	(PHL)#	(2FP)#	(TBP)#	#	#	OUT
		======	(====)	(====) ;;	(====) //	(======================================				===
01	SBLK3J	80	78	94	74	76	72			0
02	S3KLCS									
		95	90	105	84	81	92			0
03	S3KLCSD	89	89	104	79	77	92			0
04	MW8D	89	88	107	53	62	96			0
05	VEW2	86	79	96	79	77	105			0
06	VEW3	90	83	99	84	79	106			0
07	VEW1	116*	64	95	90	69	124			1 1
08	VEW4	78	44*	55	74	66	112			1
09	K-2	84	77	60	76	73	96			0
10	MW15S	83	81	98	80	73	101			Ö
11	MW15D	86	82	104	78	77	81			Ő
$12^{11}$	K13	49	46*	58	42	41	36*			2
$13^{12}$	FLUSHMOUNT	90	85	70	68		30° 84			
				1		62		<u> </u>		
14	MW8S	90	86	111	81	81	106			0
15	ASW	83	83	87	82	80	106			0
16										
17										
18										
19										
20										
21	·····							h		· .
22										
23	· · · · · · · · · · · · · · · · · · ·									
24										
25	·····							<u></u>	· · · · · · · · · · · · · · · · · · ·	
26										
27										
28										
29						·				
30										

QC	LIMITS
(4	£0-110)

S2	(FBP)	=	2-Fluorobiphenyl	(50-110)
S3	(TPH)	=	Terphenyl-d14	(50-135)
S4	(PHL)	=	Phenol-d5	(10-115)
S5	(2FP)	=	2-Fluorophenol	(20 - 110)
S6	(TBP)	=	2,4,6-Tribromophenol	(40-125)

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

S1 (NBZ) = Nitrobenzene-d5

page 1 of 1

FORM II SV-1

FORM 3

#### WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATIONContract:Lab Code: MITKEMCase No.:SAS No.:SD

SDG No.: MF1131

Matrix Spike - Sample No.: S3KLCS

	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %	QC. LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC #	REC.
	(ug/1)	(ug/ 1)		======	======
Phenol	50		38	76	0-125
bis(2-Chloroethyl)Ether	50		40	80	35-110
2-Chlorophenol	50		41	82	35-105
1,3-Dichlorobenzene	50		36	72	30-100
1,4-Dichlorobenzene	50		36	72	30-100
1,2-Dichlorobenzene	- 50		37	74	35-100
2-Methylphenol	50		26	52	40-110
2,2'-oxybis(1-Chloropro	50		50	100	30-123
4-Methylphenol	50		31	62	30-110
N-Nitroso-di-n-prop.(1)	50		42	84	35-130
Hexachloroethane	50		38	76	30- 95
Nitrobenzene	50		45	90	45-110
Isophorone	50		42	84	50-110
2-Nitrophenol	50		44	88	40-115
2,4-Dimethylphenol	50		3	6*	30-110
2,4-Dichlorophenol	50		41	82	5,0-105
1,2,4-Trichlorobenzene	50		37	74	35-105
Naphthalene	50		38	76	40-100
4-Chloroaniline	50		25	50	15-110
Hexachlorobutadiene	50		35	70	25-105
bis(2-Chloroethoxy)meth	50 -		40	80	45-105
4-Chloro-3-Methylphenol	50		37	74	45-110
2-Methylnaphthalene	50		39	78	45-105
Hexachlorocyclopentadie	50		11	22*	27-147
2,4,6-Trichlorophenol	50		40	80	50-115
2,4,5-Trichlorophenol	50		42	84	50-110
2-Chloronaphthalene	50		42	84	50-105
2-Nitroaniline	50		44	88	50-115

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk  $\star$  Values outside of QC limits

COMMENTS:

page 1 of 6

Lab	Name:	MITKEM	CORPORATION	Contract:			
Lab	Code:	MITKEM	Case No.:	SAS No.:	SDG	No.:	MF1131

Matrix Spike - Sample No.: S3KLCS

	SPIKE	SAMPLE	LCS	LCS	QC.
	ADDED	CONCENTRATION	CONCENTRATION	olo	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC #	REC.
=======================================	========	==================	==========================		======
Dimethylphthalate	50		46	92	25-125
Acenaphthylene	50		42	84	50-105
2,6-Dinitrotoluene	50		44	88	50-115
3-Nitroaniline	50		37	74	20-125
Acenaphthene	50		43	86	45-110
2,4-Dinitrophenol	50		31	62	15-140
4-Nitrophenol	50		55	110	0-125
Dibenzofuran	50		44	88	55-105
2,4-Dinitrotoluene	50		46	92	50-120
Diethylphthalate	50		46	92	40-120
4-Chlorophenyl-phenylet	50		41	82	50-110
Fluorene	50		43	86	50-110
4-Nitroaniline	50		30	60	35-120
4,6-Dinitro-2-methylphe	50		48	96	40-130
N-Nitrosodiphenylamine	50		35	70	50-110
4-Bromophenyl-phenyleth	50		43	86	50-115
Hexachlorobenzene	50		44	88	50-110
Pentachlorophenol	50		50	100	40-115
Phenanthrene	50		50	100	50-115
Anthracene	50	н. 1	47	94	55-110
Carbazole	50		48	96	50-115
Di-n-butylphthalate	50		54	108	55-115
Fluoranthene	50		48	96	55-115
Pyrene	50		51	102	50-130
Butylbenzylphthalate	50		50	100	45-115
3,3'-Dichlorobenzidine	50		23	46	20-110
Benzo(a)anthracene	. 50		47	94	55-110
Chrysene	50		47	94	55-110

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk  $\star$  Values outside of QC limits

\*\*

COMMENTS:

page 2 of 6

Lab Name: MITKEM CORPORATION	Contract:	
Lab Code: MITKEM Case No.:	SAS No.:	SDG No.: MF1131
Matrix Spike - Sample No.: S3KLCS		

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
=======================================	=========	================			======
bis(2-Ethylhexyl)phthal	50		53	106	40-125
Di-n-octylphthalate	50		55	110	35-135
Benzo(b) fluoranthene	50		48	96	45-120
Benzo(k)fluoranthene	50		51	102	45-125
Benzo(a)pyrene	50		43	86	55-110
Indeno (1,2,3-cd) pyrene	50		45	90	45-125
Dibenzo (a, h) anthracene	50		47	94	40-125
Benzo(g,h,i)perylene	50		45	90	40-125
		×			

(1) N-Nitroso-di-n-propylamine

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

COMMENTS:

page 3 of 6

Lab Name: MITKEM CORPORATION	Contract:	
Lab Code: MITKEM Case No.:	SAS No.:	SDG No.: MF1131
Matrix Spike - Sample No.: S3KLCS		

×	SPIKE	LCSD	LCSD			
	ADDED	CONCENTRATION	010	양	QC L	IMITS
COMPOUND	(ug/L)	(ug/L)	REC #	RPD #	RPD	REC.
=======================================	=========	==================	=====	=====	======	======
Phenol	50	36	72	5	40	0-125
bis(2-Chloroethyl)Ether	50	36	72	10	40	35-110
2-Chlorophenol	50	39	78	5	40	35-105
1,3-Dichlorobenzene	50	32	64	12	40	30-100
1,4-Dichlorobenzene	50	33	66	9	40	30-100
1,2-Dichlorobenzene	50	33	66	11	40	35-100
2-Methylphenol	50	29	58	11	40	40-110
2,2'-oxybis(1-Chloropro	50	46	92	8	40	30-123
4-Methylphenol	50	33	66	6	40	30-110
N-Nitroso-di-n-prop.(1)	50	39	78	7	40	35-130
Hexachloroethane	50	34	68	11	40	30- 95
Nitrobenzene	50	44	88	2	40	45-110
Isophorone	50	40	80	5	40	50-110
2-Nitrophenol	50	42	84	5	40	40-115
2,4-Dimethylphenol	50	4	8*	28	40	30-110
2,4-Dichlorophenol	50	40	80	2	40	50-105
1,2,4-Trichlorobenzene	50	35	70	6	40	35-105
Naphthalene	50	36	72	5	40	40-100
4-Chloroaniline	50	30	60	18	40	15-110
Hexachlorobutadiene	50 <sup>°</sup>	32	64	9	40	25-105
bis(2-Chloroethoxy)meth	50	38	76	5	40	45-105
4-Chloro-3-Methylphenol	50	38	76	3	40	45-110
2-Methylnaphthalene	50	37	74	5	40	45-105
Hexachlorocyclopentadie	50	10	20*	10	40	27-147
2,4,6-Trichlorophenol	50	41	82	2	40	50-115
2,4,5-Trichlorophenol	50	41	82	. 2	40	50-110
2-Chloronaphthalene	50	41	82	2	40	50-105
2-Nitroaniline	50	43	86	2	40	50-115

(1) N-Nitroso-di-n-propylamine

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

.

COMMENTS:

page 4 of 6

FORM 3

### WATER SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

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

SDG No.: MF1131

Matrix Spike - Sample No.: S3KLCS

	SPIKE	LCSD	LCSD			
	ADDED	CONCENTRATION	00	010	~	IMITS
COMPOUND	(ug/L)	(ug/L)	REC #	RPD #	RPD	REC.
=======================================	========	=============	======	======	======	======
Dimethylphthalate	50	46	92	0	40	25-125
Acenaphthylene	50	41	82	2	40	50-105
2,6-Dinitrotoluene	50	44	88	0	40	50-115
3-Nitroaniline	50	38	76	3	40	20-125
Acenaphthene	50	42	84	2	40	45-110
2,4-Dinitrophenol	50	27	54	14	40	15-140
4-Nitrophenol	50	53	106	4	40	0-125
Dibenzofuran	50	44	88	0	40	55-105
2,4-Dinitrotoluene	50	46	92	0	40	50-120
Diethylphthalate	50	47	94	2	40	40-120
4-Chlorophenyl-phenylet	50	41	82	0	40	50-110
Fluorene	50	43	86	0	40	50-110
4-Nitroaniline	50	31	62	3	40	35-120
4,6-Dinitro-2-methylphe	50	46	92	· 4	40	40-130
N-Nitrosodiphenylamine	50	38	76	8	40	50-110
4-Bromophenyl-phenyleth	50	43	86	0	40	50-115
Hexachlorobenzene	50	43	86	2	40	50-110
Pentachlorophenol	50	47	94	6	40	40-115
Phenanthrene	50	49	98	2	40	50-115
Anthracene	50	46	92	2	40	55-110
Carbazole	-50	47	94	2	40	50-115
Di-n-butylphthalate	50	53	106	2	40	55-115
Fluoranthene	50	48	96	0	40	55-115
Pyrene	50	50	100	2	40	50-130
Butylbenzylphthalate	50	49	98	2	40	45-115
3,3 <sup>1</sup> -Dichlorobenzidine	50	28	56	20	40	20-110
Benzo (a) anthracene	50	48	96	2	40	55-110
Chrysene	50	47	94	0	40	55-110

(1) N-Nitroso-di-n-propylamine

# Column to be used to flag recovery and RPD values with an asterisk  $\star$  Values outside of QC limits

COMMENTS:

page 5 of 6

FORM III SV

\_\_\_\_\_

Lab Name: MITKEM CORPORATIONContract:Lab Code: MITKEMCase No.:SAS No.:SDG No.: MF1131Matrix Spike - Sample No.:S3KLCS

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LI RPD	IMITS REC.
bis (2-Ethylhexyl) phthal Di-n-octylphthalate Benzo (b) fluoranthene Benzo (k) fluoranthene Benzo (a) pyrene Indeno (1, 2, 3-cd) pyrene Dibenzo (a, h) anthracene Benzo (g, h, i) perylene	50 50 50 50 50 50 50 50	53 53 50 48 42 45 46 44	106 106 100 96 84 90 92 88	0 4 6 2 0 2 2	$ \begin{array}{r}     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     40 \\     $	$\begin{array}{c} 40 - 125 \\ 35 - 135 \\ 45 - 120 \\ 45 - 125 \\ 55 - 110 \\ 45 - 125 \\ 40 - 125 \\ 40 - 125 \end{array}$

(1) N-Nitroso-di-n-propylamine

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

RPD: 0 out of 64 outside limits Spike Recovery: 4 out of 128 outside limits

COMMENTS:

page 6 of 6

EPA SAMPLE NO.

SEMIVOLATILE	METHOD	BT.ANK	STIMMARY
SEMITAOPATTOE	METHOD	DTHUL	SOMMERT

4B

SBLK3J

Lab Name: MITKEM CORPORATION Lab Code: MITKEM Case No.: Lab File ID: S3E5565

Matrix: (soil/water) WATER

Contract:

SAS No.:

SDG No.: MF1131 Lab Sample ID: MB-31700 Date Extracted: 08/15/07

Date Analyzed: 08/24/07

Time Analyzed: 1230

Level: (low/med) LOW

Instrument ID: S3

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

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
	===============			=========
01	S3KLCS	LCS-31700	S3E5566	08/24/07
02	S3KLCSD	LCSD-31700	S3E5567	08/24/07
03	MW8D	F1131-01C	S3E5569	08/24/07
04	VEW2	F1131-03C	S3E5570	08/24/07
05	VEW3	F1131-04C	S3E5571	08/24/07
06	VEW1	F1131-06C	S3E5573	08/24/07
07	VEW1 VEW4	F1131-07C	S3E5574	08/24/07
08	K-2	F1131-08C	S3E5575	08/24/07
00	MW15S	F1131-10C	S3E5576	08/24/07
10	MW15D	F1131-11C	S3E5577	08/24/07
	K13	F1131-12C	S3E5578	08/24/07
11			S3E5578 S3E5579	08/24/07
12	FLUSHMOUNT	F1131-13C	S3E5579 S3E5581	08/24/07
13	MW8S	F1131-02C		08/24/07
14	ASW	F1131-05C	S3E5606	08/2//07
15				
16				
17	·			
18				
19				
20				
21				
22				
23				
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25				
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28				
29				
30				

COMMENTS:

page 1 of 1

# MITKEM Corporation

Total \* Metals \*

Lab Name:	Mitkem Corpo	pration	Contract:	99165
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131
SOW No.:	SW846			
		EPA Sample No.		Lab Sample ID
		ASW		F1131-05
		FLUSHMOUNT		F1131-13
		K-2		<u></u> F1131-08
		<u>K13</u>		F1131-12
		MW15D		F1131-11
		MW15D MW15S		F1131-10
		MW8D		
				$\frac{F1131-01}{F1121-01}$
		MW8DD		F1131-01DUP
		MW8DS		<u>F1131-01MS</u>
		MW8S		<u>F1131-02</u>
		<u>VEW1</u>		F1131-06
		VEW2		<u>F1131-03</u>
		VEW3		<u>F1131-04</u>
		VEW4		F1131-07

## U.S.EPA - CLP COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

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

#### Comments:

Total Metals

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

Signature:	devoluce Dechup	Name:	KAROLINA BADKA
Date:	8/18/07	Title:	

COVER PAGE - IN

			1	EPA SAMPLE NO.
		INORGANIC	ANALYSIS DATA SHEET	ASW
Lab Name:	Mitkem Con	rporation	Contract: 99165	5
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131
Matrix (soil/water): WATER		Lab Sample ID:	F1131-05	
Level (low/med): MED		Date Received:	08/15/2007	
% Solids:	0.0			

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

•	CAS No.	Analyte	Concentration	С	Q	М
Ī	7440-50-8	Copper	6.3	U	L	Р
	7439-89-6	Iron	75100			Р
	7439-96-5	Manganese	2260			P ·

Comments:

			1	EPA :	SAMPLE NO.
		INOR	GANIC ANALYSIS DATA SHEET	FLUSHMC	UNT
Lab Name:	Mitkem Co	rporation	Contract: 991	.65	
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No	.: MF1131
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-13	
Level (low/med): MED		Date Received:	08/15/2007	/2007	
% Solids:	0.0				

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

CAS No.	Analyte	Concentration	C	Q	М
7440-50-8	Copper	19.1	В		P
7439-89-6	Iron	33000			Р
7439-96-5	Manganese	620			Р

Comments:

			1	EPA SAMPLE NO.
		INORGANIC A	NALYSIS DATA SHEET	K-2
Lab Name:	Mitkem Co	rporation	Contract: 991	65
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-08
Level (low/med): MED		Date Received:	08/15/2007	
% Solids:	0.0			

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

CAS No.	Analyte	Concentration	C	Q	М
7440-50-8	Copper	54.8			Р
7439-89-6	Iron	28500			Р
7439-96-5	Manganese	709			P

Comments:

FORM I - IN SW846

			1	EPA SAMPLE NO.
		INORGANIC	ANALYSIS DATA SHEET	К13
Lab Name:	Mitkem Co	rporation	Contract: 991	65
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-12
Level (low/med): MED		Date Received:	08/15/2007	
% Solids:	0.0			

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

CAS No.	Analyte	Concentration	С	Q	M
7440-50-8	Copper	8.6	В		P
7439-89-6	Iron	9600			P
7439-96-5	Manganese	1090			P

Comments:

			1	EPA SAMPLE NO.
		INORGANIC AN	ALYSIS DATA SHEET	MW15D
Lab Name:	Mitkem Co	rporation	Contract: 991	.65
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-11
Level (low/med): MED		Date Received:	08/15/2007	
% Solids:	0.0			

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

CAS No.	Analyte	Concentration	C	Q	М
7440-50-8	Copper	19.8	В		Р
7439-89-6	Iron	396			P
7439-96-5	Manganese	26.9	в		Ρ

Comments:

FORM I - IN

		1	EPA SAMPLE NO.
	INORGANIC	ANALYSIS DATA SHEET	MW15S
Lab Name:	Mitkem Corporation	Contract: 99165	
Lab Code:	MITKEM Case No.:	SAS No.:	SDG No.: MF1131
Matrix (soil/water): WATER		Lab Sample ID: F1	131-10
Level (low/med): MED		Date Received: 08	/15/2007
% Solids:	0.0		

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

CAS No.	Analyte	Concentration	C	Q	M
7440-50-8	Copper	10.4	В		P
7439-89-6	Iron	8870			Р
7439-96-5	Manganese	155			Р

Comments:

			1	EPA SAMPLE NO.
		INORGAN	IC ANALYSIS DATA SHEET	MW8D
Lab Name:	Mitkem Co	orporation	Contract: 9916	5
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-01
Level (low	/med): MEI	)	Date Received:	08/15/2007
<pre>% Solids:</pre>	0.0			

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

CAS No.	Analyte	Concentration	C	Q	М	]
7440-50-8	Copper	18.6	В		Р	
7439-89-6	Iron	10300			Р	
7439-96-5	Manganese	259			Р	

Comments:

			1		EPA SAM	IPLE NO.
		INORGANIC ANA	ALYSIS DATA SHEET		MW8S	
Lab Name:	Mitkem Cor	poration	Contract: 991	.65		
Lab Code:	MITKEM	Case No.:	SAS No.:		SDG No.:	MF1131
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-0	02	
Level (low	/med): MED		Date Received:	08/15/2	2007	
% Solids:	0.0					

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

CAS No.	Analyte	Concentration	C	Q	M
7440-50-8	Copper	24.5	в		Р
7439-89-6	Iron	20800			P
7439-96-5	Manganese	879			P

#### Comments:

			1	EPA SAMPLE NO.
		INORGAN	NIC ANALYSIS DATA SHEET	VEW1
Lab Name:	Mitkem Co	rporation	Contract: 99165	5
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-06
Level (low/med): MED			Date Received:	08/15/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	М
7440-50-8	Copper	9.6	В		P
7439-89-6	Iron	18300			P
7439-96-5	Manganese	559			Р

Comments:

			1	EPA SAMPLE NO.
		INORGANI	C ANALYSIS DATA SHEET	VEW2
Lab Name:	Mitkem Co	rporation	Contract: 991	65
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131
Matrix (soil/water): WATER			Lab Sample ID:	F1131-03
Level (low/med): MED			Date Received:	08/15/2007
% Solids:	0.0			

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

CAS No.	Analyte	Concentration	C	Q	М
7440-50-8	Copper	6.3	U		Р
7439-89-6	Iron	9020			Р
7439-96-5	Manganese	582			Р

Comments:

				1	EPA SAMPLE NO.		
			INORGANIC ANAI	YSIS DATA SHE	SET	VEW3	
Lab Name:	Mitkem Co	rporation		Contract:	99165	·	
Lab Code:	MITKEM	Case No.:		SAS No.:		SDG No.: MF1131	
Matrix (so	il/water):	WATER	,	Lab Sample I	D: F1131-(	04	
Level (low/med): MED			Date Received: 08/15/		2007		

% Solids: 0.0

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

CAS No.	Analyte	Concentration	С	Q	M
7440-50-8	Copper	7.5	в		P
7439-89-6	Iron	5990			Р
7439-96-5	Manganese	413			Р

Comments:

			1	EPA SAMPLE NO.
		INORGANIC	ANALYSIS DATA SHEET	VEW4
Lab Name:	Mitkem Cor	poration	Contract: 991	165
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131
Matrix (so:	il/water):	WATER	Lab Sample ID:	F1131-07
Level (low/med): MED		Date Received:	08/15/2007	
% Solids:	0.0			

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

CAS No.	Analyte	Concentration	С	Q	М
7440-50-8	Copper	54.5			Р
7439-89-6	Iron	20900			Р
7439-96-5	Manganese	1020			Р

Comments:

FORM I - IN SW846

3

BLANKS

Lab Name:	Mitkem Corpora	ation	Contract:	99165		
Lab Code:	MITKEM	Case No.:	SAS No.:		SDG No.:	MF1131
Preparatio	on Blank Matrix	(soil/water): WATER			Method	Blank ID:
Preparatio	on Blank Concen	tration Units (ug/L or	mg/kg): UG	;/L	MB-3183	8

### OPTIMA3\_070824A

	Initial										
	Calibratio	Co	Preparation								
	Blank (ug/L	.)			Blank (ug/I	, )			Blank		
Analyte		C	1	С	2	C	3	С		С	М
Copper	6.3	U	6.3	U	6.3	U	6.3	U	6.300	U	
Iron	19.0	U	19.0	U	19.0	U	19.0	U	19.000	U	
Manganese	1.8	U	1.8	U	1.8	U	1.8	U	1.800	U	

3

BLANKS

 Lab Name:
 Mitkem Corporation
 Contract:
 99165

 Lab Code:
 MITKEM
 Case No.:
 SAS No.:
 SDG No.:
 MF1131

Preparation Blank Matrix (soil/water):

Method Blank ID:

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

#### OPTIMA3\_070824A

	Init	ial										
	Calibr	ration		С	ont	inuing Cali	bra	tion		Preparatio	n	
	Blank	(ug/L)				Blank (ug/	L)			Blank		
Analyte		C	1		С	2	C	3	С		C	М
Copper				6.3	U	6.3	υ	6.3	U		1	
Iron				19.0	U	19.0	) U	19.0	U			
Manganese				1.8	U	1.8	U	1.8	U			

			U.S. E	PA - CLP		
			EPA SAMPLE NO.			
			SPIKE SAMI	PLE RECOVERY	-	MW8DS
Lab Name:	Mitkem Cor	rporation		Contract:	99165	
Lab Code:	MITKEM	Case No.:		SAS No.:		SDG No.: MF1131
Matrix (soil/water): WATER				Level (low,	/med): MED	
% Solids fo	or Sample:	0.0				

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

	Control						
	Limit	Spiked Sample	Sample	Spike			
Analyte	%R	Result (SSR) C	Result (SR) C	Added (SA)	%R	Q	M
Copper	75-125	1219.6342	18.6349 B	1130.00	106.3		Р
Iron	75-125	14761.6016	10306.5632	4550.00	97.9		Р
Manganese	75-125	2681.3464	258.8006	2270.00	106.7		Р

Comments:

FORM V (PART 1) - IN

			U.S. EH	PA - CLP		
				6		EPA SAMPLE NO.
			DUPLI	CATES		MW8DD
Lab Name:	Mitkem Co	rporation	^.	Contract:	99165	
Lab Code:	MITKEM	Case No.:		SAS No.:		SDG No.: MF1131
Matrix (so	il/water):	WATER		Level (low/	(med): MED	
% Solids f	or Sample:	0.0		% Solids	for Duplica	te: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	С	RPD	Q	М
Copper		18.6349	В	17.3457	В	7.2		Р
Iron		10306.5632		10165.9636		1.4		Р
Manganese		258.8006		252.2349		2.6		Р

#### LABORATORY CONTROL SAMPLE

Lab Name:	Mitkem C	orporation	Contract:	99165		
Lab Code:	MITKEM	Case No.:	SAS No.:		SDG No.:	MF1131
Solid LCS	Source:				LCS(D) ID:	
Aqueous I	CS Source	:			LCS-31838	
		Aqueous (ug/L)		Solid (mg	/kg)	

	-							
Analyte	True	Found	%R	True	Found	С	Limits	۶R
Copper	1130.0	1279.48	113.2					
Iron	4550.0	5296.48	116.4					
Manganese	2270.0	2646.36	116.6					

FORM VII - IN

SW846

Ø1UØ

U.S. EPA - CLP			
9	EPA	SAMPLE	NO.
ICP SERIAL DILUTIONS	MW8D		

 Lab Name:
 Mitkem Corporation
 Contract:
 99165

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

 Matrix (soil/water):
 WATER
 Level (low/med):
 MED

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

	Initial		Serial				
-	Sample		Dilution		90		
Analyte	Result (I)	С	Result (S)	С	Difference	Q	М
Copper	18.63	В	31.50	U	100		Ρ
Iron	10306.56		10924.48		6		Ρ
Manganese	258.80		275.93		7		P

# MITKEM Corporation

Dissolved \* Metals \*

Lab Name:	ne: Mitkem Corporation Contr		Contract:	99165		
Lab Code: MITKEM		Case No.:	SAS No.:	SDG No.: MF1131D		
SOW No.:	SW846					
		EPA Sample No.		Lab Sample ID		
		ASW		<u>F1131-05</u>		
		FLUSHMOUNT		<u>F1131-13</u>		
		<u>K-2</u> K13		<u>F1131-08</u> F1131-12		
		MW15D		F1131-12 F1131-11		
		MW155		F1131-10		
		MW8D		F1131-01		
		MW8DD		F1131-01DUP		
		MW8DS		F1131-01MS		
		MW8S		F1131-02		
		VEW1		F1131-06		
		VEW2		F1131-03		
		VEW3		<u>F1131-04</u>		
		VEW4		<u>F1131-07</u>		

		U.S.EPA	. – CLP		
COVER	PAGE	 INORGANIC	ANALYSES	DATA	PACKAGE

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

#### Comments:

Dissolved Metals

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

Signature:	Vadius Geolline	Name:	XAROLINH	BADNER
Date:	8/28/07	Title:		
				·

COVER PAGE - IN

			1	EPA SA	AMPLE NO.
		INORGAN	IC ANALYSIS DATA SHEET	ASW	
Lab Name:	Mitkem Co	rporation	Contract: 991	65	
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.	MF1131D
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-05	
Level (low	/med): MED		Date Received:	08/15/2007	
% Solids:	0.0				

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

CAS No.	Analyte	Concentration	C	Q	М
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	46800			P
7439-96-5	Manganese	2080			P.

Comments:

			1	EPA SAMPLE NO.
		INORGA	ANIC ANALYSIS DATA SHEET	FLUSHMOUNT
Lab Name:	Mitkem Co	rporation	Contract: 9916	5
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131D
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-13
Level (low	/med): MED		Date Received:	08/15/2007

% Solids: 0.0

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

CAS No.	Analyte	Concentration	С	Q	М
7440-50-8	Copper	6.3	U		Р
7439-89-6	Iron	159	В		Р
7439-96-5	Manganese	2.3	В		P

Comments:

			1	EPA SAMPLE NO.
		INORGANIC A	NALYSIS DATA SHEET	K-2
Lab Name:	Mitkem Co	rporation	Contract: 991	65
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131D
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-08
Level (low	/med): MED		Date Received:	08/15/2007
% Solids:	0.0			

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

CAS No.	Analyte	Concentration	С	Q	М
7440-50-8	Copper	6.3	U		Р
7439-89-6	Iron	5680			P
7439-96-5	Manganese	550			Р

Comments:

			1	EPA SAMPLE NO.
		INOR	GANIC ANALYSIS DATA SHEET	К13
Lab Name:	Mitkem Co	rporation	Contract: 99165	5
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131D
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-12
Level (low	/med): MED		Date Received:	08/15/2007
% Solids:	0.0			

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

CAS No.	Analyte	Concentration	С	Q	М
7440-50-8	Copper	6.3	U		Р
7439-89-6	Iron	380			P
7439-96-5	Manganese	20.3	В		Р

Comments:

		1		EPA SAMPLE NO.
		INORGANIC ANALYSIS DATA SH	IEET	MW15D
Lab Name:	Mitkem Corporation	Contract:	99165	
Lab Code:	MITKEM Case No.	SAS No.:	w. e.	SDG No.: MF1131D
Matrix (so	il/water): WATER	Lab Sample	ID: F1131	11
Level (low	/med): MED	Date Receiv	ed: 08/15	/2007
% Solids:	0.0			

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

CAS No.	Analyte	Concentration	С	Q	М
7440-50-8	Copper	6.3	Ū.		Ρ
7439-89-6	Iron	174	В		P
7439-96-5	Manganese	10.6	В		Р

Comments:

FORM I - IN

			1		EPA SAMPLE NO.
		INC	DRGANIC ANALYSIS DATA SH	EET	MW15S
Lab Name:	Mitkem Co	rporation	Contract:	99165	
Lab Code:	MITKEM	Case No.:	SAS No.:		SDG No.: MF1131D
Matrix (so	il/water):	WATER	Lab Sample 1	[D:	10
Level (low	/med): MED	)	Date Receive	ed: 08/15/	2007
% Solids:	0.0				

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

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CAS No.	Analyte	Concentration	С	Q	М
7440-50-8	Copper	6.3	U		Р
7439-89-6	Iron	5910			Р
7439-96-5	Manganese	144			Р

Comments:

				1			EPA SAI	MPLE NO.
		I	INORGANIC A	NALYSIS DATA SH	IEET		MW8D	
Lab Name:	Mitkem Co	rporation		Contract:	991	65		
Lab Code:	MITKEM	Case No.:		SAS No.:			SDG No.:	MF1131D
Matrix (so	il/water):	WATER		Lab Sample	ID:	F1131-	-01	
Level (low	/med): MED			Date Receiv	ed:	08/15,	/2007	
% Solids:	0.0			,				

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

CAS No.	Analyte	Concentration	C	Q	М
7440-50-8	Copper	6.3	U		Ρ
7439-89-6	Iron	167	в		Р
7439-96-5	Manganese	4.4	В		Р

Comments:

1	EPA SAMPLE NO.
IC ANALYSIS DATA SHEET	MW8S
Contract: 99165	
SAS No.:	SDG No.: MF1131D
Lab Sample ID: F1131-	-02
Date Received: 08/15/	/2007
	Contract: 99165

% Solids: 0.0

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

CAS No.	Analyte	Concentration	С	Q	М
7440-50-8	Copper	6.3	U		Р
7439-89-6	Iron	9030			Ρ
7439-96-5	Manganese	765			Ρ

Comments:

			1	EPA SAMPLE NO.
		INORGA	NIC ANALYSIS DATA SHEET	VEW1
Lab Name:	Mitkem Co	rporation	Contract: 99165	
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131D
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-06
Level (low	/med): MED		Date Received:	08/15/2007
% Solids:	0.0			

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

CAS No.	Analyte	Concentration	С	Q	М
7440-50-8	Copper	6.3	U		Р
7439-89-6	Iron	5590			Р
7439-96-5	Manganese	499			Р

Comments:

				1		EPA SAM	IPLE NO.
			INORGANIC ANAL	YSIS DATA SH	EET	VEW2	
Lab Name:	Mitkem Cor	poration		Contract:	99165		
Lab Code:	MITKEM	Case No.:		SAS No.:		SDG No.:	MF1131D
Matrix (so	il/water):	WATER		Lab Sample I	ID: F1131-	03	
Level (low	/med): MED			Date Receive	ed: 08/15/	2007	

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	М
7440-50-8	Copper	6.3	υ		P
7439-89-6	Iron	866			P
7439-96-5	Manganese	550			P

Comments:

			1	EPA SAMPLE NO.
		INORGAN	IC ANALYSIS DATA SHEET	VEW3
Lab Name:	Mitkem Co	prporation	Contract: 9916	55
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131D
Matrix (so	il/water):	WATER	Lab Sample ID:	F1131-04
Level (low	/med): MED	)	Date Received:	08/15/2007
% Solids:	0.0			

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

CAS No.	Analyte	Concentration	С	Q	М
7440-50-8	Copper	6.3	U		Р
7439-89-6	Iron	642			Ρ
7439-96-5	Manganese	351			Ρ

Comments:

EPA SAMPLE NO.

INORGA			IC ANALYSIS DATA SHEET	VEW4
Lab Name:	Mitkem Co	rporation	Contract: 99165	
Lab Code:	MITKEM	Case No.:	SAS No.:	SDG No.: MF1131D
Matrix (so	il/water):	WATER	Lab Sample ID: F	1131-07
Level (low	/med): MED		Date Received: 0	8/15/2007
% Solids:	0.0			

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

CAS No.	Analyte	Concentration	С	Q	М
7440-50-8	Copper	6.3	U		Р
7439-89-6	Iron	1010			Р
7439-96-5	Manganese	843			Р

Comments:

-≺		

BLANKS

Lab Name: Mitkem Corporation Contract: 99165
Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131D
Preparation Blank Matrix (soil/water): WATER Method Blank ID:
Preparation Blank Concentration Units (ug/L or mg/kg): UG/L
OPTIMA3\_070824A

	Initial										
-	Calibratio	n	Co	ont	inuing Calib	ora	tion		Preparation	n	
	Blank (ug/I	,)			Blank (ug/I	')			Blank		
Analyte		С	1	С	2	C	3	С		С	М
Copper	6.3	U	6.3	U	6.3	U	6.3	U	6.300	U	
Iron	19.0	U	19.0	U	19.0	U	19.0	U	19.000	U	
Manganese	1.8	U	1.8	U	1.8	U	1.8	U	1.800	U	-

FORM III - IN

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#### BLANKS

 Lab Name: Mitkem Corporation
 Contract: 99165

 Lab Code: MITKEM
 Case No.:
 SAS No.:
 SDG No.: MF1131D

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

 Preparation Blank Concentration Units (ug/L or mg/kg):
 UG/L
 MB-31839

#### OPTIMA3 070824A

	Initial												
	Calibratic	n		Con	tinuing	Calik	ora	tion			Preparation	n	
	Blank (ug/I	L)			Blank	(ug/I	」)				Blank		
Analyte		C	1	C	2		С	3	(	С		С	М
Copper			6	.3 U		6.3	U	e	.3 1	U	6.300	U	1
Iron			19	.0 U		19.0	U	19	.0 T	U	19.000	U	
Manganese			1	.8 U		1.8	U	1	.8 T	IJ	1.800	U	

FORM III - IN

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#### BLANKS

Lab Name:Mitkem CorporationContract:99165Lab Code:MITKEMCase No.:SAS No.:SDG No.:MF1

Preparation Blank Matrix (soil/water):

SDG No.: MF1131D

Method Blank ID:

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

#### OPTIMA3\_070824A

	Initial									
	Calibratic	n	C	ont	inuing Calib	ora	tion		Preparation	
	Blank (ug/	L)			Blank (ug/I	,)			Blank	
Analyte		C	1	С	2	С	3	C	C	
Copper			6.3	U	6.3	U	6.3	U		1
Iron			19.0	U	19.0	U	19.0	U		
Manganese			1.8	U	1.8	U	1.8	U		

			5A		EPA SAMP	LE NO.
		SI	PIKE SAMPLE RECOVERY		MW8DS	
Lab Name:	Mitkem Co:	rporation	Contract: 99	9165		
Lab Code:	MITKEM	Case No.:	SAS No.:		SDG No.: N	1F1131D
Matrix (soi	ll/water):	WATER	Level (low/med	d): MED	·	
% Solids fo	or Sample:	0.0				

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

	Control						
	Limit	Spiked Sample	Sample	Spike			
Analyte	%R	Result (SSR) C	Result (SR) C	Added (SA)	%R	Q	М
Copper	75-125	1223.1595	6.3000 U	1130.00	108.2		Р
Iron	75-125	5183.4957	167.1296 B	4550.00	110.2		Р
Manganese	75-125	2511.2521	4.3867 B	2270.00	110.4		Р

Comments:

			U.S. EPA - (	CLP			
			6			EPA SAMPLE NO.	
			DUPLICATES	5		MW8DD	-
Lab Name:	Mitkem Con	rporation	Cont	ract:	99165		
Lab Code:	MITKEM	Case No.:	SAS 1	No.:		SDG No.: MF1131D	
Matrix (so	il/water):	WATER	Leve	L (low,	/med): MED		
% Solids f	or Sample:	0.0	00	Solids	for Duplica	te: 0.0	

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

Analyte	Control Limit	Sample (S)	С	Duplicate (D)		RPD	Q	М
Copper		6.3000	U	6.3000				Р
Iron		167.1296	В	152.8782	В	8.9		Р
Manganese		4.3867	В	3.5880	В	20		Р

#### 7

#### LABORATORY CONTROL SAMPLE

Lab Name:	Mitkem Corp	poration	Contract:	99165		
Lab Code:	MITKEM	Case No.:	SAS No.:		SDG No.:	MF1131D
Solid LCS	Source:				LCS(D) ID:	
Aqueous LC	CS Source:				LCS-31839	

	Aque	ous (ug/L	)		Sol	id (mg,	/kg)	
Analyte	True	Found	%R	True	Found	С	Limits	%R
Copper	1130.0	1252.99	110.9	2000				
Iron	4550.0	5235.02	115.1					
Manganese	2270.0	2590.18	114.1					

FORM VII - IN

			9		EPA SAMPLE NO.
			ICP SERIAL DILUTIONS		MW8D
Lab Name:	Mitkem Co	rporation	Contract:	99165	
Lab Code:	MITKEM	Case No.:	SAS No.:		SDG No.: MF1131D
Matrix (so	il/water):	WATER	Level (low,	/med): MED	
	Concentra	tion Units (ug/I	L or mg/kg dry weight):	 uq/L	

	Initial		Serial				
	Sample		Dilution		010		
Analyte	Result (I)	С	Result (S)	С	Difference	Q	М
Copper	6.30	U	31.50	U	· · · · · · · · · · · · · · · · · · ·		P
Iron	167.13	В	165.78	В	1		Р
Manganese	4.39	В	9.00	U	100		P

# MITKEM Corporation

# \* Wet Chemistry \*

Client: Earth Tech Client Sample ID: MW8D Lab ID: F1131-01 Date: 29-Aug-07

Project:Korkay IncCollection Date:08/14/07 8:30

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
Ion Chromotography (LOW)		E300IC_W		
Chloride	41	2.0 mg/L	1 08/24/2007 18:18	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/24/2007 18:18	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/15/2007 21:15	31701
TOTAL ORGANIC CARBON by Combustion		E415.1_TOC	w	
Organic Carbon, Total	ND	10 mg/L	1 08/24/2007 15:21	31916
ALKALINITY (Total)		SM2320_W		
Alkalinity, Total (As CaCO3)	62	20 mg/L CaCO3	1 08/22/2007 14:30	31845
NITROGEN (ORGANIC) by Micro-Kjeldahl Method		SM4500 TK	N W	
TKN-N	0.62	0.20 mg/L	1 08/17/2007 9:45	31761

**Qualifiers:** 

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

**Date:** 29-Aug-07

Client: Earth Tech Client Sample ID: MW8S Lab ID: F1131-02

Project: Korkay Inc Collection Date: 08/14/07 9:00

Analyses	Result Qual	<b>RL</b> Units	DF Date Analyzed	Batch ID
Ion Chromotography (LOW)		E300IC_W		
Chloride	38	2.0 mg/L	1 08/24/2007 18:28	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/24/2007 18:28	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/15/2007 21:25	31701
TOTAL ORGANIC CARBON by Combustion		E415.1_TOC_	Ŵ	
Organic Carbon, Total	17	10 mg/L	1 08/24/2007 15:21	. 31916
ALKALINITY (Total)		SM2320 W		
Alkalinity, Total (As CaCO3)	230	20 mg/L CaCO3	1 08/22/2007 14:30	31846
NITROGEN (ORGANIC) by Micro-Kjeldahl Method		SM4500_TKN	I W	
TKN-N	1.7	0.20 mg/L	1 08/17/2007 9:45	31761

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

RL - Reporting Limit

Date: 29-Aug-07

Client: Earth Tech Client Sample ID: VEW2 Lab ID: F1131-03

Project:Korkay IncCollection Date:08/14/07 10:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
Ion Chromotography (LOW)		E300IC_W		
Chloride	ND	2.0 mg/L	1 08/24/2007 18:39	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/24/2007 18:39	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/15/2007 21:36	31701
TOTAL ORGANIC CARBON by Combustion		E415.1_TOC_	w	
Organic Carbon, Total	28	10 mg/L	1 08/24/2007 15:21	31916
ALKALINITY (Total)		SM2320_W		
Alkalinity, Total (As CaCO3)	240	20 mg/L CaCO3	1 08/22/2007 14:30	31846
NITROGEN (ORGANIC) by Micro-Kjeldahl Method		SM4500_TKN	L_W	
TKN-N	3.6	0.20 mg/L	1 08/17/2007 9:45	31761

Qualifiers: ND

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

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Client: Earth Tech Client Sample ID: VEW3 Lab ID: F1131-04 Date: 29-Aug-07

Project: Korkay Inc Collection Date: 08/14/07 9:30

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
Ion Chromotography (LOW)		E300IC_W		
Chloride	3.1	2.0 mg/L	1 08/24/2007 18:50	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/24/2007 18:50	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/15/2007 21:47	31701
TOTAL ORGANIC CARBON by Combustion		E415.1_TOC	_ <b>W</b>	
Organic Carbon, Total	34	10 mg/L	1 08/24/2007 15:21	31916
ALKALINITY (Total)		SM2320_W		
Alkalinity, Total (As CaCO3)	370	20 mg/L CaCO3	1 08/22/2007 14:30	31846
NITROGEN (ORGANIC) by Micro-Kjeldahl Method		SM4500 TKN	I W	
TKN-N	2.0	0.20 mg/L	1 08/17/2007 9:45	31761

Qualifiers:

rs: ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

DF - Dilution Factor

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Date: 29-Aug-07

Client: Earth Tech Client Sample ID: ASW Lab ID: F1131-05

Project:Korkay IncCollection Date:08/14/07 10:30

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
Ion Chromotography (LOW)		E300IC_W		
Chloride	2.6	2.0 mg/L	1 08/24/2007 19:01	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/24/2007 19:01	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/15/2007 21:58	31701
TOTAL ORGANIC CARBON by Combustion		E415.1_TOC_	W	
Organic Carbon, Total	49	10 mg/L	1 08/24/2007 15:21	31916
ALKALINITY (Total)		SM2320_W		
Alkalinity, Total (As CaCO3)	250	20 mg/L CaCO3	1 08/22/2007 14:30	31846
NITROGEN (ORGANIC) by Micro-Kjeldahl Method		SM4500_TKN	W	
TKN-N	3.1	0.20 mg/L	1 08/17/2007 9:45	31761

**Qualifiers:** 

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Client: Earth Tech Client Sample ID: VEW1 Lab ID: F1131-06 Date: 29-Aug-07

Project:Korkay IncCollection Date:08/14/07 11:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
Ion Chromotography (LOW)		E300IC_W		
Chloride	ND	2.0 mg/L	1 08/24/2007 19:11	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/24/2007 19:11	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/15/2007 22:08	31701
TOTAL ORGANIC CARBON by Combustion		E415.1_TOC	_w	
Organic Carbon, Total	35	10 mg/L	1 08/24/2007 15:21	31916
ALKALINITY (Total)		SM2320_W		
Alkalinity, Total (As CaCO3)	160	20 mg/L CaCO3	1 08/22/2007 14:30	31846
NITROGEN (ORGANIC) by Micro-Kjeldahl Method		SM4500_TKN	I_W	
TKN-N	11	1.0 mg/L	5 08/17/2007 9:45	31761

**Qualifiers:** 

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Client: Earth Tech Client Sample ID: VEW4 Lab ID: F1131-07 Date: 29-Aug-07

Project:Korkay IncCollection Date:08/14/07 11:30

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
Ion Chromotography (LOW)		E300IC_W		
Chloride	5.6	2.0 mg/L	1 08/24/2007 19:22	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/24/2007 19:22	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/15/2007 22:19	31701
TOTAL ORGANIC CARBON by Combustion		E415.1_TOC_	W	
Organic Carbon, Total	87	10 mg/L	1 08/24/2007 15:21	31916
ALKALINITY (Total)		SM2320 W		
Alkalinity, Total (As CaCO3)	410	20 mg/L CaCO3	1 08/22/2007 14:30	31846
NITROGEN (ORGANIC) by Micro-Kjeldahl Method		SM4500 TKN	I W	
TKN-N	12	1.0 mg/L	5 08/17/2007 9:45	31761

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Client: Earth Tech Client Sample ID: K-2 Lab ID: F1131-08 Date: 29-Aug-07

Project:Korkay IncCollection Date:08/14/07 12:30

Analyses	Result Qual	<b>RL</b> Units	DF Date Analyzed	Batch ID
Ion Chromotography (LOW)		E300IC_W		
Chloride	ND	2.0 mg/L	1 08/24/2007 19:54	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/24/2007 19:54	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/15/2007 22:30	31701
TOTAL ORGANIC CARBON by Combustion		E415.1_TOC_	_W	
Organic Carbon, Total	21	10 mg/L	1 08/24/2007 15:21	31916
ALKALINITY (Total)		SM2320_W		
Alkalinity, Total (As CaCO3)	180	20 mg/L CaCO3	1 08/22/2007 14:30	31846
NITROGEN (ORGANIC) by Micro-Kjeldahl Method		SM4500 TKN	W	
TKN-N	2.4	0.20 mg/L	1 08/17/2007 9:45	31761

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

**Date:** 29-Aug-07

Client: Earth Tech Client Sample ID: MW15S Lab ID: F1131-10

Project:Korkay IncCollection Date:08/14/07 14:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
Ion Chromotography (LOW)		E300IC_W		
Chloride	13	2.0 mg/L	1 08/24/2007 20:05	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/24/2007 20:05	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/15/2007 22:40	31701
TOTAL ORGANIC CARBON by Combustion		E415.1_TOC_	_w	
Organic Carbon, Total	13	10 mg/L	1 08/24/2007 15:21	31916
ALKALINITY (Total)		SM2320_W		
Alkalinity, Total (As CaCO3)	80	20 mg/L CaCO3	1 08/22/2007 14:30	31845
NITROGEN (ORGANIC) by Micro-Kjeldahl Method		SM4500_TKN	I_W	
TKN-N	3.5	0.20 mg/L	1 08/17/2007 9:45	31761

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Client: Earth Tech Client Sample ID: MW15D Lab ID: F1131-11 Date: 29-Aug-07

Project:Korkay IncCollection Date:08/14/07 14:30

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
Ion Chromotography (LOW)		E300IC_W		
Chloride	ND	2.0 mg/L	1 08/24/2007 20:16	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/24/2007 20:16	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/15/2007 23:13	31701
TOTAL ORGANIC CARBON by Combustion		E415.1_TOC	W	
Organic Carbon, Total	ND	10 mg/L	1 08/24/2007 15:21	31916
ALKALINITY (Total)		SM2320 W		
Alkalinity, Total (As CaCO3)	80	20 mg/L CaCO3	1 08/22/2007 14:30	31845
NITROGEN (ORGANIC) by Micro-Kjeldahl Method		SM4500_TKN	I_W	
TKN-N	0.69	0.20 mg/L	1 08/17/2007 9:45	31761

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Client: Earth Tech Client Sample ID: K13 Lab ID: F1131-12 Date: 29-Aug-07

Project:Korkay IncCollection Date:08/14/07 16:00

Result Qual	RL Units	DF Date Analyzed	Batch ID
	E300IC_W		
ND	2.0 mg/L	1 08/24/2007 20:26	31701
ND	0.50 mg/L	1 08/24/2007 20:26	31701
ND	0.50 mg/L	1 08/15/2007 23:23	31701
	E415.1_TOC	_w	
ND	10 mg/L	1 08/24/2007 15:21	31916
	SM2320_W		
160	20 mg/L CaCO3	1 08/22/2007 14:30	31846
	SM4500 TKN	I W	
1.1	0.20 mg/L	1 08/17/2007 9:45	31761
	ND ND ND 160	E300IC_W           ND         2.0 mg/L           ND         0.50 mg/L           ND         0.50 mg/L           ND         0.50 mg/L           ND         0.50 mg/L           SM2320_W         20 mg/L CaCO3           SM4500_TKM	E300IC_W           ND         2.0 mg/L         1 08/24/2007 20:26           ND         0.50 mg/L         1 08/24/2007 23:23           E415.1_TOC_W         ND         10 mg/L         1 08/24/2007 15:21           SM2320_W         20 mg/L CaCO3         1 08/22/2007 14:30           SM4500_TKN_W         SM4500_TKN_W         SM4500_TKN_W

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Date: 29-Aug-07

Client: Earth Tech Client Sample ID: FLUSHMOUNT Lab ID: F1131-13

Project: Korkay Inc Collection Date: 08/14/07 17:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
Ion Chromotography (LOW)		E300IC_W		
Chloride	2.1	2.0 mg/L	1 08/24/2007 20:37	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/24/2007 20:37	31701
ortho-Phosphate (As P)	ND	0.50 mg/L	1 08/15/2007 23:34	31701
TOTAL ORGANIC CARBON by Combustion		E415.1_TOC_	W	
Organic Carbon, Total	ND	10 mg/L	1 08/24/2007 15:21	31916
ALKALINITY (Total)		SM2320_W		
Alkalinity, Total (As CaCO3)	300	20 mg/L CaCO3	1 08/22/2007 14:30	31846
NITROGEN (ORGANIC) by Micro-Kjeldahl Method		SM4500_TKN	ı w	
TKN-N	2.3	0.20 mg/L	1 08/17/2007 9:45	31761

Qualifiers:	
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ers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limitsB - Analyte detected in the associated Method Blank

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- RL Reporting Limit

Mitkem Corporation								<b>Date:</b> 29-Aug-07	4
CLIENT: Earth Tech Work Order: F1131						ANALYTIC	ANALYTICAL QC SUMMARY REPORT	MARY REP	ORT
						TestCode:	ode: E300IC_W	M_	
Sample ID: MB-31701 Client ID: MB-31701	SampType: MBLK Batch ID: 31701	TestCode: Units:	TestCode: E300IC_W Units: mg/L		Prep Date: Analysis Date:	8/15/2007 8/15/2007	Run ID: IC1_070815A SeqNo: 682778		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	nit RPD Ref Val	%RPD RPDLimit	Qual
Sample ID: MB-31701	SampType: MBLK	TestCode:	TestCode: E300IC_W		Prep Date:	8/15/2007	Run ID: IC1_070824B		
Client ID: MB-31701	Batch ID: 31701	Units:	Units: mg/L		Analysis Date:	8/24/2007	SeqNo: 683235		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	nit RPD Ref Val	%RPD RPDLimit	Qual
Chloride ortho-Phosphate (As P)		UN UN	2.0 0.50						
Sample ID: LCS-31701	SampType: LCS	TestCode:	TestCode: E300IC_W		Prep Date:	8/15/2007	Run ID: IC1_070815A		
Client ID: LCS-31701	Batch ID: 31701	Units:	Units: mg/L		Analysis Date:	8/15/2007	SeqNo: 682779		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	nit RPD Ref Val	%RPD RPDLimit	Qual
ortho-Phosphate (As P)		3.602	0.50	4.000	0	90.1 90 110	0		
Sample ID: LCS-31701	SampType: LCS	TestCode:	TestCode: E300IC_W		Prep Date:	8/15/2007	Run ID: IC1_070824B		
Client ID: LCS-31701	Batch ID: 31701	Units:	Units: mg/L		Analysis Date:	8/24/2007	SeqNo: 683236		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	nit RPD Ref Val	%RPD RPDLimit	Qual
Chloride ortho-Phosphate (As P)		15.18 3.652	2.0 0.50	16.00 4.000	00	94.8 90 110 91.3 90 110	0 0		

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Qualifiers:

CLIENT: Earth Tech Work Order: F1131						ANALYTICAL QC SUMMARY REPORT	AL QC S	NMUS	ARY REP	ORT
Project: Korkay Inc						TestCode:		E415.1_TOC_W	DC_W	
Sample ID: <b>MB-31916</b> Client ID: <b>MB-31916</b>	SampType: MBLK Batch ID: 31916	TestCode: <b>E415</b> . Units: <b>mg/L</b>	TestCode: <b>E415.1_TOC_W</b> Units: mg/L		Prep Date: 8/24/2007 Analysis Date: 8/24/2007	8/24/2007 8/24/2007	Run ID: TOC1_070824A SeqNo: 683175	070824A 75		
Analyte Organic Carbon, Total		Result	<b>PQL</b> 10	SPK value	SPK Ref Val	%REC LowLimit HighLimit		RPD Ref Val	%RPD RPDLimit	Qual
Sample ID: LCS-31916 Client ID: LCS-31916	SampType: LCS Batch ID: 31916	TestCode: E415. Units: mg/L	TestCode: E415.1_TOC_W Units: mg/L		Prep Date: Analysis Date:	8/24/2007 8/24/2007	Run ID: <b>TOC1_070824A</b> SeqNo: 683176	070824A 76		
Analyte Organic Carbon, Total		Result 60.55	<b>PQL</b> 10	SPK value 53.70	SPK Ref Val	%REC         LowLimit HighLimit           113         80         120		ef Val	%RPD RPDLimit	Qual
Sample ID: F1131-13BMS Client ID: FLUSHMOUNT	SampType: MS Batch ID: 31916	TestCode: E415. Units: mg/L	TestCode: E415.1_TOC_W Units: mg/L		Prep Date: 8/24/2007 Analysis Date: 8/24/2007	8/24/2007 8/24/2007	Run ID: <b>TOC1_070824A</b> SeqNo: <b>683191</b>	_070824A		
Analyte Organic Carbon, Total		Result 60.82	<b>PQL</b> 10	SPK value 50.00	SPK Ref Val 0	%REC         LowLimit HighLimit           122         75         125		tef Val	%RPD RPDLimit	Qual
Sample ID: F1131-13BDUP Client ID: FLUSHMOUNT	SampType: DUP Batch ID: 31916	TestCode: <b>E415.</b> Units: <b>mg/L</b>	TestCode: E415.1_TOC_W Units: mg/L		Prep Date: 8/24/2007 Analysis Date: 8/24/2007	8/24/2007 8/24/2007	Run ID: <b>TOC1_070824A</b> SeqNo: 683190	_070824A		
Analyte		Result	PQL	SPK value	SPK Ref Val	EC LowLimit Highl		RPD Ref Val 🥠	%RPD RPDLimit	Qual
Olganic Candul, Lota		N N	0	þ	5		0		0	

S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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

Qualifiers:

CLIENT: Earth Tech Work Order: F1131	ų				ANALYTICA	ANALYTICAL QC SUMMARY REPORT	EPORT
	IC				TestCode:	e: SM2320_W	
Sample ID: MB-31845 Client ID: MB-31845	SampType: MBLK Batch ID: 31845	TestCode: SM2320_W Units: mg/L CaCO3	03	Prep Date: Analysis Date:	8/22/2007 R	Run ID: SPEC2_070822A SeqNo: 681038	
Analyte Alkalinity, Total (As CaCO3)		Result PQL ND 20	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit	imit Qual
i i i i i i i i i i i i i i i i i i i	SampType: MBLK	TestCode: SM2320_W		Prep Date:		Run ID: SPEC2_070822A	
Client ID: MB-31846 Analyte	Batch ID: 31846	Jnits: mg/ PC	03 SPK value	Analysis Date: SPK Ref Val	8/22/2007 S %REC LowLimit HighLimit	SeqNo: 681045 t RPD Ref Val %RPD RPDLimit	imit Qual
Alkalinity, Total (As CaCO3)		ND 20					
Sample ID: LCS-31845 Client ID: LCS-31845	SampType: LCS Batch ID: 31845	TestCode: SM2320_W Units: mg/L CaCO3	03	Prep Date: Analysis Date:	8/22/2007 R 8/22/2007 S	Run ID: SPEC2_070822A SeqNo: 681039	
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit	imit Qual
Alkalinity, Total (As CaCO3)		38.00 20	37.00	0	103 80 120	0	
Sample ID: LCS-31846 Client ID: LCS-31846	SampType: LCS Batch ID: 31846	TestCode: SM2320_W Units: mg/L CaCO3	03	Prep Date: Analysis Date:	8/22/2007 R 8/22/2007 S	Run ID: SPEC2_070822A SeqNo: 681046	
Analyte Alkalinity. Total (As CaCO3)		Result         PQL           40.00         20	SPK value 37.00	SPK Ref Val 0	%REC LowLimit HighLimit 108 80 120	RPD Ref Val %RPD RPDLimit	imit Qual
Sample ID: F1131-11DMS Client ID: MW15D	SampType: MS Batch ID: 31845	TestCode: SM2320_W Units: mg/L CaCO3	/ 03	Prep Date: Analysis Date:	8/22/2007 R 8/22/2007 S	Run ID: SPEC2_070822A SeqNo: 681044	
Analyte		Result PQL	SPK value	SPK Ref Val	LowLimit High	RPD Ref Val %RPD RPDLimit	imit Qual
AINAILLIN, TULAI (AS CAUUD)		0	00.00	00.00	GZT CI 7.06	0	
Sample ID: F1131-11DDUP Client ID: MW15D	SampType: DUP Batch ID: 31845	TestCode: SM2320_W Units: mg/L CaCO3	1	Prep Date: Analysis Date:	8/22/2007 R 8/22/2007 S	Run ID: SPEC2_070822A SeqNo: 681043	
Analyte		ult PC	SPK value	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val %RPD RPDLimit	imit Qual
Alkalinity, Total (As CaCO3)		79.00 20	0	0	0	80.00 1.26 2	20
Qualifiers: ND - Not De	ND - Not Detected at the Reporting Limit		S - Spike Recovery outside accepted recovery limits	le accepted recovery l		B - Analyte detected in the associated Method Blank	ethod Blank

R - RPD outside accepted recovery limits

J - Analyte detected below quantitation limits

CLIENT: Earth Tech Work Order: F1131						ANALYTIC	ANALYTICAL QC SUMMARY REPORT	MARY REPO	RT
						TestCode:		SM4500_TKN_W	
Sample ID: <b>MB-31761</b> Client ID: <b>MB-31761</b>	SampType: MBLK Batch ID: 31761	TestCode Units	TestCode: SM4500_TKN_W Units: mg/L		Prep Date: 8/17/2007 Analysis Date: 8/17/2007	8/17/2007 8/17/2007	Run ID: SPEC2_070820A SeqNo: 680287	20A	
Analyte TKN-N		Result ND	PQL 0.20	SPK value	SPK Ref Val	%REC LowLimit HighLimit	nit RPD Ref Val	%RPD RPDLimit	Qual
Sample ID: LCS-31761 Client ID: LCS-31761	SampType: LCS Batch ID: 31761	TestCode Units	TestCode: SM4500_TKN_W Units: mg/L		Prep Date: 8/17/2007 Analysis Date: 8/17/2007	8/17/2007 8/17/2007	Run ID: SPEC2_070820A SeqNo: 680288	20A	
Analyte TKN-N		Result 0.7620	<b>Ραι</b> 0.20	SPK value 0.7160	SPK Ref Val 0	%REC         LowLimit HighLimit           106         80         120	nit RPD Ref Val	%RPD RPDLimit	Qual
Sample ID: F1131-01GMS Client ID: MW8D	SampType: MS Batch ID: 31761	TestCode Units	TestCode: SM4500_TKN_W Units: mg/L		Prep Date: 8/17/2007 Analysis Date: 8/17/2007	8/17/2007 8/17/2007	Run ID: SPEC2_070820A SeqNo: 680302	20A	
Analyte TKN-N		Result 2.384	<b>Ραι</b> 0.20	SPK value 1.600	SPK Ref Val 0.6240	%REC LowLimit HighLimit 110 75 125	nit RPD Ref Val	%RPD RPDLimit	Qual
Sample ID: F1131-01GDUP Client ID: MW8D	SampType: DUP Batch ID: 31761	TestCode Units	TestCode: SM4500_TKN_W Units: mg/L		Prep Date: 8/17/2007 Analysis Date: 8/17/2007	8/17/2007 8/17/2007	Run ID: SPEC2_070820A SeqNo: 680301	20A	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit	nit RPD Ref Val	%RPD RPDLimit	Qual
N-NY		0./400	0.20	Ð	0	0	0.6240	17 20	
						٠			

B - Analyte detected in the associated Method Blank S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

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

Qualifiers:

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# Last Page of Data Report