

REMEDIAL SYSTEM OPTIMIZATION REPORT

Korkay, Inc. Site
Site 5-18-014

Work Assignment No.
D004445-20

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New York State
Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Prepared by:



Earth Tech, Inc.
40 British American Blvd.
Latham, New York 12110

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List of Acronyms

AS	Air Sparging
ASW	Air Sparging Well
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
COC	Contaminant of Concern
CFC	Chain of Custody
CVOC	Chlorinated Volatile Organic Compounds
DCE	1,2- dichloroethene
EBAC	Eubacteria
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 Monooxygenase
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 contamination. Samples collected from Area 5, the property to the west of the Site, were not reported to contain contaminants in concentrations exceeding 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 deed 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:

<u>Sample Port ID/ Location</u>	<u>No. Of Samples</u>	<u>Frequency</u>	<u>Analyses</u>
<u>Vapor Extraction System</u>			
1) Primary carbon unit influent	1	monthly 2/ month (middle & end)	NIOSH 1501 Total VOCs w/ OVM meter
2) Primary carbon unit effluent	1	monthly 2/ month (middle & end)	NIOSH 1501 Total VOCs w/ OVM meter
3) Secondary carbon unit effluent (system discharge)	1	2/month	Total VOCs w/ OVM meter
4) Individual well streams (VEW-1 – VEW -4)	4	weekly	Total VOCs w/ OVM meter
<u>Groundwater Withdrawal System</u>			
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 (OVN) 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 through 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 operational in 2001. The last periodic review available (January 29, 2003) stated that the SVE/AS system was 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 (eubacteria), 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 µg/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 µg/L in August 1998 and then dropped below 1,000 µg/L in the September 2002. The 2007 sample data showed that VEW-1 and ASW have rebounded to above 1,500 µg/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 µg/L) along with similar concentrations in

the downgradient well MW 8-S (338 µg/L). A comparison of total BTEX concentration extending along a groundwater flow path from MW 15-S through 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 µg/L. Downgradient MW 8-S initially showed a significant increase between 1993 and 1994 followed by a 68 percent reduction to 338 µg/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 µg/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 µg/L to 7 µg/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 µg/L in wells VEW-1, VEW-2 and ASW, still much higher than the SCG of 5 µg/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-dichloroethene). The only SVOCs detected in the groundwater above SCGs were naphthalene and 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 exceedances 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 $6.3\text{E}+04$ to $6.6\text{E}+06$; 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, action-specific, 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 25-ft 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 longer 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 be 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 transportation 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 µg/L, and total VOC concentrations in the 2008 sampling results were reported to be 8641 µg/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 naphthalene 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 µg/L) had decreased by over 90 percent from pre-remediation concentrations (between 2,500 and 8,000 µg/L). However, the latest concentrations from these wells measured in 2008, show a rebound in VEW-1 and ASW to levels above 1,500 µg/L.

The concentration of TVOCs in the downgradient, off-site monitoring well MW 8-S has decreased by approximately 70 percent from 1,100 µg/L as measured during the Phase II RI (1994) to 350 µg/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 µg/L) to reach SCGs (5 µg/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

Contaminant	Groundwater SCG (ug/L)	
	From ROD ¹	Used in RSO ²
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 I	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

Contaminant	Soil SCG (mg/kg)	
	From ROD¹	Used in RSO²
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

Sample Depth	SCG	ASW			VEW-1			VEW-2		
		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										
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

Sample Depth	SCG	VEW-3			VEW-3/4			VEW-4		
		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	VEW-3/4	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

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

	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
sec-Butylbenzene	5	28	ND	6	ND	5	ND	ND	22	17	ND	4	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	2	ND
Tetrachloroethene	5	ND	ND	2	ND	2	ND	ND	ND	2	ND	1	ND
Toluene	5	19	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)													
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
Manganese	600	2080	2.3	550	20.3	144	10.6	4.4	765	499	550	351	843
Wet Chemistry (mg/L)													
Chloride	250,000	2.6	2.1	ND	ND	13	ND	41	38	ND	ND	3.1	5.6
Total Organic Carbon	NS	49	ND	21.0	ND	13	ND	ND	17	35	28	34	87
Alkalinity (Total)	NS	250	300	180	160	80	80	62	230	160	240	370	410
TKN-Nitrogen	NS	3.1	2.3	2.4	1.1	3.5	0.69	0.62	1.7	11	3.6	2.0	12

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	Extension
CAPITAL COSTS					
<i>Subcontractor Costs</i>					
	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
ANNUAL O&M COSTS					
<i>Annual Groundwater Monitoring (11 Wells)</i>					
	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
OTHER COSTS					
	Five Year Review	1	\$ 12,500	LS	\$ 12,500
	Total Other Costs				\$12,500
PRESENT WORTH CALCULATIONS					
	Total Capital Costs				\$ 35,100
	Annual O&M Costs (30 year duration)				\$ 313,600
	Five Year Review Costs (at every 5 years over 30 year period)				\$ 54,400
	Total Present Worth				\$ 403,100
COST TO IMPLEMENT REMEDIAL ACTION ALTERNATIVE				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
CAPITAL COSTS					
<i>Subcontractor Costs</i>					
	Site Preparation/Treatment System Mobilization	1	\$ 15,000	LS	\$ 15,000
	Source Area Delineation	1	\$ 7,500	LS	\$ 10,000
	Extraction Well Installation	6	\$ 1,000	EA	\$ 6,000
	Injection Well Installation	18	\$ 1,200	EA	\$ 21,600
	Above Grade Piping	600	\$ 7.50	LF	\$ 4,500
	Treatment System Upgrade	1	\$ 7,500	LS	\$ 7,500
	Electrical Hookup	1	\$ 2,500	LS	\$ 2,500
	Initial Sampling Event: Geoprobe	2	\$ 1,500	DAYS	\$ 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				\$ 15,375
	20% Contingency				\$ 20,500
	TOTAL CAPITAL COSTS				\$ 138,375
ANNUAL O&M COSTS					
<i>Annual Groundwater Monitoring (11 Wells)</i>					
	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
<i>System Operations and Maintenance</i>					
	O&M Labor	12	\$ 480	month	\$ 5,760
	Replacement parts (injection gases, equipment)	12	\$ 200	month	\$ 2,400
	Confirmatory Soil Samples/Equipment	8	\$ 500	year	\$ 4,000
	Electrical costs	12	\$ 400	month	\$ 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				\$12,500
PRESENT WORTH OF COSTS					
	Total Capital Costs				\$ 138,400
	Annual O&M Costs (Long term monitoring for 10 years)				\$ 281,200
	Five Year Review Costs (at 5 and 10 year marks)				\$ 23,400
	TOTAL PRESENT WORTH				\$ 443,000
COST TO IMPLEMENT REMEDIAL ACTION ALTERNATIVE					Assume: \$ 443,000

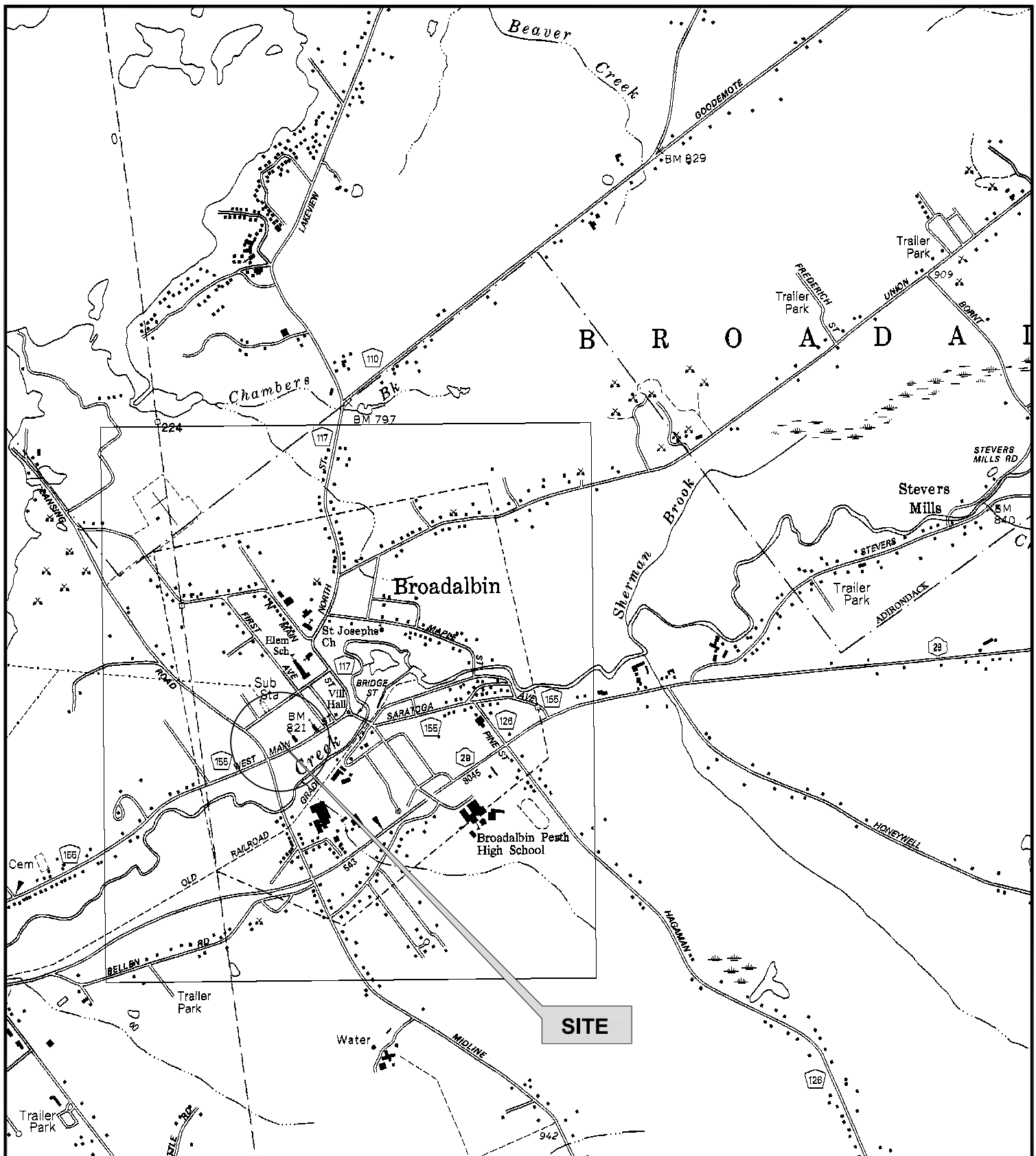
Table 4-3
Alternative 4: Excavation and Removal - Cost Estimate Summary
Korkay Site, Inc
Broadalbin, New York

Item	Item Description	Quantity	Unit Cost	Unit	Extension
CAPITAL COSTS					
<i>Subcontractor Costs</i>					
Site Work					
	Site Preparation	1	\$ 10,000	LS	\$ 10,000
	Source Area Delineation	1	\$ 7,500	LS	\$ 10,000
	Water Disposal	60,000	\$ 0.40	GAL	\$ 24,000
	Excavation	1,600	\$ 6.50	CY	\$ 10,400
	Clean Backfill	1,600	\$ 15	CY	\$ 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 Disposal					
	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
ANNUAL O&M COSTS					
<i>Annual Groundwater Monitoring (11 Wells)</i>					
	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 (Long-term monitoring)					\$ 16,000
OTHER COSTS					
	Five Year Review	1	\$ 12,500	LS	\$ 12,500
Total Other Costs					\$ 12,500
PRESENT WORTH OF COSTS					
	Total Capital Costs				\$ 239,400
	Annual O&M Costs (Long term monitoring for 10 years)				\$ 136,500
	Five Year Review Costs (at 5 and 10 year marks)				\$ 23,400
TOTAL PRESENT WORTH					\$ 399,300
COST TO IMPLEMENT REMEDIAL ACTION ALTERNATIVE					Assume: \$ 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



MAP REFERENCE: NYSDOT 7.5 MIN. QUADRANGLE
BROADALBIN SERIES

PLAN

EarthTech
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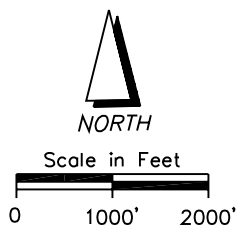
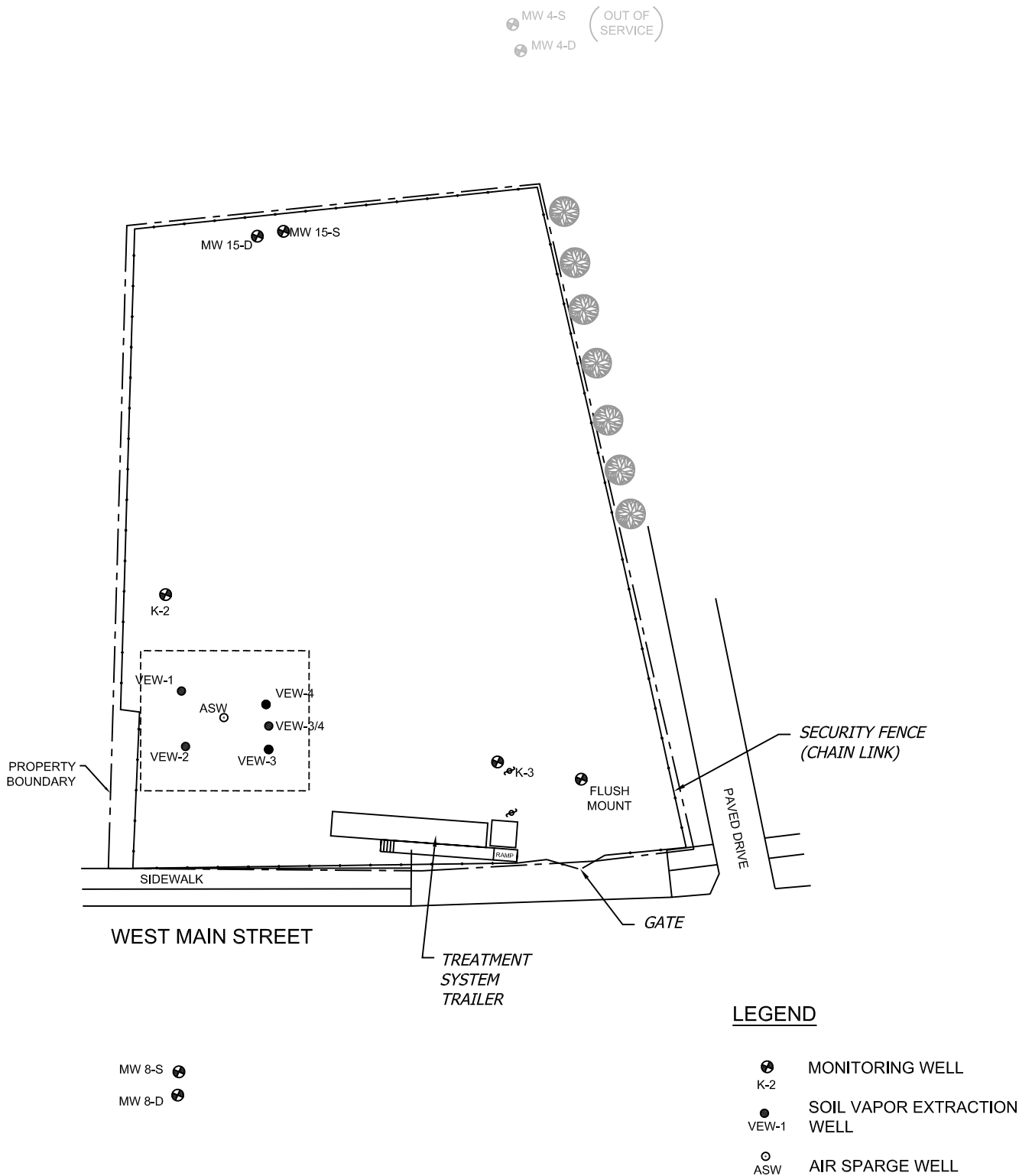


FIGURE 1-1
SITE LOCATION PLAN
NYSDEC SITE ID: 5-18-014
KORKAY INC.
70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: FEBRUARY, 2008

PROJECT NO.: 99165



PLAN

GENERAL MAPPING REFERENCE, MAPPING SHOWN COMPILED FROM THE FOLLOWING :

1. PLAN TITLED "EXISTING SITE PLAN" FIGURE 1-2.
2. PLAN TITLED "TREATMENT SYSTEM LAYOUT AND PRE-STARTUP SOIL BORING LOCATIONS" SITE LAYOUT, FIGURE 4-1, BY CAMP DRESSER & McKEE.
3. SUB-METER GPS SURVEY PERFORMED BY EARTH TECH, NOVEMBER 2007.

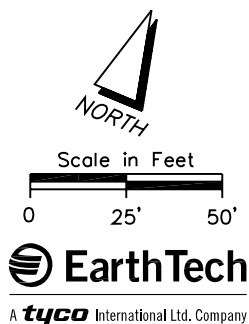
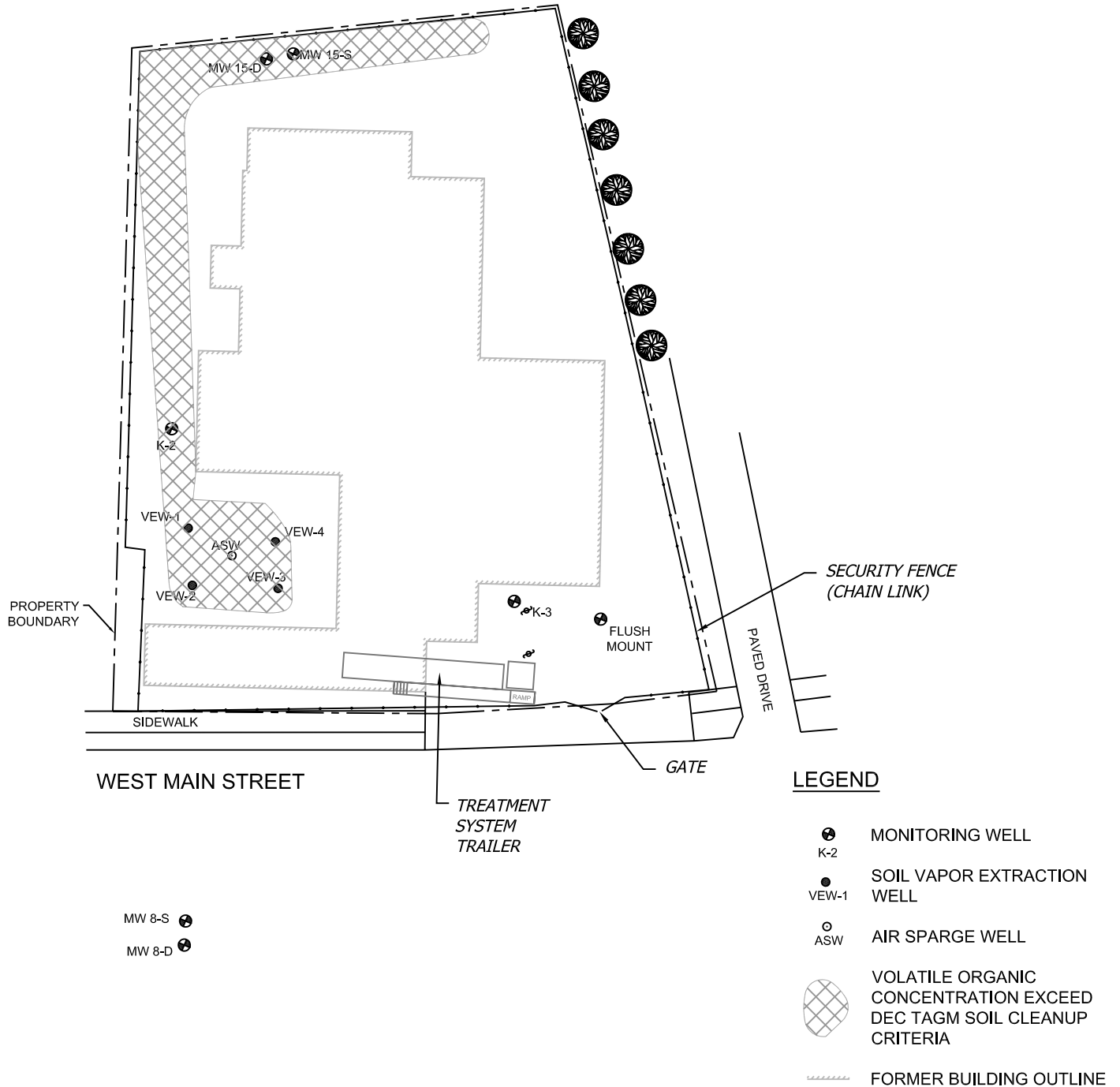


FIGURE 1-2
 SITE LAYOUT PLAN
 NYSDEC SITE ID: 5-18-014
KORKAY INC.
 70 WEST MAIN STREET
 BROADALBIN, NEW YORK

DATE: DECEMBER 2007

PROJECT NO.: 99165

MW 4-S (OUT OF SERVICE)
MW 4-D



NOTE:
FOR GENERAL MAP REFERENCE INFORMATION SEE
FIGURE 1-2 "SITE LAYOUT".

AREAL EXTENT OF VOC IMPACTED SOILS FROM A
PLAN TITLED "FIGURE 6-1, AREAL EXTENT OF VOC
SOIL CONTAMINATION EXCEEDING CRITERIA", BY
CDM ENVIRONMENTAL ENGINEERS.

EarthTech
A tyco International Ltd. Company

PLAN



Scale in Feet

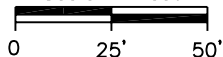


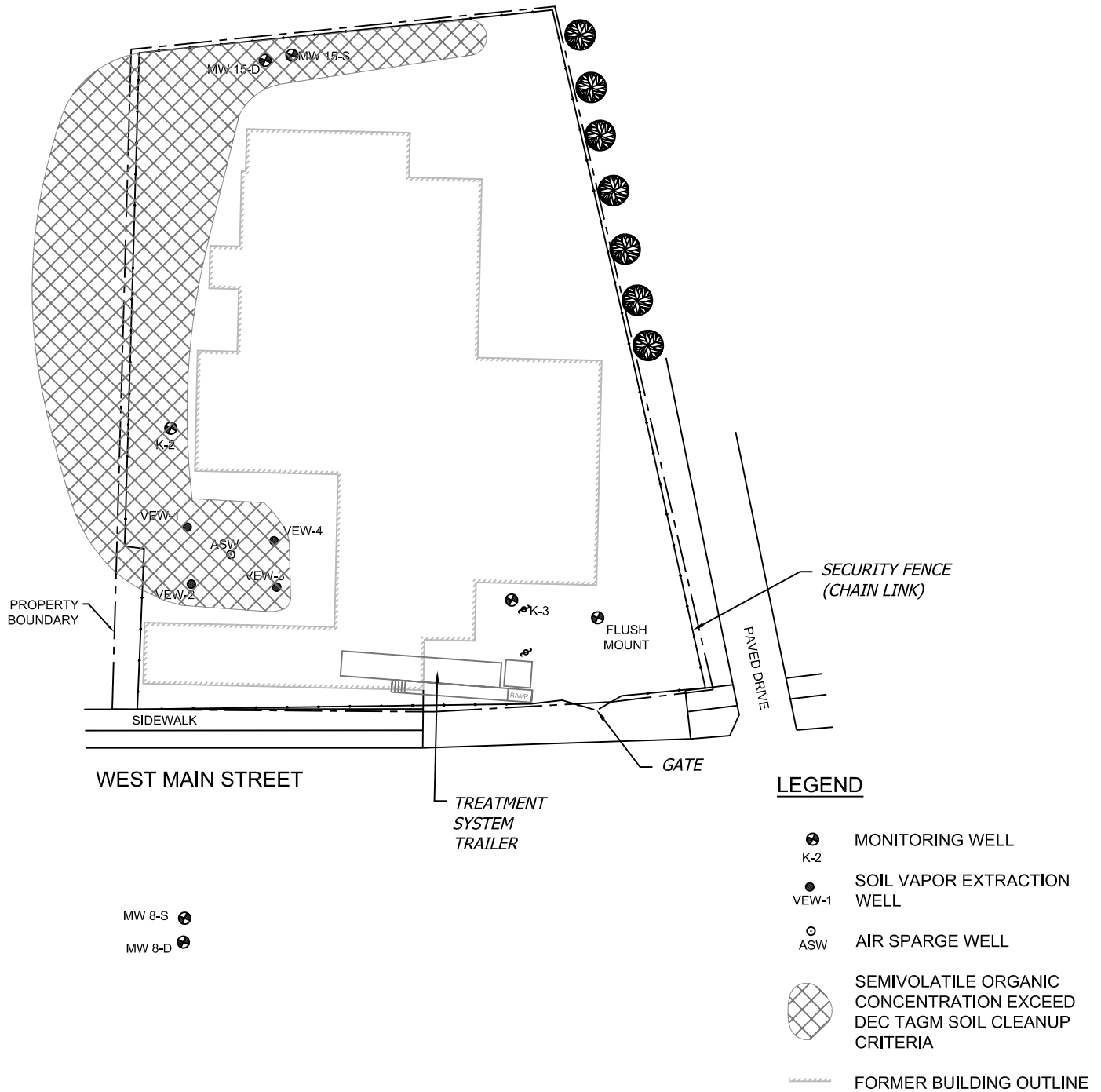
FIGURE 2-1
EXTENT OF HISTORICAL VOC CONTAMINATION
NYSDEC SITE ID: 5-18-014

KORKAY INC.
70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: MARCH 2008

PROJECT NO.: 99165

MW 4-S (OUT OF SERVICE)
MW 4-D



NOTE:
FOR GENERAL MAP REFERENCE INFORMATION
SEE FIGURE 1-2 "SITE LAYOUT".

AREAL EXTENT OF SVOC IMPACTED SOILS FROM
A PLAN TITLED "FIGURE 6-2, AREAL EXTENT OF
SVOC SOIL CONTAMINATION EXCEEDING
CRITERIA", BY CDM ENVIRONMENTAL ENGINEERS.



A tyco International Ltd. Company

PLAN



Scale in Feet

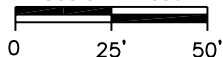
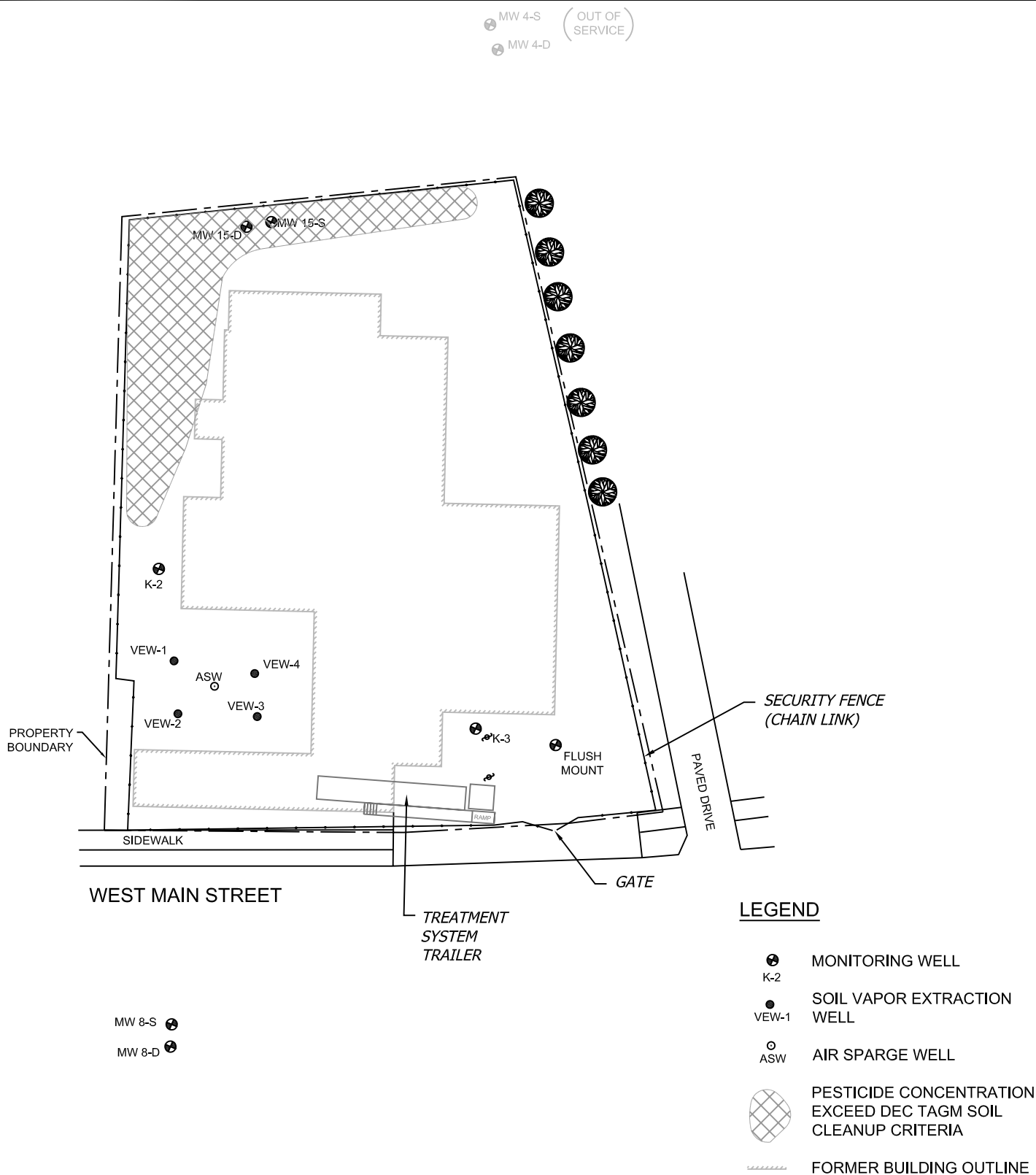


FIGURE 2-2
EXTENT OF HISTORICAL SVOC CONTAMINATION
NYSDEC SITE ID: 5-18-014

KORKAY INC.
70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: MARCH 2008

PROJECT NO.: 99165

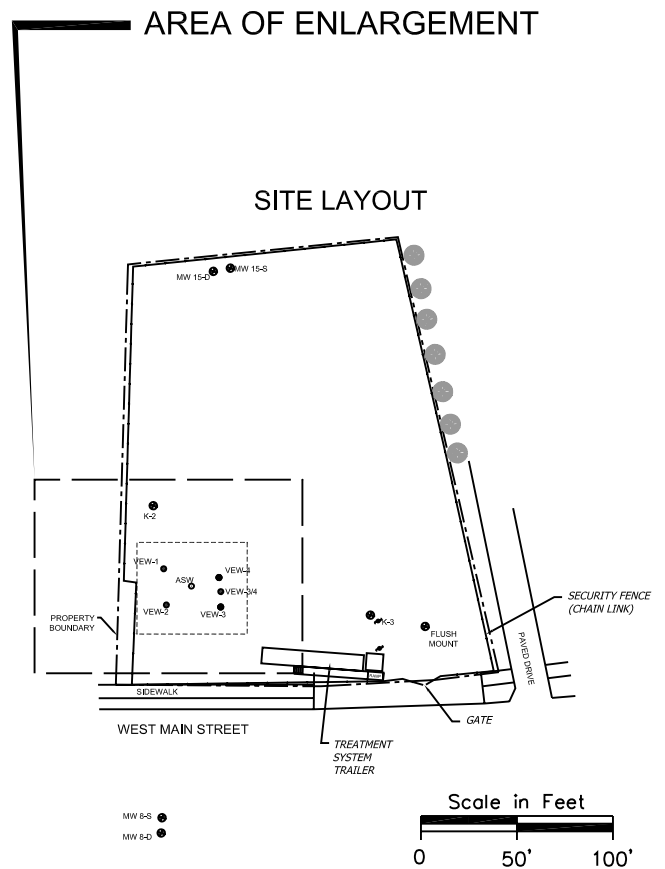
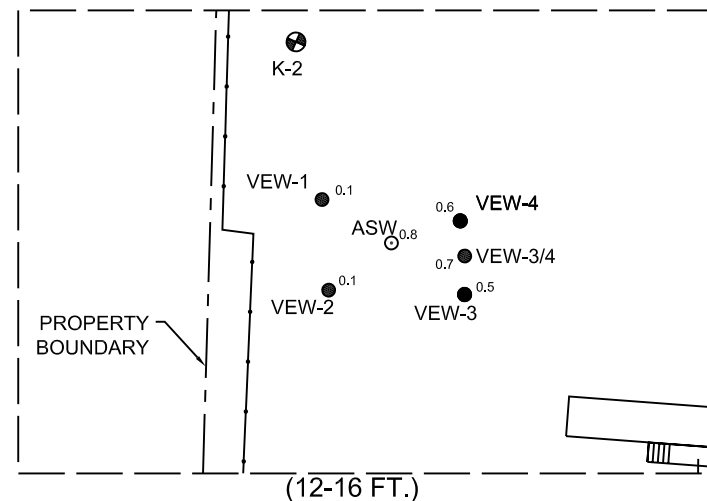
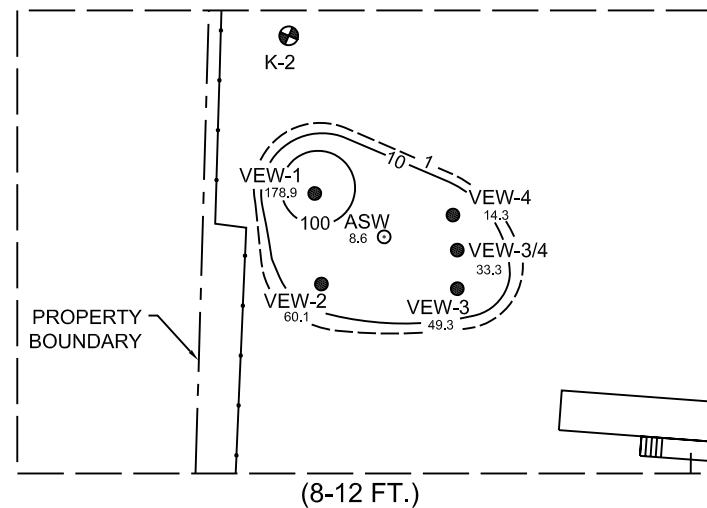
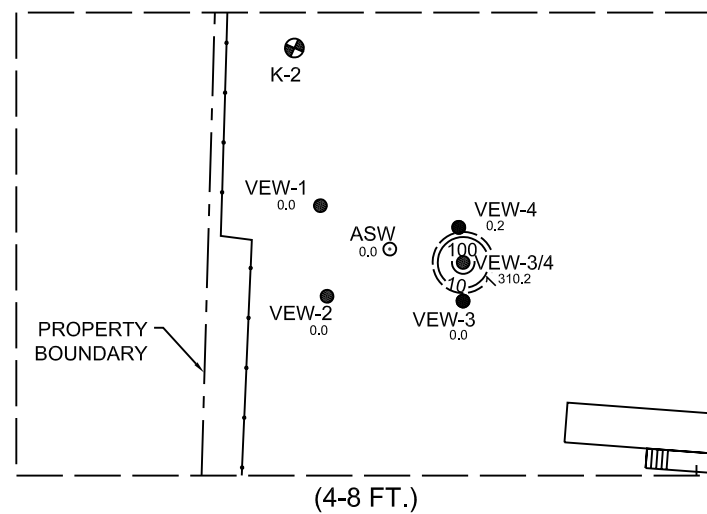


NOTE:
FOR GENERAL MAP REFERENCE INFORMATION
SEE FIGURE 1-2 "SITE LAYOUT".

AREAL EXTENT OF PESTICIDE IMPACTED SOILS
FROM A PLAN TITLED "FIGURE 6-3, AREAL EXTENT
OF PESTICIDE SOIL CONTAMINATION EXCEEDING
CRITERIA", BY CDM ENVIRONMENTAL ENGINEERS.



FIGURE 2-3
EXTENT OF HISTORICAL PESTICIDE
CONTAMINATION
NYSDEC SITE ID: 5-18-014
KORKAY INC.
70 WEST MAIN STREET
BROADALBIN, NEW YORK

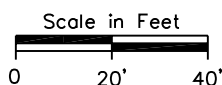


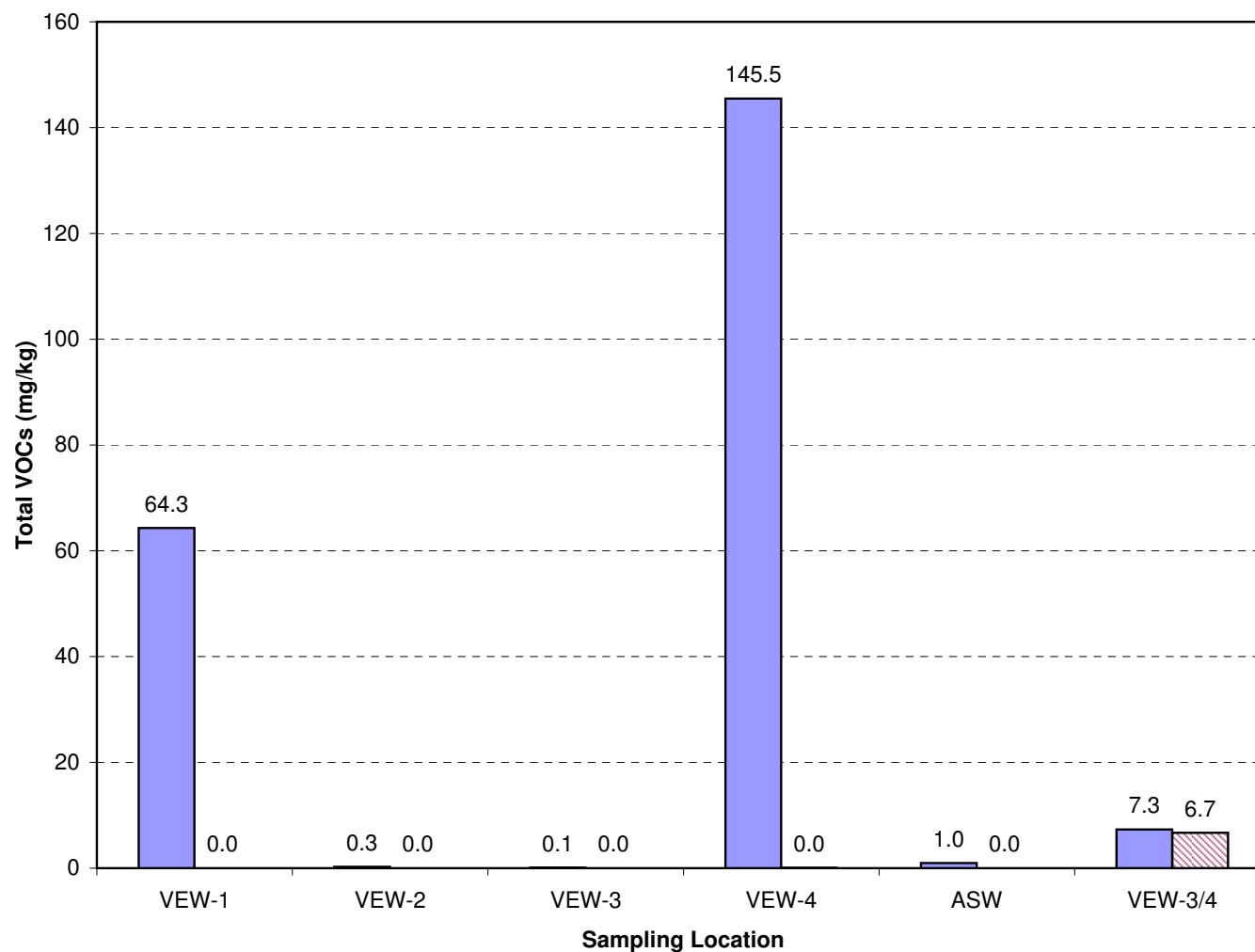
LEGEND

- SOIL VAPOR EXTRACTION WELL WITH REPORTED TOTAL VOCs (mg/kg)
- AIR SPARGE WELL WITH REPORTED TOTAL VOCs (mg/kg)
- 10— TOTAL VOCs CONCENTRATION CONTOUR (DASHED WHERE INFERRED)

NOTE:
FOR MAP REFERENCE INFORMATION SEE
FIGURE 1-2 "SITE LAYOUT".

PLAN





LEGEND

- Pre-Startup
- ▨ Post-Shutdown

NOTES:

- 1) Pre-Start up samples collected in November 1998 from the 6-8-ft interval bgs
- 2) Post-Shutdown samples collected in August 2007 from 4-8-ft interval bgs
- 3) SVE system operated from November 1998 through 2003
- 4) BTEX = benzene, toluene, ethylbenzene and xylene (total)

Figure 3-2

Comparison of Total BTEX in Soil
(4-8-ft Interval)

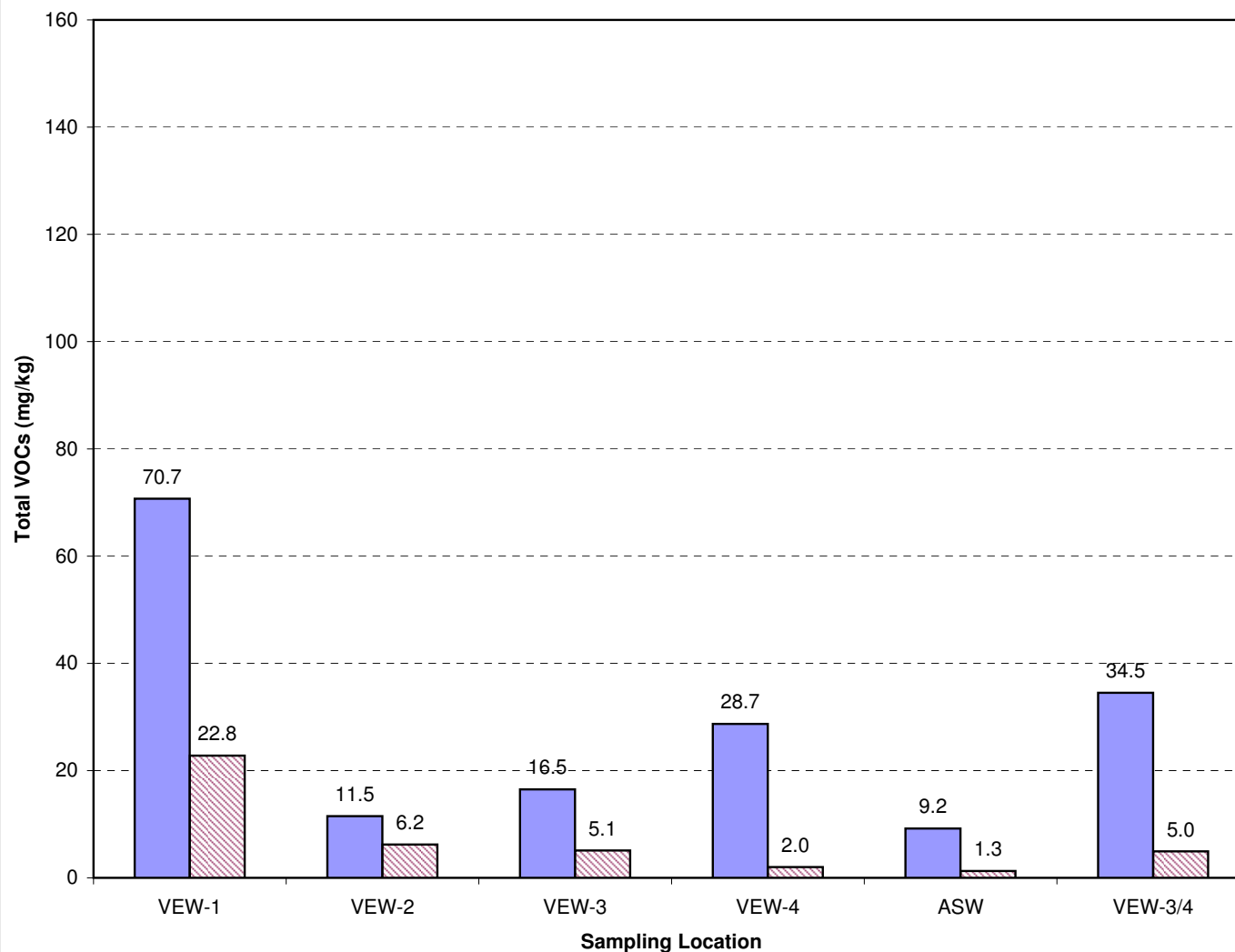
KORKAY, INC. SITE
BROADALBIN, NEW YORK

EARTH TECH | AECOM

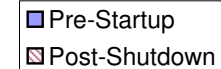


September 2008

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LEGEND



NOTES:

- 1) Pre-Start up samples collected in November 1998 from the 8-10-ft interval bgs
- 2) Post-Shutdown samples collected in August 2007 from 8-12-ft interval bgs
- 3) SVE system operated from November 1998 through 2003
- 4) BTEX = benzene, toluene, ethylbenzene and xylene (total)

Figure 3-3

Comparison of Total BTEX in Soil
(8-12-ft Interval)

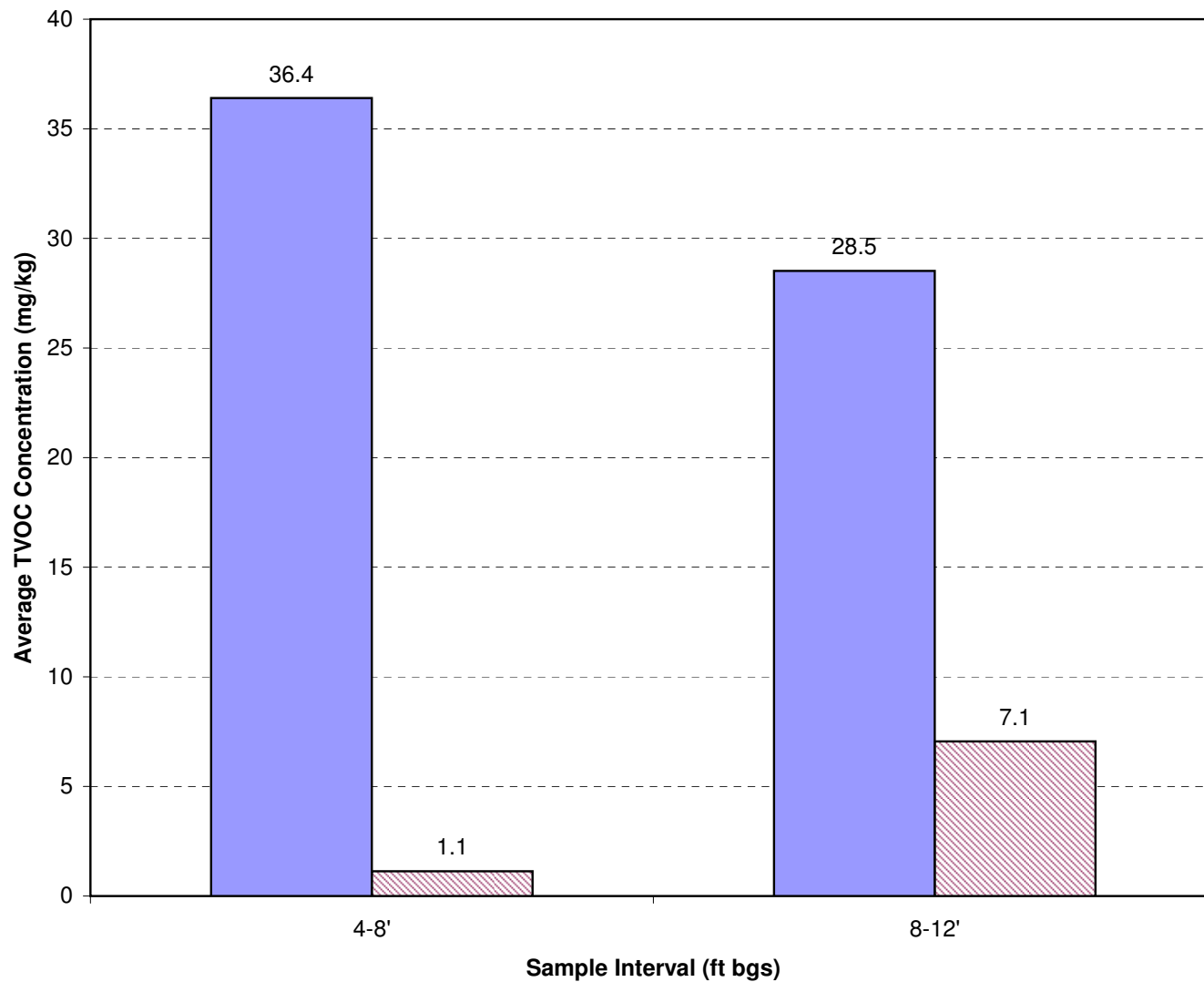
KORKAY, INC. SITE
BROADALBIN, NEW YORK

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September 2008

PROJECT NO.: 99165



LEGEND

- Pre-Startup
- Post-Shutdown

NOTES:

- 1) Pre-Start up samples collected in November 1998
- 2) Post-Shutdown samples collected in August 2007
- 3) SVE system operated from November 1998 through 2003
- 4) BTEX = benzene, toluene, ethylbenzene and xylene (total)
- 5) Average concentrations from sample locations VEW-1, VEW-2, VEW-3, VEW-3/4, VEW-4 and ASW

Figure 3-4

Comparison of Average BTEX
in Soil

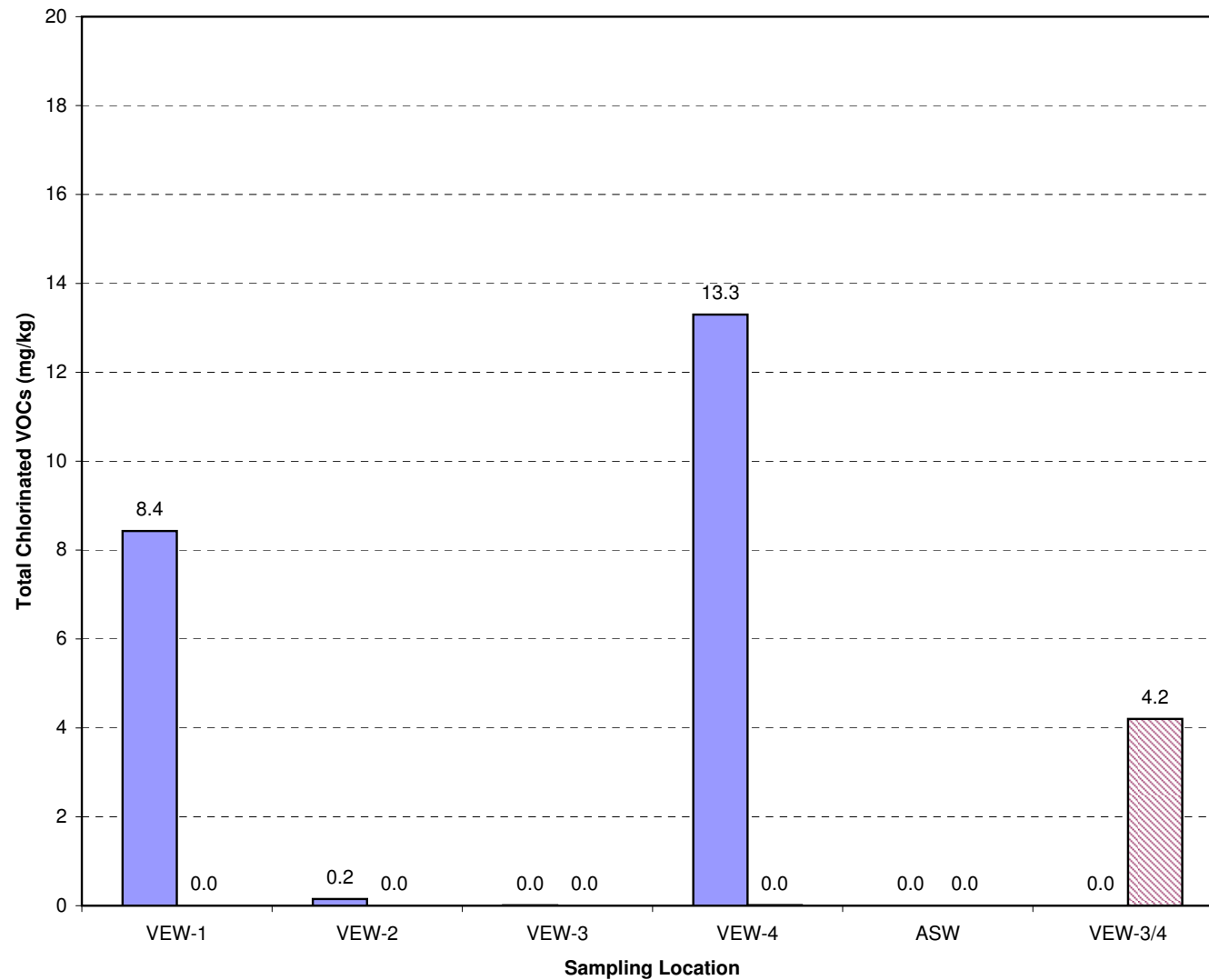
KORKAY, INC. SITE
BROADALBIN, NEW YORK

EARTH TECH | AECOM



September 2008

PROJECT NO.: 99165



LEGEND

- Pre-Startup
- ▨ Post-Shutdown

NOTES:

- 1) Pre-Start up samples collected in November 1998 from the 6-8-ft interval bgs
- 2) Post-Shutdown samples collected in August 2007 from 4-8-ft interval bgs
- 3) SVE system operated from November 1998 through 2003

Figure 3-5

Comparison of Total Chlorinated VOCs in Soil (4-8-ft Interval)

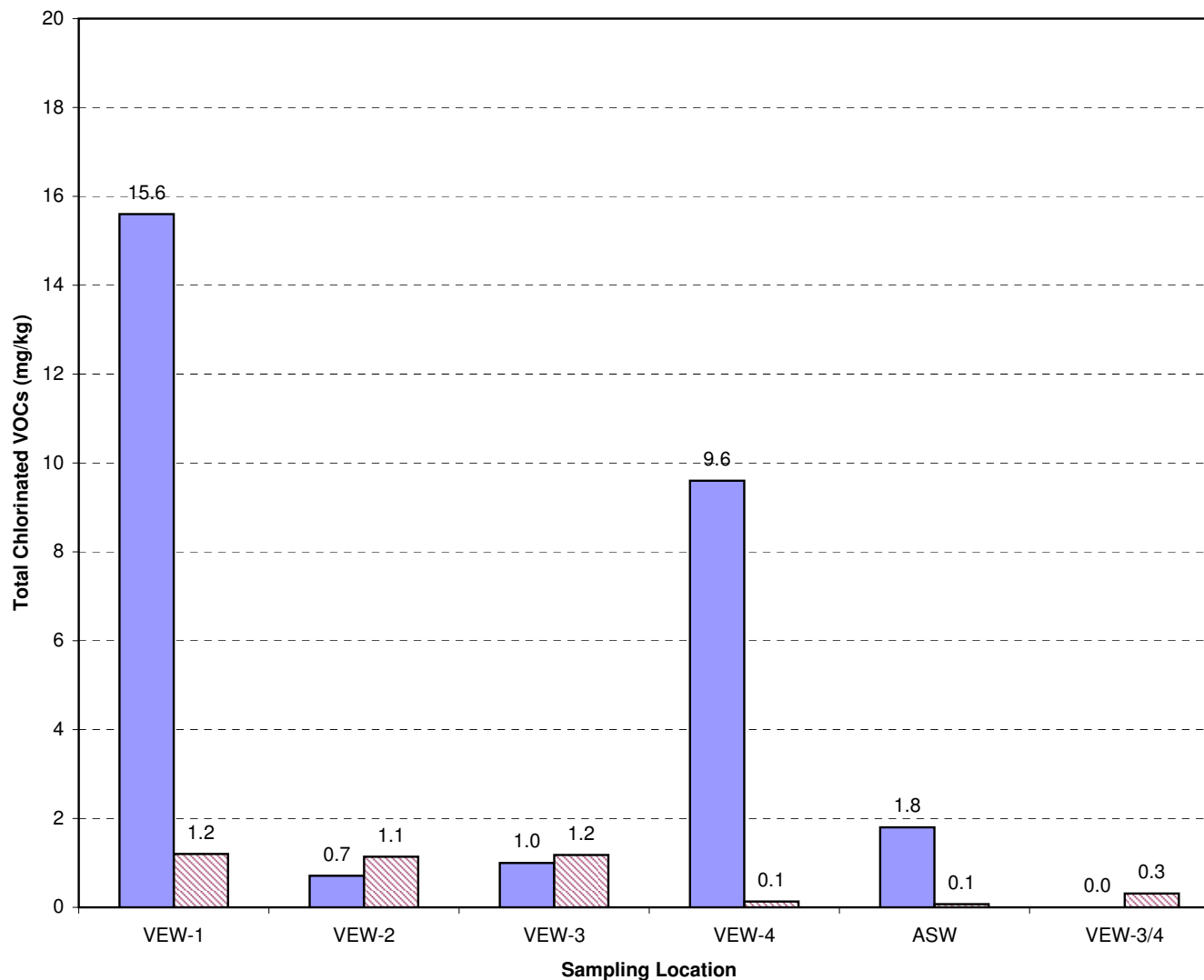
KORKAY, INC. SITE
BROADALBIN, NEW YORK

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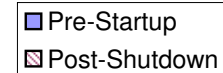


September 2008

PROJECT NO.: 99165



LEGEND



NOTES:

- 1) Pre-Start up samples collected in November 1998 from the 8-10-ft interval bgs
- 2) Post-Shutdown samples collected in August 2007 from 8-12-ft interval bgs
- 3) SVE system operated from November 1998 through 2003

Figure 3-6

Comparison of Total Chlorinated VOCs in Soil (8-12-ft Interval)

KORKAY, INC. SITE
BROADALBIN, NEW YORK

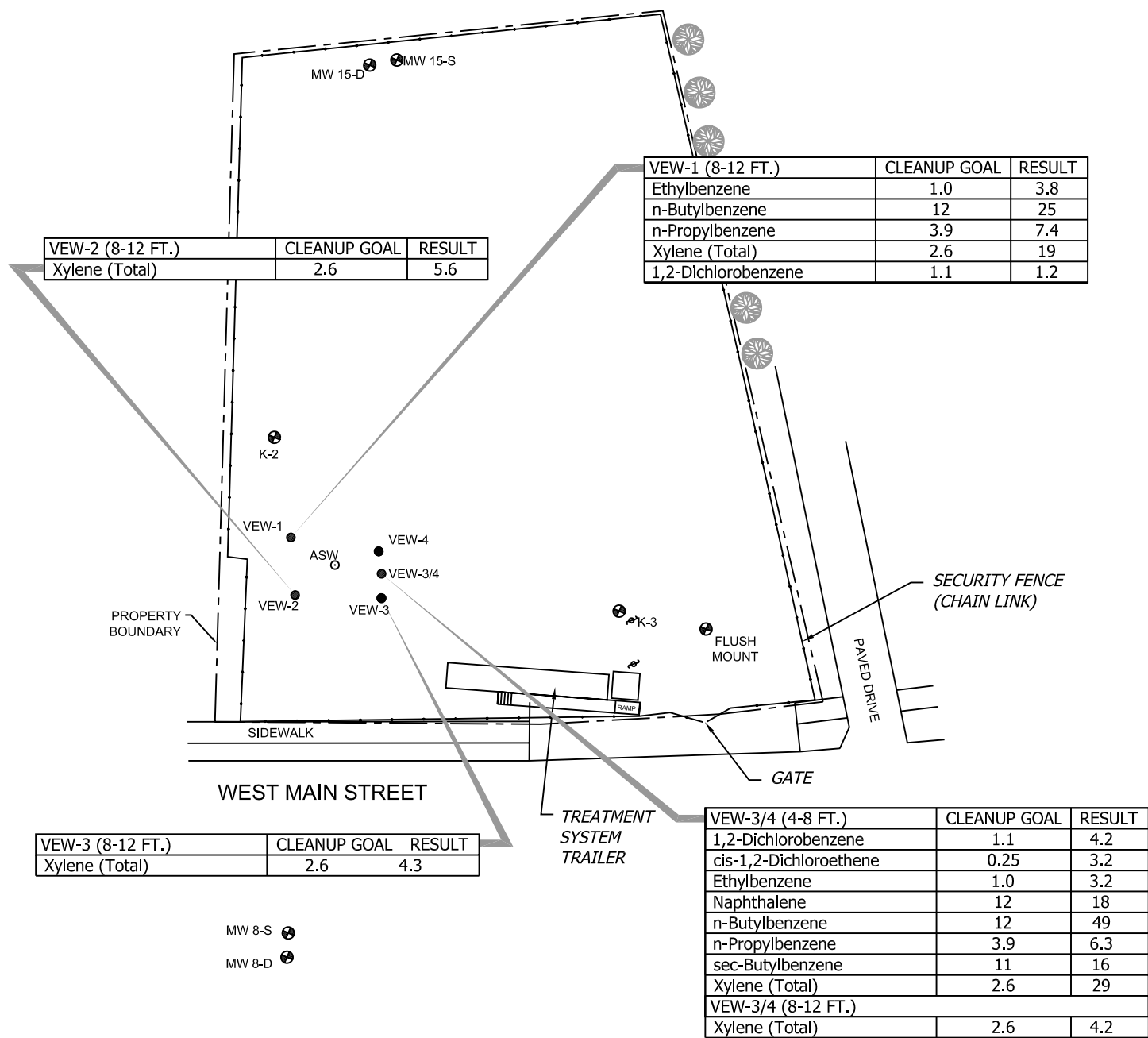
EARTH TECH | AECOM



September 2008

PROJECT NO.: 99165

MW 4-S (OUT OF SERVICE)
MW 4-D



PLAN

LEGEND

- MONITORING WELL
- K-2
- SOIL VAPOR EXTRACTION WELL
- VEW-1
- AIR SPARGE WELL
- ASW

NOTE:
FOR MAP REFERENCE INFORMATION SEE
FIGURE 1-2 "SITE LAYOUT".

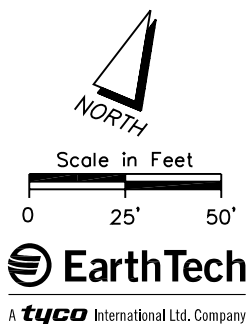
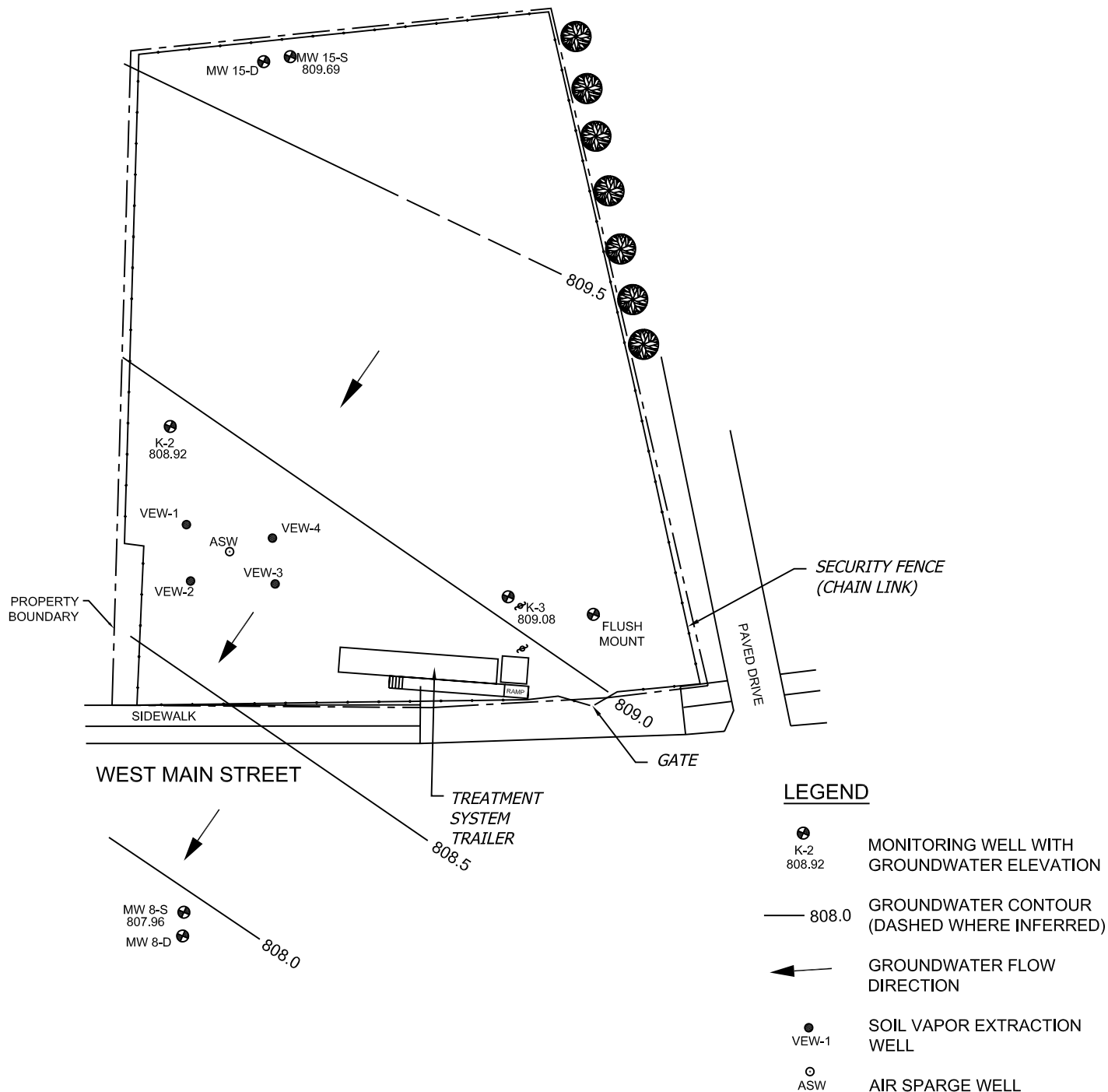


FIGURE 3-7
SOIL SAMPLE CLEANUP GOAL
EXCEEDANCES
NYSDEC SITE ID: 5-18-014
KORKAY INC.
70 WEST MAIN STREET
BROADALBIN, NEW YORK

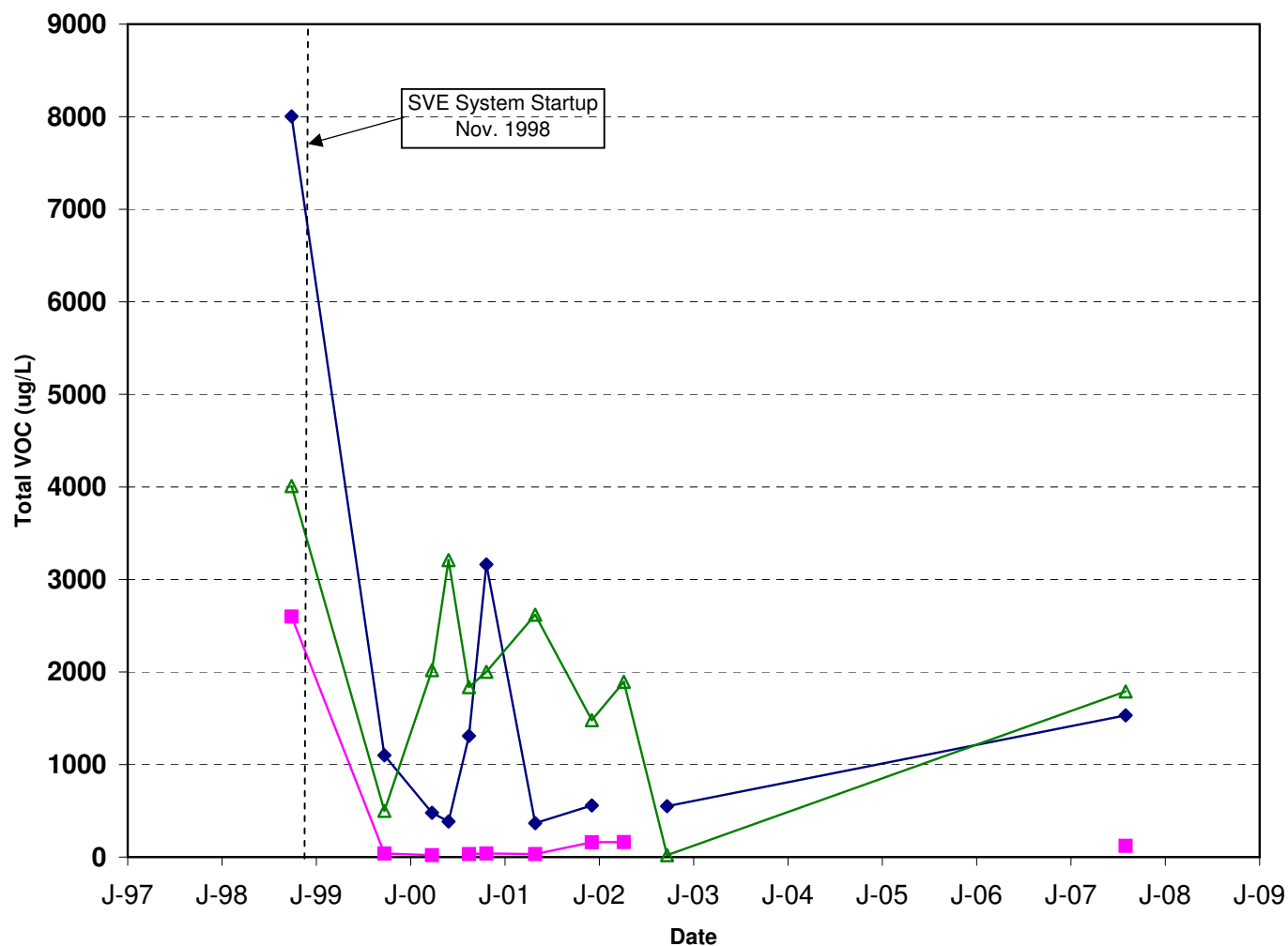
DATE: MARCH 2008

PROJECT NO.: 99165

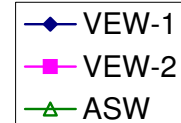
MW 4-S (OUT OF SERVICE)
MW 4-D



NOTE:
FOR MAP REFERENCE INFORMATION SEE
FIGURE 1-2 "SITE LAYOUT".



LEGEND



NOTES:

1) Gaps indicated no sample collected due to insufficient water volume (VEW-1 in 4/02; VEW-2 in 5/00 and 4/02)

2) Samples collected 1998-1999 from Remedial Construction Report (CDM, 2000). Samples collected from 2000-2003 from NYSDEC Period Reviews. Samples from 2007 from Groundwater Sampling Report (Earth Tech, 2007).

3) SVE system operated from November 1998 through 2003.

4) VEW-1, VEW-2 and ASW screened in the upper sandy aquifer (8-12-ft hrs)

Figure 3-10

Total VOCs in Groundwater
(VEW-1, VEW-2 and ASW)

KORKAY, INC. SITE
BROADALBIN, NEW YORK

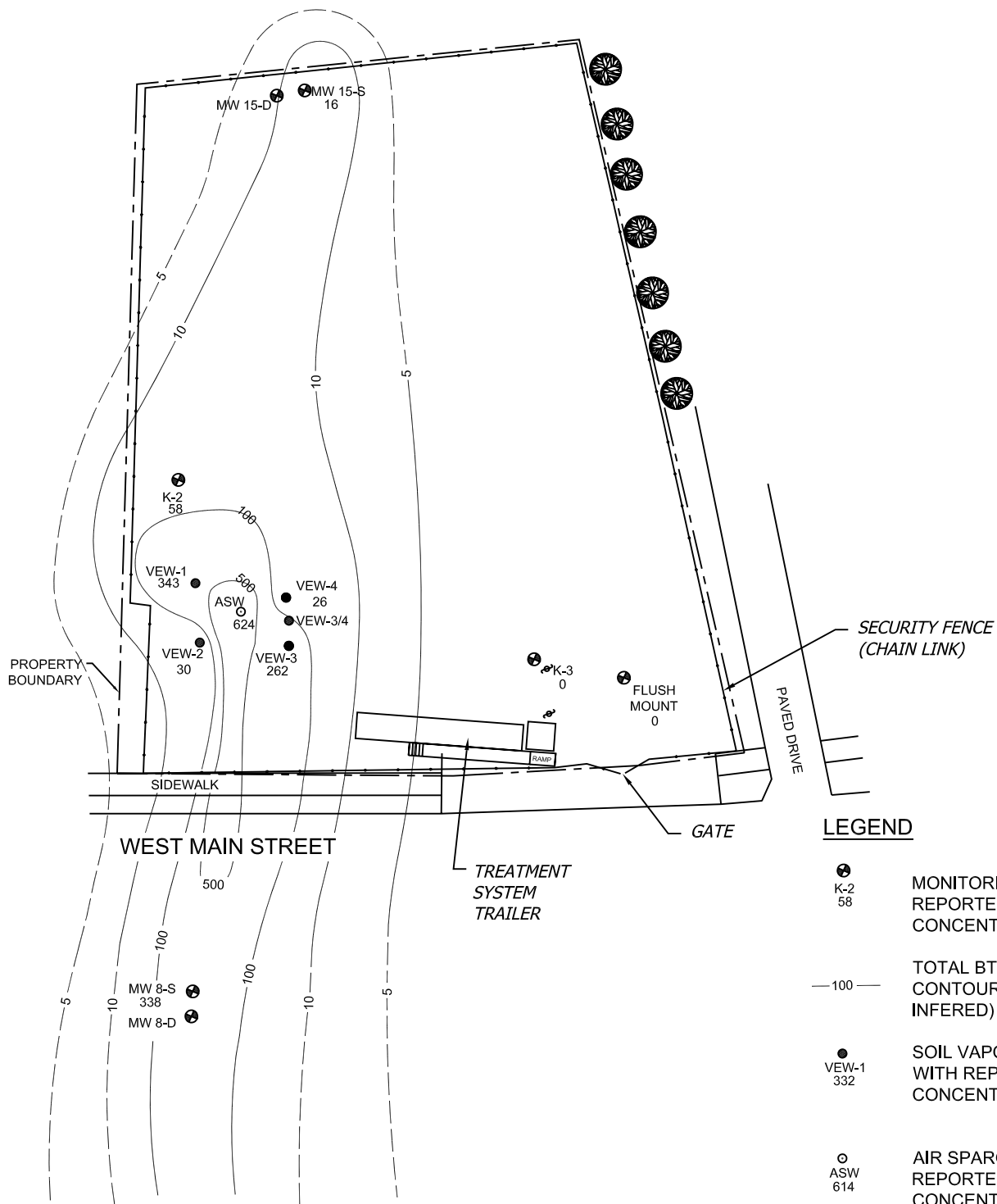
EARTH TECH | AECOM



September 2008

PROJECT NO.: 99165

MW 4-S (OUT OF SERVICE)
MW 4-D

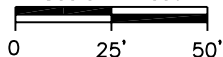


NOTE:
FOR MAP REFERENCE INFORMATION SEE
FIGURE 1-2 "SITE LAYOUT".

PLAN



Scale in Feet



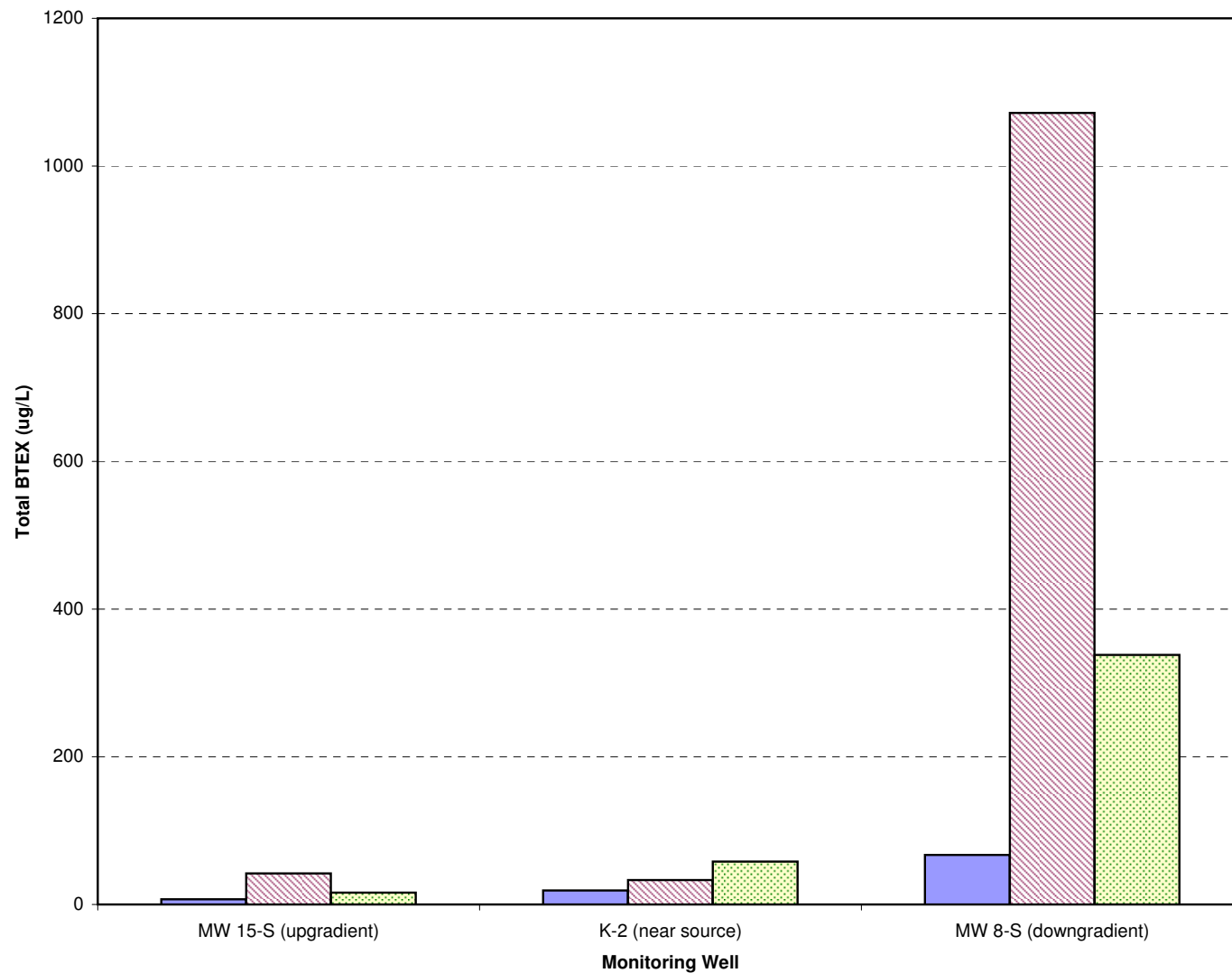
EarthTech

A tyco International Ltd. Company

FIGURE 3-11
TOTAL BTEX
ISOCONCENTRATION MAP - SHALLOW AQUIFER
AUGUST 14, 2007
NYSDEC SITE ID: 5-18-014
KORKAY INC.
70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: MARCH 2008

PROJECT NO.: 99165



LEGEND

- Oct '93 (Phase I RI)
- ▨ Oct '94 (Phase II RI)
- ▤ Aug '07

NOTES:

1) Samples collected during Phase I and Phase II RI from Remedial Investigation Report (CDM, 2000). Samples from 2007 from Groundwater Sampling Report (Earth Tech, 2007).

2) SVE system operated from November 1998 through 2003.

3) MW 15-S (upgradient of source area), K2 (near source area) and MW 8-S (downgradient of source area). All wells screened in the upper sandy aquifer.

Figure 3-12

Total BTEX in Groundwater
(MW 15-S, K-2 and MW 8-S)

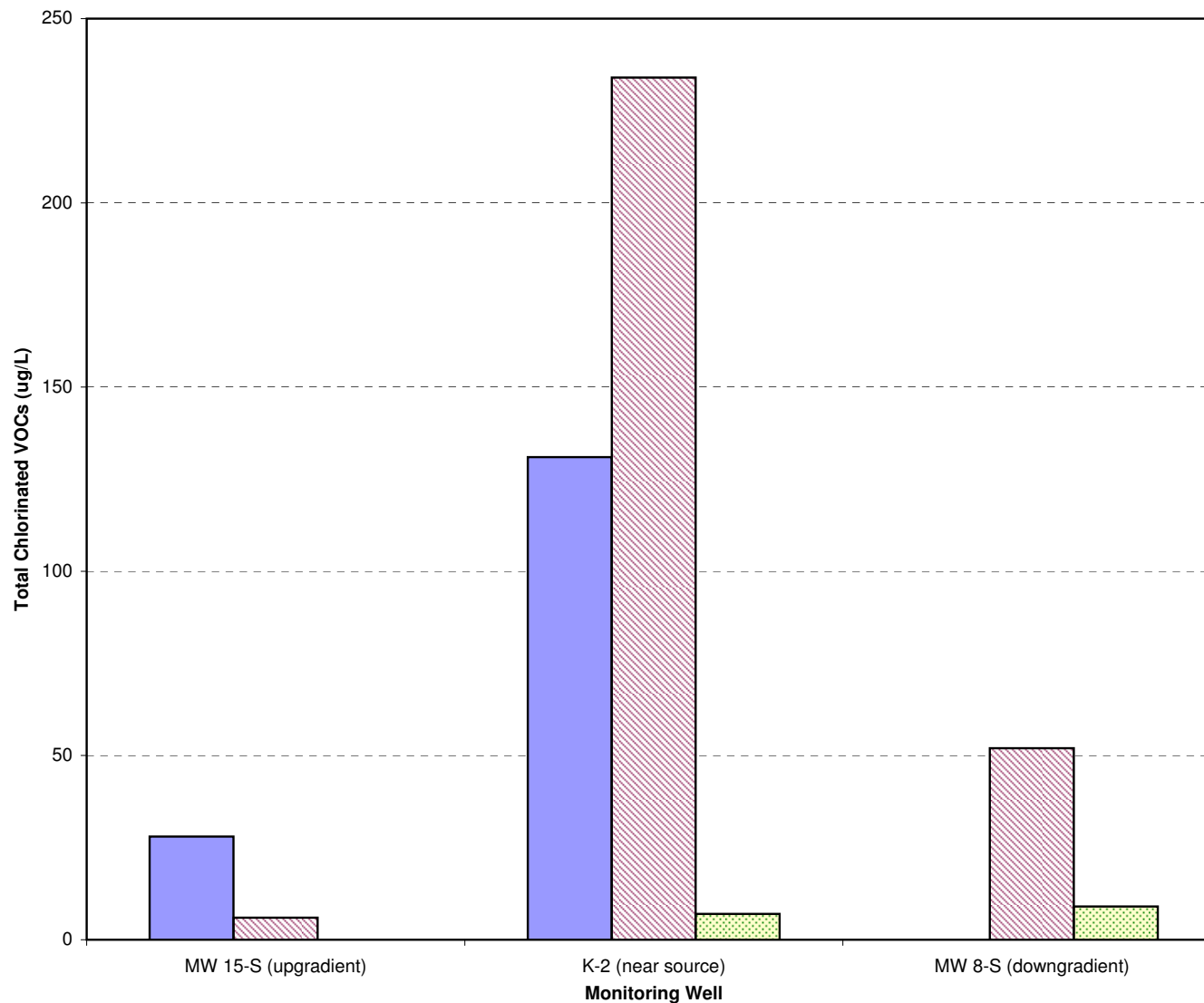
KORKAY, INC. SITE
BROADALBIN, NEW YORK

EARTH TECH | AECOM



September 2008

PROJECT NO.: 99165



LEGEND

- Oct '93 (Phase I RI)
- ▨ Oct '94 (Phase II RI)
- ▤ Aug '07

NOTES:

1) Samples collected during Phase I and Phase II RI from Remedial Investigation Report (CDM, 2000). Samples from 2007 from Groundwater Sampling Report (Earth Tech, 2007).

2) SVE system operated from November 1998 through 2003.

3) MW 15-S (upgradient of source area), K2 (near source area) and MW 8-S (downgradient of source area). All wells screened in the upper sandy aquifer.

Figure 3-14

Total Chlorinated Hydrocarbons in Groundwater (MW 15-S, K-2 and MW 8-S)

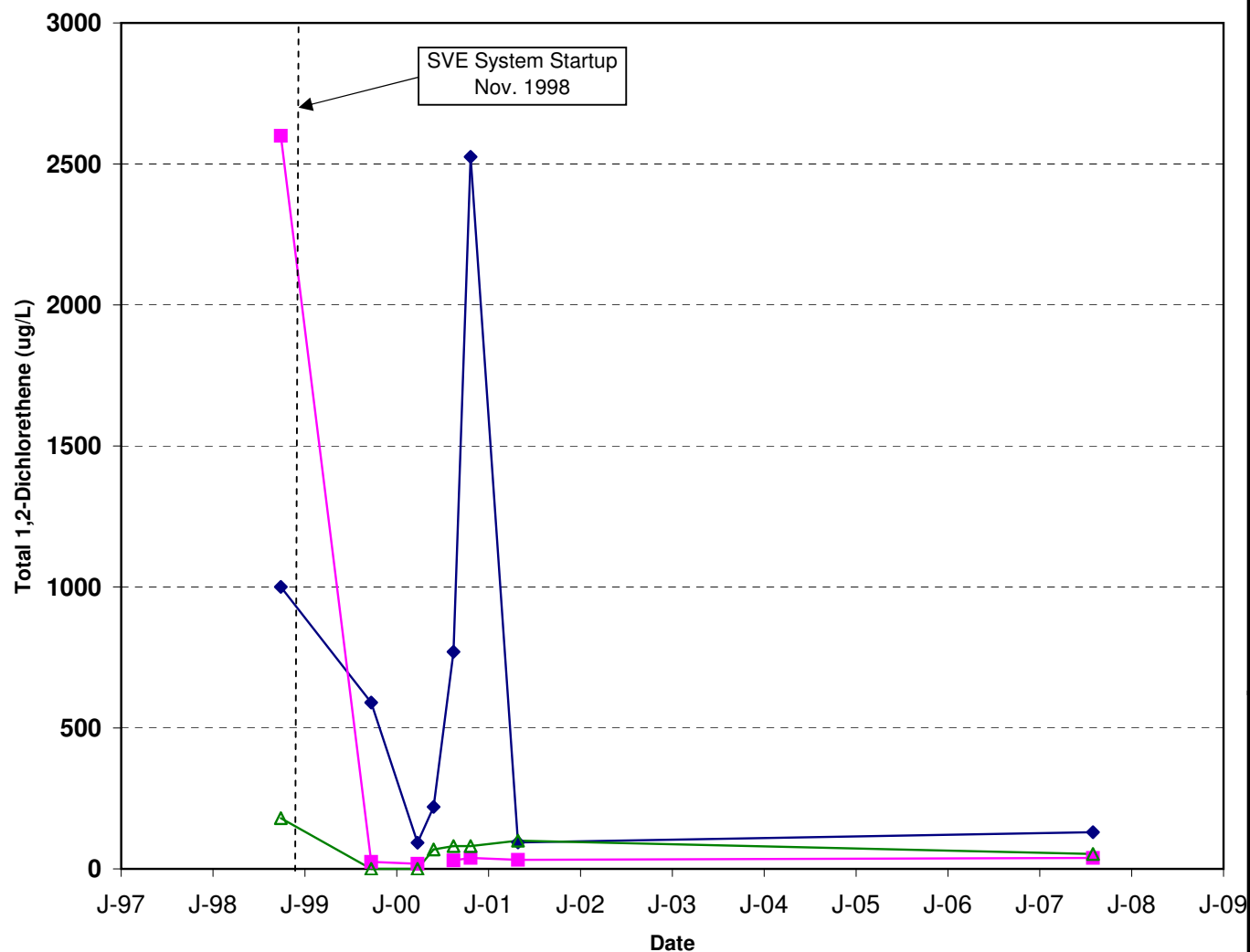
KORKAY, INC. SITE
BROADALBIN, NEW YORK

EARTH TECH | AECOM

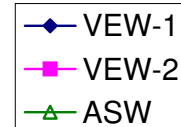


September 2008

PROJECT NO.: 99165



LEGEND



NOTES:

1) DCE = 1,2-dichloroethene (total)

2) Samples collected 1998-1999 from Remedial Construction Report (CDM, 2000). Samples collected from 2000-2003 from NYSDEC Period Reviews. Samples from 2007 from Groundwater Sampling Report (Earth Tech, 2007).

3) SVE system operated from November 1998 through 2003.

4) VEW-1, VEW-2 and ASW screened in the upper sandy aquifer (8-12-ft bgs).

Figure 3-15

Total DCE in Groundwater (VEW-1, VEW-2 and ASW)

KORKAY, INC. SITE
BROADALBIN, NEW YORK

EARTH TECH | AECOM



September 2008

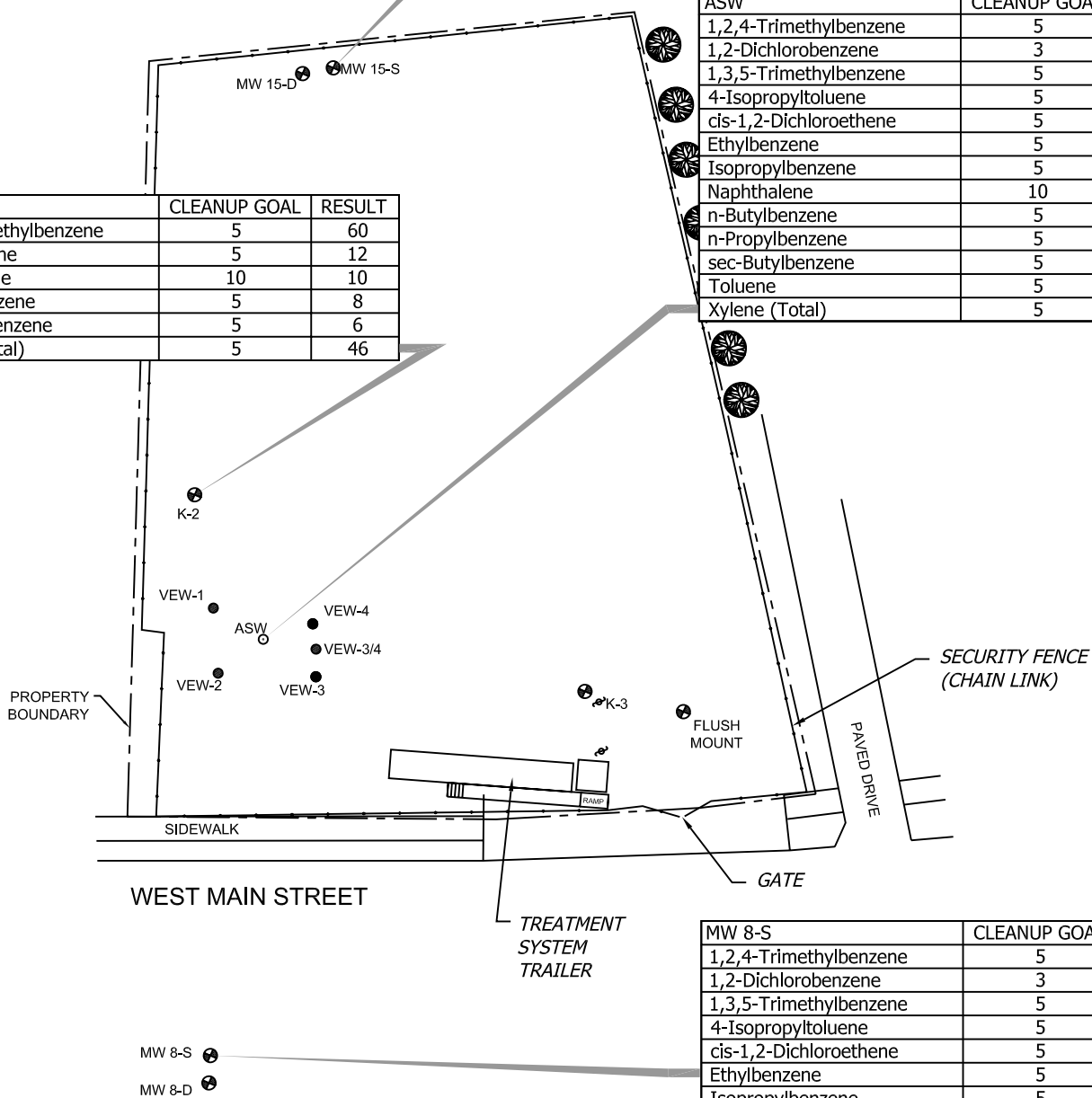
PROJECT NO.: 99165

MW 15-S	CLEANUP GOAL	RESULT
1,2,4-Trimethylbenzene	5	45
1,3,5-Trimethylbenzene	5	36
4-Isopropyltoluene	5	11
n-Butylbenzene	5	8
Toluene	5	13

MW 4-S (OUT OF SERVICE)
MW 4-D

ASW	CLEANUP GOAL	RESULT
1,2,4-Trimethylbenzene	5	130
1,2-Dichlorobenzene	3	24
1,3,5-Trimethylbenzene	5	31
4-Isopropyltoluene	5	39
cis-1,2-Dichloroethene	5	53
Ethylbenzene	5	65
Isopropylbenzene	5	49
Naphthalene	10	130
n-Butylbenzene	5	60
n-Propylbenzene	5	74
sec-Butylbenzene	5	28
Toluene	5	19
Xylene (Total)	5	540

K-2	CLEANUP GOAL	RESULT
1,2,4-Trimethylbenzene	5	60
Ethylbenzene	5	12
Naphthalene	10	10
n-Butylbenzene	5	8
sec-Butylbenzene	5	6
Xylene (Total)	5	46



MW 8-S	CLEANUP GOAL	RESULT
1,2,4-Trimethylbenzene	5	430
1,2-Dichlorobenzene	3	26
1,3,5-Trimethylbenzene	5	97
4-Isopropyltoluene	5	20
cis-1,2-Dichloroethene	5	9
Ethylbenzene	5	57
Isopropylbenzene	5	27
Naphthalene	10	58
n-Butylbenzene	5	45
n-Propylbenzene	5	34
sec-Butylbenzene	5	22
Xylene (Total)	5	280

PLAN

LEGEND

- MONITORING WELL
- K-2
- SOIL VAPOR EXTRACTION WELL
- VEW-1
- AIR SPARGE WELL
- ASW

NOTE:
FOR MAP REFERENCE INFORMATION SEE
FIGURE 1-2 "SITE LAYOUT".

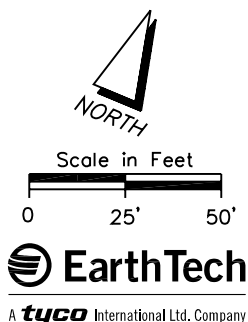
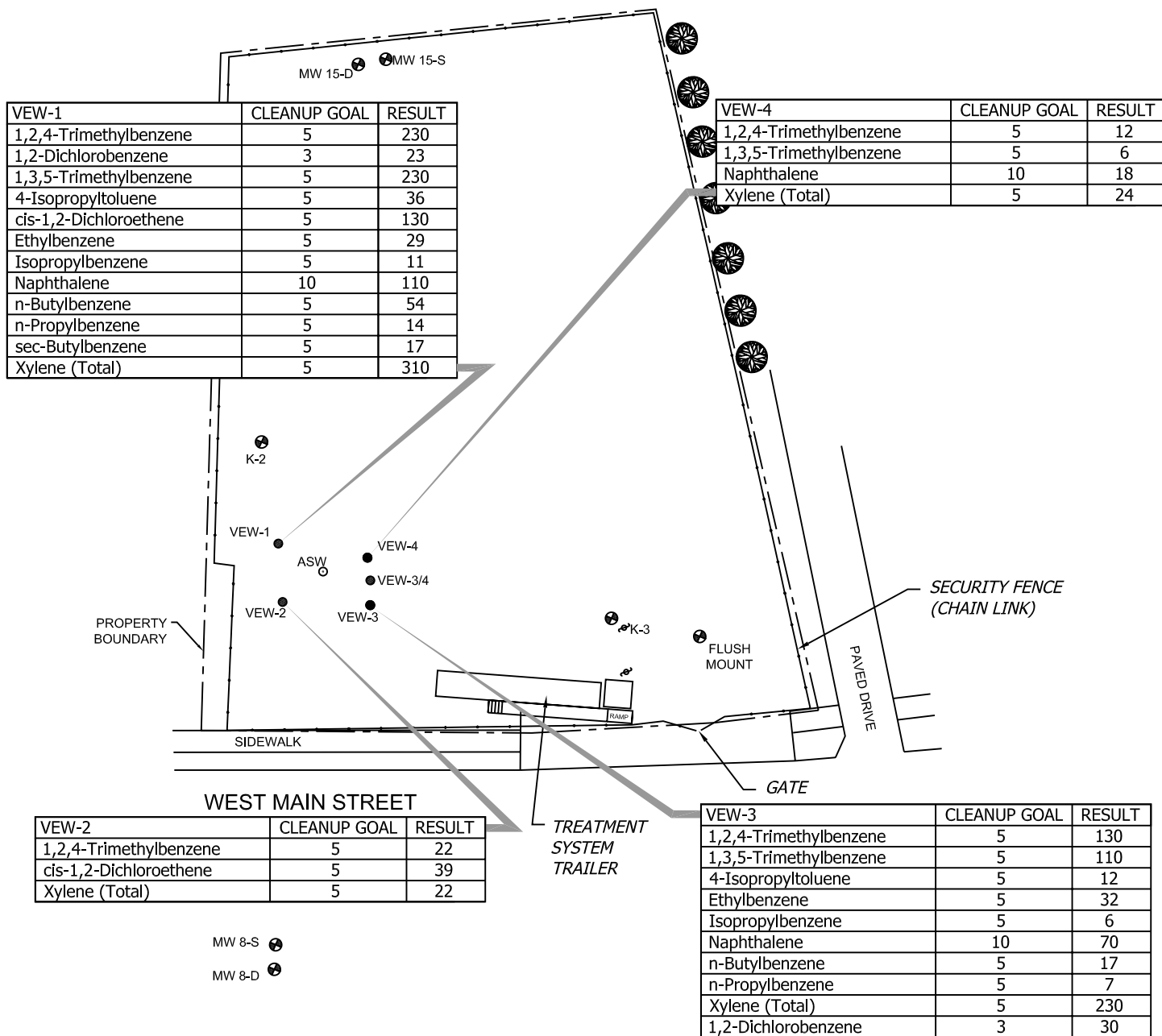


FIGURE 3-16
2007 GROUNDWATER CLEANUP GOAL
EXCEEDANCES 1 OF 2
NYSDEC SITE ID: 5-18-014
KORKAY INC.
70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: MARCH 2008

PROJECT NO.: 99165

MW 4-S (OUT OF SERVICE)
MW 4-D



LEGEND

- MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- AIR SPARGE WELL

NOTE:
FOR MAP REFERENCE INFORMATION SEE
FIGURE 1-2 "SITE LAYOUT".

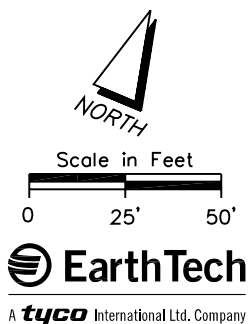
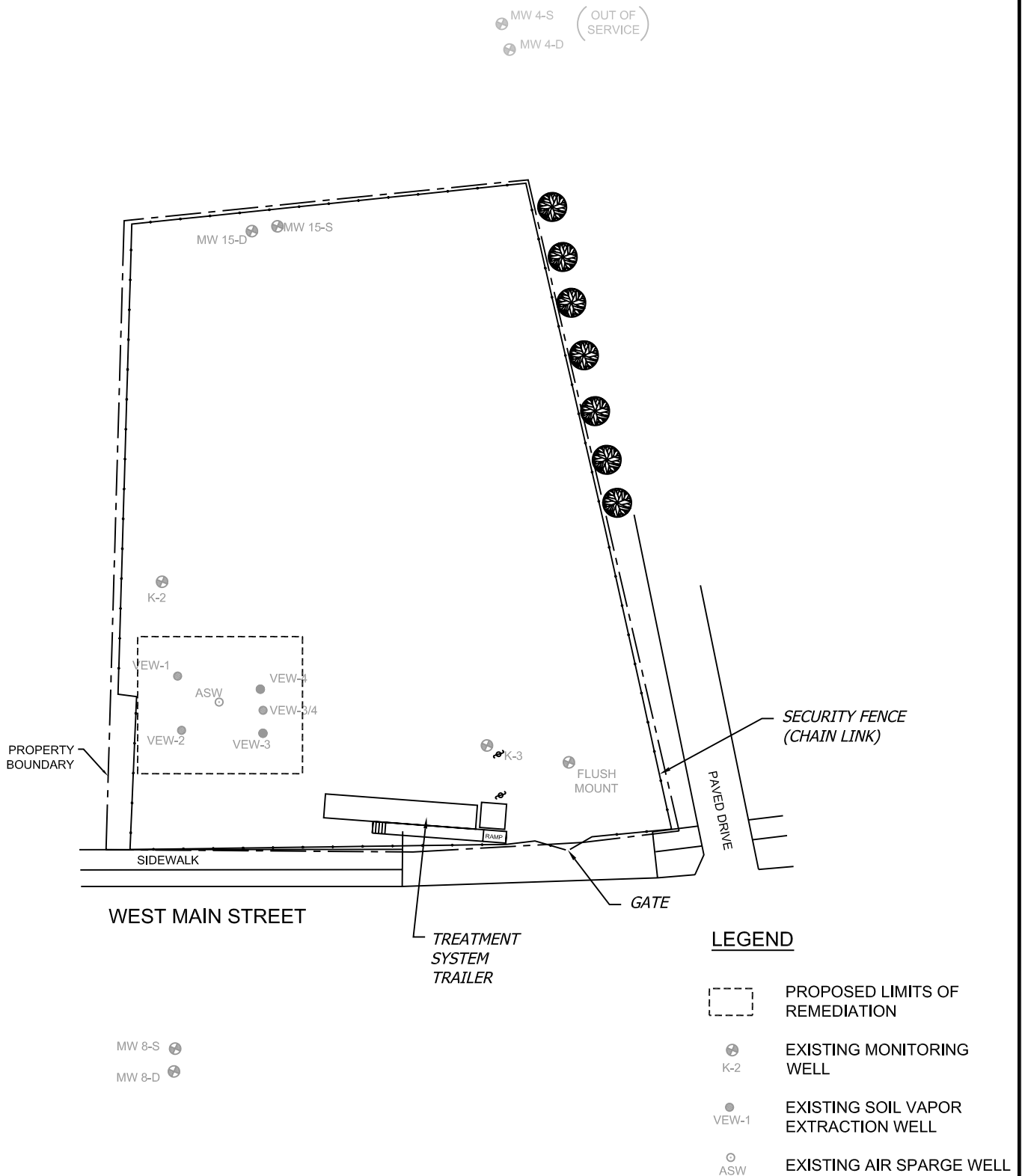


FIGURE 3-17
2007 GROUNDWATER CLEANUP GOAL
EXCEEDANCES 2 OF 2
NYSDEC SITE ID: 5-18-014
KORKAY INC.
70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: MARCH 2008

PROJECT NO.: 99165



PLAN

NOTE:
FOR MAP REFERENCE INFORMATION SEE
FIGURE 1-2 "SITE LAYOUT".

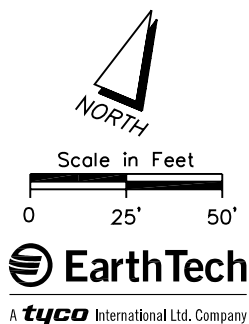


FIGURE 4-1
PROPOSED LIMITS OF
REMEDATION
 NYSDEC SITE ID: 5-18-014
KORKAY INC.
 70 WEST MAIN STREET
 BROADALBIN, NEW YORK

DATE: MARCH 2008

PROJECT NO.: 99165

APPENDIX A
Soil Sampling Field Notes

8/9/07

Korkay Site
DEC/EarthTech

moist @ 815
DEC Pac
BT SCOT } onite
Bunny BO

④ SB-1 (0-4) Rec 1.5 PID 0.0 BR top soil 0-3
(4-6) Rec 2.5 PID 235 (7-8) 3-4 BR med SAND moist
4-6 MED SAND 4-7AA at 7.8 mod odor (1-8)
(8-12) Rec 4 PID 125 9-9 BR
PID 11 24 ppm at 10-12 MED
9-10 w/ SAND at mod odor

(12-16) Rec 4 PID <3 12-13.5 at grey & CL
13.5-16 grey CL
at little & at

Returned access pit to borehole
peeled w/ bentonite

SB-2 (0-4) Rec 1.0 PID <1 BR moist med sand (top soil)
tried 2x (4-6) Rec 0.5 PID 19 - at second sample (1-8)
(8-12) Rec PID 19 - at at 6 days more

8/9/07

Korkay Site
DEC/EarthTech

④ SB-2B (0-4) PID <1 Rec 1.0 BR top soil moist
(4-6) PID 7.21 7-8 11 ppm BR med sand moist
(8-12) PID Rec 4 PID @ 9.88 ppm wet @ 7.1
8-11 AA 10.5 50 ppm
11-12 GREY at 11.15 2 ppm
at no odor

(12-16) Rec 4 PID 12-13 GR \$
13-16 GR CL at PID = <1

SB-3 (0-4) Rec 3 PID <1 BR MED SAND
(4-6) PID Rec 3 4-7.5 AA moist
dry to moist

7.5-8 PID = 17.6 ppm
BL MED SAND
SFT STR ODOR

8/9/07 Korkay Site
DEC/EarthTech

(SB-3) Conti mud Rec 4 PID @ 11.5=16
(8-12) Rec 4 10=98
PID 9=142
8-9 BL MED SAND SAT } STRONG odor
9-11 FINE + MED SAND }
SAT

11-12 GR & SAT
no odor

(12-16) Rec 4 12-13 GR & SAT
PID 3ppm 13-14 GR & SAT
14-15 GR & SAT } NO odor
15-16 GR & SAT

(SB-4) (0-4) Rec 2.5 0-2 topsoil
PID <1 2-4 ORANGE / BL MED
SAND DRY TO MOIST
NO odor

(4-8) Rec 3.0 4-7 AA PID >0
PID 7-8 BL FINE TO MED
SAND 7.5 MED
odor
PID = 14-48

(8-12) Rec 4 PID @ 11-12=5
8-9 AA SAT 9-11 = 8
9-11 FINE MED SAND
SAT

11-12 GR & SAT NO odor

8/9/07 Korkay Site
DEC/EarthTech

SB-4 (cont) Rec 4 PID <2
(12-16) Alternating
layers of sand and CL
and fine stuff
GREY SAT
no odor

backfill w/ left over
Aerial w/ bentonite

(SB-5) (6-4) Rec 1.5 AR TOP SOIL
PID 0.0 NO odor
dry
(4-8) Rec 3.5 4-7 BR MED SAND
PID Moist NO odor
7-7.5 GR same odor
7-6 SAND PID=15 SAT
7.5-8 GR & SAT PID=5

(8-12) Rec NO SAMPLE IN SLEEVE
PID
(12-16) Rec 4 3-4" layers of
PID <1 GR & sand CL,
GREY CL
and s + v. fine sand
NO odor, SAT

sample (8-12) Rec 4
PID 70=8.5 7m @ 11.5' GR FINE SAND
10.5 125 and s
11.5=25 11ppm SAT MOD odor

8/9/07 Korkay site
DEC | EarthTech

SB-16 (0-4) Rec 2.5 0-2 top soil MED
PID 1 ppm 2-4 dry BR SAND
trace GR No odor

(4-8) Rec 3.0
PID @ 8' = 23 BR fine SAND
4-8 = ~1 moist no str
vf SAND + @ 78

(8-12) Rec 4 @ 8-8.5 MED SAND PID = 67
PID SAT STR odor

8-5-9 PID = 140
vf SAND + SILT
SAT MOD odor

9-12 Finest MED SAND
some odor
PID = ~ 37
sat

12-16 Rec 4+
PID 3 ppm

12-12.5 PID = 46
MED SAND SAT
some odor

12.5-16 layers of
s and cl
GR sat
no odor

backfill w/ remaining soil
seal w/ bentonite

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
Project Manager

Mitkem Corporation

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

Project Name : Korkay Inc -- 99165

SDG : F1104

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
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				
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 : F1104

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date 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 : F1104

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date 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 : F1104

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc 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 : F1104

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc 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.

A handwritten signature in black ink, appearing to read "Shirley Ng". The signature is written in a cursive, flowing style.

Shirley Ng
Project Manager
08/30/07

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	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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-01B	VEW-3/4 4-8'	08/09/2007 9:00	08/10/2007	Soil	SW8260B_LOW_S		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_MED_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-02A	VEW-3/4 8-12'	08/09/2007 9:05	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-02B	VEW-3/4 8-12'	08/09/2007 9:05	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_MED_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-03A	VEW-3/4 12-16'	08/09/2007 9:10	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-03B	VEW-3/4 12-16'	08/09/2007 9:10	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

Client Rep: Shirley S Ng

Page 1 of 7

0005

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	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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
				PMoist			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
				SW8270C_S			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-04B	VEW-4 4-8'	08/09/2007 9:00	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-05A	VEW-4 8-12'	08/09/2007 9:10	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
				PMoist			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
				SW8270C_S			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-05B	VEW-4 8-12'	08/09/2007 9:10	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_MED_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-06A	VEW-4 12-16'	08/09/2007 9:15	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
				PMoist			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
				SW8270C_S			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-06B	VEW-4 12-16'	08/09/2007 9:15	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

Client Rep: Shirley S Ng

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	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1104-07A	VEW-1 4-8'	08/09/2007 10:10	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-07B	VEW-1 4-8'	08/09/2007 10:10	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-08A	VEW-1 8-12'	08/09/2007 10:15	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-08B	VEW-1 8-12'	08/09/2007 10:15	08/10/2007	Soil	SW8260B_LOW_S		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_MED_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-09A	VEW-1 12-16'	08/09/2007 10:20	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-09B	VEW-1 12-16'	08/09/2007 10:20	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

Client Rep: Shirley S Ng

Page 3 of 7

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	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1104-10A	VEW-2 4-8'	08/09/2007 11:10	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-10B	VEW-2 4-8'	08/09/2007 11:10	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-11A	VEW-2 8-12'	08/09/2007 11:15	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-11B	VEW-2 8-12'	08/09/2007 11:15	08/10/2007	Soil	SW8260B_LOW_S		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_MED_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-12A	VEW-2 12-16'	08/09/2007 11:20	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-12B	VEW-2 12-16'	08/09/2007 11:20	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

Client Rep: Shirley S Ng

Page 4 of 7

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	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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-13B	ASW 4-8'	08/09/2007 10:35	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-14A	ASW 8-12'	08/09/2007 10:40	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-14B	ASW 8-12'	08/09/2007 10:40	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_MED_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-15A	ASW 12-16'	08/09/2007 10:45	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-15B	ASW 12-16'	08/09/2007 10:45	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

Client Rep: Shirley S Ng

Page 5 of 7

Client ID: EARTH_NY
 Project: NYSDEC Korkay Inc
 Location: 99165
 Comments: N/A

Case: Report Level: ASP-A
 SDG: EDD:
 PO: 99165 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
F1104-16A	VEW-3 4-8'	08/09/2007 11:10	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
				PMoist			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
				SW8270C_S			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-16B	VEW-3 4-8'	08/09/2007 11:10	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-17A	VEW-3 8-12'	08/09/2007 11:15	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
				PMoist			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
				SW8270C_S			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-17B	VEW-3 8-12'	08/09/2007 11:15	08/10/2007	Soil	SW8260B_LOW_S		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_MED_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1104-18A	VEW-3 12-16'	08/09/2007 11:20	08/10/2007	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
				PMoist			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1104-18B	VEW-3 12-16'	08/09/2007 11:20	08/10/2007	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

Client Rep: Shirley S Ng

Page 6 of 7

Client ID: EARTH_NY
Project: NYSDEC Korkay Inc
Location: 99165
Comments: N/A

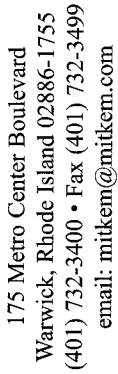
Case:
SDG:
PO: 99165
Report Level: ASP-A
EDD:
HC Due: 08/28/07
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
-----------	---------------------	-----------------	-------------	--------	-----------	-------------------	------	----	-----	---------

Sample Transmittal Documentation

CHAIN-OF-CUSTODY RECORD

REPORT TO				INVOICE TO																			
COMPANY	NAME	ADDRESS	CITY/ST/ZIP	PHONE	FAX	COMPANY	NAME	ADDRESS	CITY/ST/ZIP	PHONE	FAX	LAB PROJECT #:	TURNAROUND TIME:										
EARTH TECH	SCOTT UNDERHILL	40 BRITISH AMERICAN BLVD	LATHAM NY 12110	(518) 396-7638	(518) 951-2300	SAME						F1104											
CLIENT PROJECT NAME:				CLIENT PROJECT #:				REQUESTED ANALYSES															
NYSDEC - KORKAY				99165				<div style="display: flex; justify-content: space-around;"> <div>TOC</div> <div>SVOCs</div> <div>VOCs</div> </div>															
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	COMMENTS														
VEW-34 4-8'	8/9/07 0900		X		X		01	2	<div style="display: flex; justify-content: space-between;"> <div>VEW-34 8-12'</div> <div>VEW-34 12-16'</div> <div>VEW-4 4-8'</div> <div>VEW-4 8-12'</div> <div>VEW-4 12-16'</div> <div>VEW-1 4-8'</div> <div>VEW-1 8-12'</div> <div>VEW-1 12-16'</div> <div>VEW-2 4-8'</div> <div>VEW-2 8-12'</div> <div>VEW-2 12-16'</div> </div>														
VEW-34 8-12'	8/9/07 0905					02	1																
VEW-34 12-16'	8/9/07 0910					03	1																
VEW-4 4-8'	8/9/07 0900					04	1																
VEW-4 8-12'	8/9/07 0910					05	1																
VEW-4 12-16'	8/9/07 0915					06	1																
VEW-1 4-8'	8/10/07 1010					07	1																
VEW-1 8-12'	8/10/07 1015					08	1																
VEW-1 12-16'	8/10/07 1020					09	1	<div style="display: flex; justify-content: space-between;"> <div>VEW-1 12-16'</div> <div>VEW-2 4-8'</div> <div>VEW-2 8-12'</div> <div>VEW-2 12-16'</div> </div>															
VEW-2 4-8'	8/11/07 1110					10	1																
VEW-2 8-12'	8/11/07 1115					11	1																
VEW-2 12-16'	8/11/07 1120					12	1																
RELINQUISHED BY				DATE/TIME				ACCEPTED BY				DATE/TIME				ADDITIONAL REMARKS:				COOLER TEMP:			
Scott Underhill				8/10/07 1540				Denrich DeConte				8/10/07 8:50				40°C							



CHAIN-OF-CUSTODY RECORD

REPORT TO						INVOICE TO						
COMPANY EARTH TECH		PHONE (518) 396-7338		COMPANY SAME		PHONE		LAB PROJECT #:				
NAME SWIFT UNDERHILL		FAX (518) 991-2300				FAX		FLIOM				
ADDRESS 40 BRITISH AMERICAN BLDG				ADDRESS				TURNAROUND TIME:				
CITY/ST/ZIP LATHAM NY 12110				CITY/ST/ZIP								
CLIENT PROJECT NAME: NYSDEC - KORKAY				CLIENT PROJECT #: 99165		CLIENT PO.#: 99165		REQUESTED ANALYSES				
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	COMMENTS			
ASw 4-E'	8/9/07 / 1035	X	X	X	X		13	2	TOC			
ASw 8-12'	/ 1040						14		SUCCS			
ASw 12-16'	/ 1045						15		YES			
Vew-3 4-8'	/ 1110						16					
Vew-3 8-12'	/ 1115						17					
Vew-3 12-16'	/ 1120						18					
	/											
	/											
	/											
	/											
	/											
	/											
	/											
TSP#	RELINQUISHED BY <i>Lester Underhill</i>	DATE/TIME 8/9/07 / 1540	ACCEPTED BY <i>Derrick DeConti</i>	DATE/TIME 8/10/07 / 8:50	ADDITIONAL REMARKS:		COOLER TEMP: 4°C					

MITKEM CORPORATION

Sample Condition Form

Page 1 of 1

Received By: <u>DKO</u>		Reviewed By: <u>KP</u>		Date: <u>8/10/07</u>		MITKEM Workorder #: <u>F1104</u>		
Client Project: <u>Korkay</u>				Client: <u>Earth Tech</u>			Soil Headspace or Air Bubbles ≥ 1/4"	
		Lab Sample ID		Preservation (pH)				VOA Matrix
				HNO ₃	H ₂ SO ₄	HCl	NaOH	
1) Cooler Sealed	<u>Yes</u> / No	<u>F1104</u>	<u>01</u>					<u>US</u>
			<u>02</u>					
2) Custody Seal(s)	<u>Present</u> / Absent		<u>03</u>					
	<u>Coolers</u> / Bottles		<u>04</u>					
	<u>Intact</u> / Broken		<u>05</u>					
			<u>06</u>					
3) Custody Seal Number(s)	<u>N/A</u>		<u>07</u>					
			<u>08</u>					
			<u>09</u>					
			<u>10</u>					
			<u>11</u>					
4) Chain-of-Custody	<u>Present</u> / Absent		<u>12</u>					
			<u>13</u>					
5) Cooler Temperature	<u>4°C</u>		<u>14</u>					
Coolant Condition	<u>ice</u>		<u>15</u>					
			<u>16</u>					
6) Airbill(s)	<u>Present</u> / Absent		<u>17</u>					
Airbill Number(s)	<u>FedEx</u>	<u>F1104</u>	<u>18</u>					<u>US</u>
	<u>859651661065</u>							
7) Sample Bottles	<u>Intact</u> / Broken / Leaking							
8) Date Received	<u>8/10/07</u>							
9) Time Received	<u>8:50</u>							
Preservative Name/Lot No:								

DKO 8/10/07

VOA Matrix Key:

US = Unpreserved Soil **A** = Air

UA = Unpreserved Aqu. **H** = HCl

M = MeOH **E** = Encore

N = NaHSO₄ **F** = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes / no



*** Volatiles ***

1A
VOLATILE 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: F1104-15B

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1I8924

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)

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

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

1A
VOLATILE 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: F1104-15B

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1I8924

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)

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

142-28-9-----1,3-Dichloropropane	6	U
127-18-4-----Tetrachloroethene	6	U
591-78-6-----2-Hexanone	6	U
124-48-1-----Dibromochloromethane	6	U
106-93-4-----1,2-Dibromoethane	6	U
108-90-7-----Chlorobenzene	6	U
630-20-6-----1,1,1,2-Tetrachloroethane	6	U
100-41-4-----Ethylbenzene	53	
-----m,p-Xylene	140	
95-47-6-----o-Xylene	110	
1330-20-7-----Xylene (Total)	260	
100-42-5-----Styrene	6	U
75-25-2-----Bromoform	6	U
98-82-8-----Isopropylbenzene	9	
79-34-5-----1,1,2,2-Tetrachloroethane	6	U
108-86-1-----Bromobenzene	6	U
96-18-4-----1,2,3-Trichloropropane	6	U
103-65-1-----n-Propylbenzene	13	
95-49-8-----2-Chlorotoluene	6	U
108-67-8-----1,3,5-Trimethylbenzene	35	
106-43-4-----4-Chlorotoluene	6	U
98-06-6-----tert-Butylbenzene	6	U
95-63-6-----1,2,4-Trimethylbenzene	110	
135-98-8-----sec-Butylbenzene	7	
99-87-6-----4-Isopropyltoluene	8	
541-73-1-----1,3-Dichlorobenzene	6	U
106-46-7-----1,4-Dichlorobenzene	6	U
104-51-8-----n-Butylbenzene	15	
95-50-1-----1,2-Dichlorobenzene	3	J
96-12-8-----1,2-Dibromo-3-chloropropane	6	U
120-82-1-----1,2,4-Trichlorobenzene	6	U
87-68-3-----Hexachlorobutadiene	6	U
91-20-3-----Naphthalene	6	JB
87-61-6-----1,2,3-Trichlorobenzene	6	U

FORM I VOA

OLM03.0

0018

1A
VOLATILE 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: F1104-13B

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)

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

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

1A
VOLATILE 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: F1104-13B

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)

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

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	5	U
591-78-6-----	2-Hexanone	5	U
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
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	5	U
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	5	U
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	5	U
135-98-8-----	sec-Butylbenzene	5	U
99-87-6-----	4-Isopropyltoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	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	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	5	U
87-61-6-----	1,2,3-Trichlorobenzene	5	U

1A
VOLATILE 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: F1104-14B

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: VII8927

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)

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

75-71-8-----	Dichlorodifluoromethane	30	U
74-87-3-----	Chloromethane	30	U
75-01-4-----	Vinyl Chloride	30	U
74-83-9-----	Bromomethane	30	U
75-00-3-----	Chloroethane	30	U
75-69-4-----	Trichlorofluoromethane	30	U
75-35-4-----	1,1-Dichloroethene	30	U
67-64-1-----	Acetone	30	U
74-88-4-----	Iodomethane	30	U
75-15-0-----	Carbon Disulfide	30	U
75-09-2-----	Methylene Chloride	10	J
156-60-5-----	trans-1,2-Dichloroethene	30	U
1634-04-4-----	Methyl tert-butyl ether	30	U
75-34-3-----	1,1-Dichloroethane	30	U
108-05-4-----	Vinyl acetate	30	U
78-93-3-----	2-Butanone	30	U
156-59-2-----	cis-1,2-Dichloroethene	30	U
590-20-7-----	2,2-Dichloropropane	30	U
74-97-5-----	Bromochloromethane	30	U
67-66-3-----	Chloroform	30	U
71-55-6-----	1,1,1-Trichloroethane	30	U
563-58-6-----	1,1-Dichloropropene	30	U
56-23-5-----	Carbon Tetrachloride	30	U
107-06-2-----	1,2-Dichloroethane	30	U
71-43-2-----	Benzene	30	U
79-01-6-----	Trichloroethene	30	U
78-87-5-----	1,2-Dichloropropane	30	U
74-95-3-----	Dibromomethane	30	U
75-27-4-----	Bromodichloromethane	30	U
10061-01-5-----	cis-1,3-Dichloropropene	30	U
108-10-1-----	4-Methyl-2-pentanone	30	U
108-88-3-----	Toluene	30	U
10061-02-6-----	trans-1,3-Dichloropropene	30	U
79-00-5-----	1,1,2-Trichloroethane	30	U

FORM I VOA

OLM03.0

1A
VOLATILE 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: F1104-14B

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: VII8927

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)

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

142-28-9-----	1,3-Dichloropropane	30	U
127-18-4-----	Tetrachloroethene	30	U
591-78-6-----	2-Hexanone	30	U
124-48-1-----	Dibromochloromethane	30	U
106-93-4-----	1,2-Dibromoethane	30	U
108-90-7-----	Chlorobenzene	30	U
630-20-6-----	1,1,1,2-Tetrachloroethane	30	U
100-41-4-----	Ethylbenzene	180	
-----	m,p-Xylene	2700	E
95-47-6-----	o-Xylene	1200	
1330-20-7-----	Xylene (Total)	3900	E
100-42-5-----	Styrene	30	U
75-25-2-----	Bromoform	30	U
98-82-8-----	Isopropylbenzene	220	
79-34-5-----	1,1,2,2-Tetrachloroethane	30	U
108-86-1-----	Bromobenzene	30	U
96-18-4-----	1,2,3-Trichloropropane	30	U
103-65-1-----	n-Propylbenzene	180	
95-49-8-----	2-Chlorotoluene	30	U
108-67-8-----	1,3,5-Trimethylbenzene	1200	E
106-43-4-----	4-Chlorotoluene	30	U
98-06-6-----	tert-Butylbenzene	30	U
95-63-6-----	1,2,4-Trimethylbenzene	3700	E
135-98-8-----	sec-Butylbenzene	220	
99-87-6-----	4-Isopropyltoluene	510	
541-73-1-----	1,3-Dichlorobenzene	30	U
106-46-7-----	1,4-Dichlorobenzene	30	U
104-51-8-----	n-Butylbenzene	520	
95-50-1-----	1,2-Dichlorobenzene	73	
96-12-8-----	1,2-Dibromo-3-chloropropane	30	U
120-82-1-----	1,2,4-Trichlorobenzene	30	U
87-68-3-----	Hexachlorobutadiene	30	U
91-20-3-----	Naphthalene	280	B
87-61-6-----	1,2,3-Trichlorobenzene	30	U

FORM I VOA

OLM03.0

0022

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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) 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)

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

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
67-64-1-----Acetone	350	U
74-88-4-----Iodomethane	350	U
75-15-0-----Carbon Disulfide	350	U
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
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
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	350	U
10061-02-6-----trans-1,3-Dichloropropene	350	U
79-00-5-----1,1,2-Trichloroethane	350	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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) 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)

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

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	350	U
-----	m,p-Xylene	720	D
95-47-6-----	o-Xylene	400	D
1330-20-7-----	Xylene (Total)	1100	D
100-42-5-----	Styrene	350	U
75-25-2-----	Bromoform	350	U
98-82-8-----	Isopropylbenzene	72	DJ
79-34-5-----	1,1,2,2-Tetrachloroethane	350	U
108-86-1-----	Bromobenzene	350	U
96-18-4-----	1,2,3-Trichloropropane	350	U
103-65-1-----	n-Propylbenzene	350	U
95-49-8-----	2-Chlorotoluene	350	U
108-67-8-----	1,3,5-Trimethylbenzene	1000	D
106-43-4-----	4-Chlorotoluene	350	U
98-06-6-----	tert-Butylbenzene	350	U
95-63-6-----	1,2,4-Trimethylbenzene	2400	D
135-98-8-----	sec-Butylbenzene	350	U
99-87-6-----	4-Isopropyltoluene	350	U
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
104-51-8-----	n-Butylbenzene	690	D
95-50-1-----	1,2-Dichlorobenzene	350	U
96-12-8-----	1,2-Dibromo-3-chloropropane	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
87-68-3-----	Hexachlorobutadiene	350	U
91-20-3-----	Naphthalene	350	U
87-61-6-----	1,2,3-Trichlorobenzene	350	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: not dec. 19

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	7	U
74-87-3-----Chloromethane	7	U
75-01-4-----Vinyl Chloride	7	U
74-83-9-----Bromomethane	7	U
75-00-3-----Chloroethane	7	U
75-69-4-----Trichlorofluoromethane	7	U
75-35-4-----1,1-Dichloroethene	7	U
67-64-1-----Acetone	7	U
74-88-4-----Iodomethane	7	U
75-15-0-----Carbon Disulfide	7	U
75-09-2-----Methylene Chloride	7	U
156-60-5-----trans-1,2-Dichloroethene	7	U
1634-04-4-----Methyl tert-butyl ether	7	U
75-34-3-----1,1-Dichloroethane	7	U
108-05-4-----Vinyl acetate	7	U
78-93-3-----2-Butanone	7	U
156-59-2-----cis-1,2-Dichloroethene	6	J
590-20-7-----2,2-Dichloropropane	7	U
74-97-5-----Bromochloromethane	7	U
67-66-3-----Chloroform	7	U
71-55-6-----1,1,1-Trichloroethane	7	U
563-58-6-----1,1-Dichloropropene	7	U
56-23-5-----Carbon Tetrachloride	7	U
107-06-2-----1,2-Dichloroethane	7	U
71-43-2-----Benzene	7	U
79-01-6-----Trichloroethene	18	
78-87-5-----1,2-Dichloropropane	7	U
74-95-3-----Dibromomethane	7	U
75-27-4-----Bromodichloromethane	7	U
10061-01-5-----cis-1,3-Dichloropropene	7	U
108-10-1-----4-Methyl-2-pentanone	7	U
108-88-3-----Toluene	7	U
10061-02-6-----trans-1,3-Dichloropropene	7	U
79-00-5-----1,1,2-Trichloroethane	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: not dec. 19

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

142-28-9-----1,3-Dichloropropane	7	U
127-18-4-----Tetrachloroethene	7	U
591-78-6-----2-Hexanone	7	U
124-48-1-----Dibromochloromethane	7	U
106-93-4-----1,2-Dibromoethane	7	U
108-90-7-----Chlorobenzene	7	U
630-20-6-----1,1,1,2-Tetrachloroethane	7	U
100-41-4-----Ethylbenzene	7	U
-----m,p-Xylene	5	J
95-47-6-----o-Xylene	6	J
1330-20-7-----Xylene (Total)	12	
100-42-5-----Styrene	7	U
75-25-2-----Bromoform	7	U
98-82-8-----Isopropylbenzene	2	J
79-34-5-----1,1,2,2-Tetrachloroethane	7	U
108-86-1-----Bromobenzene	7	U
96-18-4-----1,2,3-Trichloropropane	7	U
103-65-1-----n-Propylbenzene	7	U
95-49-8-----2-Chlorotoluene	7	U
108-67-8-----1,3,5-Trimethylbenzene	4	J
106-43-4-----4-Chlorotoluene	7	U
98-06-6-----tert-Butylbenzene	7	U
95-63-6-----1,2,4-Trimethylbenzene	10	
135-98-8-----sec-Butylbenzene	1	J
99-87-6-----4-Isopropyltoluene	1	J
541-73-1-----1,3-Dichlorobenzene	7	U
106-46-7-----1,4-Dichlorobenzene	7	U
104-51-8-----n-Butylbenzene	3	J
95-50-1-----1,2-Dichlorobenzene	7	U
96-12-8-----1,2-Dibromo-3-chloropropane	7	U
120-82-1-----1,2,4-Trichlorobenzene	7	U
87-68-3-----Hexachlorobutadiene	7	U
91-20-3-----Naphthalene	2	JB
87-61-6-----1,2,3-Trichlorobenzene	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: F1104-07B

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: VLI8637

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: not dec. 5

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
---------	----------	---	---

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

FORM I VOA

OLM03.0

0027

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: F1104-07B

Sample wt/vol: 5.2 (g/mL) G

Lab File ID: V1I8637

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: not dec. 5

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
---------	----------	---	---

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	5	U
591-78-6-----	2-Hexanone	5	U
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
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	5	U
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	5	U
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	5	U
135-98-8-----	sec-Butylbenzene	5	U
99-87-6-----	4-Isopropyltoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	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	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	5	U
87-61-6-----	1,2,3-Trichlorobenzene	5	U

1A
VOLATILE 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: F1104-08B

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5H9818

Level: (low/med) MED Date Received: 08/10/07

% 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)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
			Q
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
67-64-1	Acetone	350	U
74-88-4	Iodomethane	350	U
75-15-0	Carbon Disulfide	350	U
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
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
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
79-00-5	1,1,2-Trichloroethane	350	U

1A
VOLATILE 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: F1104-08B

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

Lab File ID: V5H9818

Level: (low/med) MED

Date Received: 08/10/07

% 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)

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

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	3800	
-----	m,p-Xylene	12000	
95-47-6-----	o-Xylene	7400	
1330-20-7-----	Xylene (Total)	19000	
100-42-5-----	Styrene	350	U
75-25-2-----	Bromoform	350	U
98-82-8-----	Isopropylbenzene	3600	
79-34-5-----	1,1,2,2-Tetrachloroethane	350	U
108-86-1-----	Bromobenzene	350	U
96-18-4-----	1,2,3-Trichloropropane	350	U
103-65-1-----	n-Propylbenzene	7400	
95-49-8-----	2-Chlorotoluene	350	U
108-67-8-----	1,3,5-Trimethylbenzene	24000	E
106-43-4-----	4-Chlorotoluene	350	U
98-06-6-----	tert-Butylbenzene	350	U
95-63-6-----	1,2,4-Trimethylbenzene	52000	E
135-98-8-----	sec-Butylbenzene	8600	
99-87-6-----	4-Isopropyltoluene	13000	
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
104-51-8-----	n-Butylbenzene	24000	E
95-50-1-----	1,2-Dichlorobenzene	1200	
96-12-8-----	1,2-Dibromo-3-chloropropane	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
87-68-3-----	Hexachlorobutadiene	350	U
91-20-3-----	Naphthalene	8800	
87-61-6-----	1,2,3-Trichlorobenzene	350	U

FORM I VOA

OLM03.0

0030

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

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

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: 4.0

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-----	Dichlorodifluoromethane	1400	U
74-87-3-----	Chloromethane	1400	U
75-01-4-----	Vinyl Chloride	1400	U
74-83-9-----	Bromomethane	1400	U
75-00-3-----	Chloroethane	1400	U
75-69-4-----	Trichlorofluoromethane	1400	U
75-35-4-----	1,1-Dichloroethene	1400	U
67-64-1-----	Acetone	1400	U
74-88-4-----	Iodomethane	1400	U
75-15-0-----	Carbon Disulfide	1400	U
75-09-2-----	Methylene Chloride	1400	U
156-60-5-----	trans-1,2-Dichloroethene	1400	U
1634-04-4-----	Methyl tert-butyl ether	1400	U
75-34-3-----	1,1-Dichloroethane	1400	U
108-05-4-----	Vinyl acetate	1400	U
78-93-3-----	2-Butanone	1400	U
156-59-2-----	cis-1,2-Dichloroethene	1400	U
590-20-7-----	2,2-Dichloropropane	1400	U
74-97-5-----	Bromochloromethane	1400	U
67-66-3-----	Chloroform	1400	U
71-55-6-----	1,1,1-Trichloroethane	1400	U
563-58-6-----	1,1-Dichloropropene	1400	U
56-23-5-----	Carbon Tetrachloride	1400	U
107-06-2-----	1,2-Dichloroethane	1400	U
71-43-2-----	Benzene	1400	U
79-01-6-----	Trichloroethene	1400	U
78-87-5-----	1,2-Dichloropropane	1400	U
74-95-3-----	Dibromomethane	1400	U
75-27-4-----	Bromodichloromethane	1400	U
10061-01-5-----	cis-1,3-Dichloropropene	1400	U
108-10-1-----	4-Methyl-2-pentanone	1400	U
108-88-3-----	Toluene	1400	U
10061-02-6-----	trans-1,3-Dichloropropene	1400	U
79-00-5-----	1,1,2-Trichloroethane	1400	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW-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

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: 4.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

142-28-9-----	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
1330-20-7-----	Xylene (Total)	15000	D
100-42-5-----	Styrene	1400	U
75-25-2-----	Bromoform	1400	U
98-82-8-----	Isopropylbenzene	2600	D
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

OLM03.0

0032

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: 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)

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: VLI8916

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)

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

142-28-9-----	1,3-Dichloropropane	7	U
127-18-4-----	Tetrachloroethene	7	U
591-78-6-----	2-Hexanone	7	U
124-48-1-----	Dibromochloromethane	7	U
106-93-4-----	1,2-Dibromoethane	7	U
108-90-7-----	Chlorobenzene	7	U
630-20-6-----	1,1,1,2-Tetrachloroethane	7	U
100-41-4-----	Ethylbenzene	2	J
-----	m,p-Xylene	4	J
95-47-6-----	o-Xylene	31	
1330-20-7-----	Xylene (Total)	34	
100-42-5-----	Styrene	7	U
75-25-2-----	Bromoform	7	U
98-82-8-----	Isopropylbenzene	5	J
79-34-5-----	1,1,2,2-Tetrachloroethane	7	U
108-86-1-----	Bromobenzene	7	U
96-18-4-----	1,2,3-Trichloropropane	7	U
103-65-1-----	n-Propylbenzene	2	J
95-49-8-----	2-Chlorotoluene	7	U
108-67-8-----	1,3,5-Trimethylbenzene	17	
106-43-4-----	4-Chlorotoluene	7	U
98-06-6-----	tert-Butylbenzene	7	U
95-63-6-----	1,2,4-Trimethylbenzene	2	J
135-98-8-----	sec-Butylbenzene	5	J
99-87-6-----	4-Isopropyltoluene	2	J
541-73-1-----	1,3-Dichlorobenzene	7	U
106-46-7-----	1,4-Dichlorobenzene	7	U
104-51-8-----	n-Butylbenzene	8	
95-50-1-----	1,2-Dichlorobenzene	2	J
96-12-8-----	1,2-Dibromo-3-chloropropane	7	U
120-82-1-----	1,2,4-Trichlorobenzene	7	U
87-68-3-----	Hexachlorobutadiene	7	U
91-20-3-----	Naphthalene	2	JB
87-61-6-----	1,2,3-Trichlorobenzene	7	U

FORM I VOA

OLM03.0

0034

1A
VOLATILE 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: F1104-10B

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)

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

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

FORM I VOA

OLM03.0

1A
VOLATILE 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: F1104-10B

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)

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

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	5	U
591-78-6-----	2-Hexanone	5	U
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
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	5	U
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	5	U
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	5	U
135-98-8-----	sec-Butylbenzene	5	U
99-87-6-----	4-Isopropyltoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	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	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	1	J
87-61-6-----	1,2,3-Trichlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

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

% 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)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

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

% 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)

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

142-28-9-----1,3-Dichloropropane	370	U
127-18-4-----Tetrachloroethene	370	U
591-78-6-----2-Hexanone	370	U
124-48-1-----Dibromochloromethane	370	U
106-93-4-----1,2-Dibromoethane	370	U
108-90-7-----Chlorobenzene	370	U
630-20-6-----1,1,1,2-Tetrachloroethane	370	U
100-41-4-----Ethylbenzene	850	
-----m,p-Xylene	3900	
95-47-6-----o-Xylene	1800	
1330-20-7-----Xylene (Total)	5600	
100-42-5-----Styrene	370	U
75-25-2-----Bromoform	370	U
98-82-8-----Isopropylbenzene	900	
79-34-5-----1,1,2,2-Tetrachloroethane	370	U
108-86-1-----Bromobenzene	370	U
96-18-4-----1,2,3-Trichloropropane	370	U
103-65-1-----n-Propylbenzene	2500	
95-49-8-----2-Chlorotoluene	370	U
108-67-8-----1,3,5-Trimethylbenzene	7600	
106-43-4-----4-Chlorotoluene	370	U
98-06-6-----tert-Butylbenzene	370	U
95-63-6-----1,2,4-Trimethylbenzene	17000	E
135-98-8-----sec-Butylbenzene	3700	
99-87-6-----4-Isopropyltoluene	5600	
541-73-1-----1,3-Dichlorobenzene	370	U
106-46-7-----1,4-Dichlorobenzene	370	U
104-51-8-----n-Butylbenzene	11000	
95-50-1-----1,2-Dichlorobenzene	290	J
96-12-8-----1,2-Dibromo-3-chloropropane	370	U
120-82-1-----1,2,4-Trichlorobenzene	370	U
87-68-3-----Hexachlorobutadiene	370	U
91-20-3-----Naphthalene	2400	
87-61-6-----1,2,3-Trichlorobenzene	370	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-2 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: F1104-11BDL

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 (uL)

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

75-71-8-----	Dichlorodifluoromethane	750	U
74-87-3-----	Chloromethane	750	U
75-01-4-----	Vinyl Chloride	750	U
74-83-9-----	Bromomethane	750	U
75-00-3-----	Chloroethane	750	U
75-69-4-----	Trichlorofluoromethane	750	U
75-35-4-----	1,1-Dichloroethene	750	U
67-64-1-----	Acetone	750	U
74-88-4-----	Iodomethane	750	U
75-15-0-----	Carbon Disulfide	750	U
75-09-2-----	Methylene Chloride	750	U
156-60-5-----	trans-1,2-Dichloroethene	750	U
1634-04-4-----	Methyl tert-butyl ether	750	U
75-34-3-----	1,1-Dichloroethane	750	U
108-05-4-----	Vinyl acetate	750	U
78-93-3-----	2-Butanone	750	U
156-59-2-----	cis-1,2-Dichloroethene	750	U
590-20-7-----	2,2-Dichloropropane	750	U
74-97-5-----	Bromochloromethane	750	U
67-66-3-----	Chloroform	750	U
71-55-6-----	1,1,1-Trichloroethane	750	U
563-58-6-----	1,1-Dichloropropene	750	U
56-23-5-----	Carbon Tetrachloride	750	U
107-06-2-----	1,2-Dichloroethane	750	U
71-43-2-----	Benzene	750	U
79-01-6-----	Trichloroethene	750	U
78-87-5-----	1,2-Dichloropropane	750	U
74-95-3-----	Dibromomethane	750	U
75-27-4-----	Bromodichloromethane	750	U
10061-01-5-----	cis-1,3-Dichloropropene	750	U
108-10-1-----	4-Methyl-2-pentanone	750	U
108-88-3-----	Toluene	750	U
10061-02-6-----	trans-1,3-Dichloropropene	750	U
79-00-5-----	1,1,2-Trichloroethane	750	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-2 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: F1104-11BDL

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 (uL)

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

142-28-9-----1,3-Dichloropropane	750	U
127-18-4-----Tetrachloroethene	750	U
591-78-6-----2-Hexanone	750	U
124-48-1-----Dibromochloromethane	750	U
106-93-4-----1,2-Dibromoethane	750	U
108-90-7-----Chlorobenzene	750	U
630-20-6-----1,1,1,2-Tetrachloroethane	750	U
100-41-4-----Ethylbenzene	510	DJ
-----m,p-Xylene	2800	D
95-47-6-----o-Xylene	1200	D
1330-20-7-----Xylene (Total)	4000	D
100-42-5-----Styrene	750	U
75-25-2-----Bromoform	750	U
98-82-8-----Isopropylbenzene	640	DJ
79-34-5-----1,1,2,2-Tetrachloroethane	750	U
108-86-1-----Bromobenzene	750	U
96-18-4-----1,2,3-Trichloropropane	750	U
103-65-1-----n-Propylbenzene	1600	D
95-49-8-----2-Chlorotoluene	750	U
108-67-8-----1,3,5-Trimethylbenzene	6000	D
106-43-4-----4-Chlorotoluene	750	U
98-06-6-----tert-Butylbenzene	190	DJ
95-63-6-----1,2,4-Trimethylbenzene	14000	D
135-98-8-----sec-Butylbenzene	2700	D
99-87-6-----4-Isopropyltoluene	4100	D
541-73-1-----1,3-Dichlorobenzene	750	U
106-46-7-----1,4-Dichlorobenzene	750	U
104-51-8-----n-Butylbenzene	9600	D
95-50-1-----1,2-Dichlorobenzene	750	U
96-12-8-----1,2-Dibromo-3-chloropropane	750	U
120-82-1-----1,2,4-Trichlorobenzene	750	U
87-68-3-----Hexachlorobutadiene	750	U
91-20-3-----Naphthalene	2500	D
87-61-6-----1,2,3-Trichlorobenzene	750	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

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

Lab File ID: VII8926

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
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	6	U
74-87-3-----	Chloromethane	6	U
75-01-4-----	Vinyl Chloride	6	U
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	U
67-64-1-----	Acetone	17	
74-88-4-----	Iodomethane	6	U
75-15-0-----	Carbon Disulfide	6	U
75-09-2-----	Methylene Chloride	2	J
156-60-5-----	trans-1,2-Dichloroethene	6	U
1634-04-4-----	Methyl tert-butyl ether	6	U
75-34-3-----	1,1-Dichloroethane	6	U
108-05-4-----	Vinyl acetate	6	U
78-93-3-----	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	U
67-66-3-----	Chloroform	6	U
71-55-6-----	1,1,1-Trichloroethane	6	U
563-58-6-----	1,1-Dichloropropene	6	U
56-23-5-----	Carbon Tetrachloride	6	U
107-06-2-----	1,2-Dichloroethane	6	U
71-43-2-----	Benzene	6	U
79-01-6-----	Trichloroethene	6	U
78-87-5-----	1,2-Dichloropropane	6	U
74-95-3-----	Dibromomethane	6	U
75-27-4-----	Bromodichloromethane	6	U
10061-01-5-----	cis-1,3-Dichloropropene	6	U
108-10-1-----	4-Methyl-2-pentanone	6	U
108-88-3-----	Toluene	6	U
10061-02-6-----	trans-1,3-Dichloropropene	6	U
79-00-5-----	1,1,2-Trichloroethane	6	U

FORM I VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

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
---------	----------	---	---

142-28-9-----1,3-Dichloropropane	6	U
127-18-4-----Tetrachloroethene	6	U
591-78-6-----2-Hexanone	6	U
124-48-1-----Dibromochloromethane	6	U
106-93-4-----1,2-Dibromoethane	6	U
108-90-7-----Chlorobenzene	6	U
630-20-6-----1,1,1,2-Tetrachloroethane	6	U
100-41-4-----Ethylbenzene	9	
-----m,p-Xylene	21	
95-47-6-----o-Xylene	34	
1330-20-7-----Xylene (Total)	55	
100-42-5-----Styrene	6	U
75-25-2-----Bromoform	6	U
98-82-8-----Isopropylbenzene	10	
79-34-5-----1,1,2,2-Tetrachloroethane	6	U
108-86-1-----Bromobenzene	6	U
96-18-4-----1,2,3-Trichloropropane	6	U
103-65-1-----n-Propylbenzene	18	
95-49-8-----2-Chlorotoluene	6	U
108-67-8-----1,3,5-Trimethylbenzene	61	
106-43-4-----4-Chlorotoluene	6	U
98-06-6-----tert-Butylbenzene	6	U
95-63-6-----1,2,4-Trimethylbenzene	160	
135-98-8-----sec-Butylbenzene	16	
99-87-6-----4-Isopropyltoluene	18	
541-73-1-----1,3-Dichlorobenzene	6	U
106-46-7-----1,4-Dichlorobenzene	6	U
104-51-8-----n-Butylbenzene	40	
95-50-1-----1,2-Dichlorobenzene	10	
96-12-8-----1,2-Dibromo-3-chloropropane	6	U
120-82-1-----1,2,4-Trichlorobenzene	6	U
87-68-3-----Hexachlorobutadiene	6	U
91-20-3-----Naphthalene	15	B
87-61-6-----1,2,3-Trichlorobenzene	6	U

1A
VOLATILE 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: F1104-16B

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)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	1	J
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	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
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	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	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A
VOLATILE 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: F1104-16B

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)

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

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	5	U
591-78-6-----	2-Hexanone	5	U
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
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	5	U
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	5	U
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	5	U
135-98-8-----	sec-Butylbenzene	5	U
99-87-6-----	4-Isopropyltoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	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	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	5	U
87-61-6-----	1,2,3-Trichlorobenzene	5	U

FORM I VOA

OLM03.0

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: F1104-03B

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: VII8633

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: not dec. 25

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
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	6	U
74-87-3-----	Chloromethane	6	U
75-01-4-----	Vinyl Chloride	6	U
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	U
67-64-1-----	Acetone	170	
74-88-4-----	Iodomethane	6	U
75-15-0-----	Carbon Disulfide	6	U
75-09-2-----	Methylene Chloride	6	U
156-60-5-----	trans-1,2-Dichloroethene	6	U
1634-04-4-----	Methyl tert-butyl ether	6	U
75-34-3-----	1,1-Dichloroethane	6	U
108-05-4-----	Vinyl acetate	6	U
78-93-3-----	2-Butanone	6	U
156-59-2-----	cis-1,2-Dichloroethene	5	J
590-20-7-----	2,2-Dichloropropane	6	U
74-97-5-----	Bromochloromethane	6	U
67-66-3-----	Chloroform	6	U
71-55-6-----	1,1,1-Trichloroethane	6	U
563-58-6-----	1,1-Dichloropropene	6	U
56-23-5-----	Carbon Tetrachloride	6	U
107-06-2-----	1,2-Dichloroethane	6	U
71-43-2-----	Benzene	6	U
79-01-6-----	Trichloroethene	6	U
78-87-5-----	1,2-Dichloropropane	6	U
74-95-3-----	Dibromomethane	6	U
75-27-4-----	Bromodichloromethane	6	U
10061-01-5-----	cis-1,3-Dichloropropene	6	U
108-10-1-----	4-Methyl-2-pentanone	6	U
108-88-3-----	Toluene	6	J
10061-02-6-----	trans-1,3-Dichloropropene	6	U
79-00-5-----	1,1,2-Trichloroethane	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: F1104-03B

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V1I8633

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: not dec. 25

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
---------	----------	---	---

142-28-9-----1,3-Dichloropropane	6	U
127-18-4-----Tetrachloroethene	6	U
591-78-6-----2-Hexanone	6	U
124-48-1-----Dibromochloromethane	6	U
106-93-4-----1,2-Dibromoethane	6	U
108-90-7-----Chlorobenzene	6	U
630-20-6-----1,1,1,2-Tetrachloroethane	6	U
100-41-4-----Ethylbenzene	20	
-----m,p-Xylene	99	
95-47-6-----o-Xylene	50	
1330-20-7-----Xylene (Total)	150	
100-42-5-----Styrene	6	U
75-25-2-----Bromoform	6	U
98-82-8-----Isopropylbenzene	4	J
79-34-5-----1,1,2,2-Tetrachloroethane	6	U
108-86-1-----Bromobenzene	6	U
96-18-4-----1,2,3-Trichloropropane	6	U
103-65-1-----n-Propylbenzene	6	J
95-49-8-----2-Chlorotoluene	6	U
108-67-8-----1,3,5-Trimethylbenzene	26	
106-43-4-----4-Chlorotoluene	6	U
98-06-6-----tert-Butylbenzene	6	U
95-63-6-----1,2,4-Trimethylbenzene	79	
135-98-8-----sec-Butylbenzene	6	J
99-87-6-----4-Isopropyltoluene	8	
541-73-1-----1,3-Dichlorobenzene	6	U
106-46-7-----1,4-Dichlorobenzene	6	U
104-51-8-----n-Butylbenzene	14	
95-50-1-----1,2-Dichlorobenzene	4	J
96-12-8-----1,2-Dibromo-3-chloropropane	6	U
120-82-1-----1,2,4-Trichlorobenzene	6	U
87-68-3-----Hexachlorobutadiene	6	U
91-20-3-----Naphthalene	29	
87-61-6-----1,2,3-Trichlorobenzene	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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)

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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)

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

142-28-9-----1,3-Dichloropropane	8	U
127-18-4-----Tetrachloroethene	8	U
591-78-6-----2-Hexanone	8	U
124-48-1-----Dibromochloromethane	8	U
106-93-4-----1,2-Dibromoethane	8	U
108-90-7-----Chlorobenzene	8	U
630-20-6-----1,1,1,2-Tetrachloroethane	8	U
100-41-4-----Ethylbenzene	9	
-----m,p-Xylene	44	
95-47-6-----o-Xylene	26	
1330-20-7-----Xylene (Total)	70	
100-42-5-----Styrene	8	U
75-25-2-----Bromoform	8	U
98-82-8-----Isopropylbenzene	2	J
79-34-5-----1,1,2,2-Tetrachloroethane	8	U
108-86-1-----Bromobenzene	8	U
96-18-4-----1,2,3-Trichloropropane	8	U
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
541-73-1-----1,3-Dichlorobenzene	8	U
106-46-7-----1,4-Dichlorobenzene	8	U
104-51-8-----n-Butylbenzene	6	J
95-50-1-----1,2-Dichlorobenzene	2	J
96-12-8-----1,2-Dibromo-3-chloropropane	8	U
120-82-1-----1,2,4-Trichlorobenzene	8	U
87-68-3-----Hexachlorobutadiene	8	U
91-20-3-----Naphthalene	10	B
87-61-6-----1,2,3-Trichlorobenzene	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3/4 4-8'

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: F1104-01B

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

Lab File ID: V5H9815

Level: (low/med) MED

Date Received: 08/10/07

% 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)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	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
75-35-4-----	1,1-Dichloroethene	340	U
67-64-1-----	Acetone	340	U
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	U
79-00-5-----	1,1,2-Trichloroethane	340	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3/4 4-8'

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: F1104-01B

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

Lab File ID: V5H9815

Level: (low/med) MED

Date Received: 08/10/07

% 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)

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

142-28-9-----	1,3-Dichloropropane	340	U
127-18-4-----	Tetrachloroethene	340	U
591-78-6-----	2-Hexanone	340	U
124-48-1-----	Dibromochloromethane	340	U
106-93-4-----	1,2-Dibromoethane	340	U
108-90-7-----	Chlorobenzene	340	U
630-20-6-----	1,1,1,2-Tetrachloroethane	340	U
100-41-4-----	Ethylbenzene	3200	
-----	m,p-Xylene	16000	
95-47-6-----	o-Xylene	13000	
1330-20-7-----	Xylene (Total)	29000	
100-42-5-----	Styrene	340	U
75-25-2-----	Bromoform	340	U
98-82-8-----	Isopropylbenzene	3900	
79-34-5-----	1,1,2,2-Tetrachloroethane	340	U
108-86-1-----	Bromobenzene	340	U
96-18-4-----	1,2,3-Trichloropropane	340	U
103-65-1-----	n-Propylbenzene	6300	
95-49-8-----	2-Chlorotoluene	340	U
108-67-8-----	1,3,5-Trimethylbenzene	71000	E
106-43-4-----	4-Chlorotoluene	340	U
98-06-6-----	tert-Butylbenzene	340	U
95-63-6-----	1,2,4-Trimethylbenzene	88000	E
135-98-8-----	sec-Butylbenzene	18000	E
99-87-6-----	4-Isopropyltoluene	340	U
541-73-1-----	1,3-Dichlorobenzene	340	U
106-46-7-----	1,4-Dichlorobenzene	340	U
104-51-8-----	n-Butylbenzene	40000	E
95-50-1-----	1,2-Dichlorobenzene	4200	
96-12-8-----	1,2-Dibromo-3-chloropropane	340	U
120-82-1-----	1,2,4-Trichlorobenzene	340	U
87-68-3-----	Hexachlorobutadiene	340	U
91-20-3-----	Naphthalene	17000	E
87-61-6-----	1,2,3-Trichlorobenzene	340	U

FORM I VOA

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3/4 4-8' DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

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

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

Dilution Factor: 10.0

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-----	Dichlorodifluoromethane	3400	U
74-87-3-----	Chloromethane	3400	U
75-01-4-----	Vinyl Chloride	3400	U
74-83-9-----	Bromomethane	3400	U
75-00-3-----	Chloroethane	3400	U
75-69-4-----	Trichlorofluoromethane	3400	U
75-35-4-----	1,1-Dichloroethene	3400	U
67-64-1-----	Acetone	3400	U
74-88-4-----	Iodomethane	3400	U
75-15-0-----	Carbon Disulfide	3400	U
75-09-2-----	Methylene Chloride	3400	U
156-60-5-----	trans-1,2-Dichloroethene	3400	U
1634-04-4-----	Methyl tert-butyl ether	3400	U
75-34-3-----	1,1-Dichloroethane	3400	U
108-05-4-----	Vinyl acetate	3400	U
78-93-3-----	2-Butanone	3400	U
156-59-2-----	cis-1,2-Dichloroethene	3400	U
590-20-7-----	2,2-Dichloropropane	3400	U
74-97-5-----	Bromochloromethane	3400	U
67-66-3-----	Chloroform	3400	U
71-55-6-----	1,1,1-Trichloroethane	3400	U
563-58-6-----	1,1-Dichloropropene	3400	U
56-23-5-----	Carbon Tetrachloride	3400	U
107-06-2-----	1,2-Dichloroethane	3400	U
71-43-2-----	Benzene	3400	U
79-01-6-----	Trichloroethene	3400	U
78-87-5-----	1,2-Dichloropropane	3400	U
74-95-3-----	Dibromomethane	3400	U
75-27-4-----	Bromodichloromethane	3400	U
10061-01-5-----	cis-1,3-Dichloropropene	3400	U
108-10-1-----	4-Methyl-2-pentanone	3400	U
108-88-3-----	Toluene	3400	U
10061-02-6-----	trans-1,3-Dichloropropene	3400	U
79-00-5-----	1,1,2-Trichloroethane	3400	U

FORM I VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3/4 4-8'DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

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

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

Dilution Factor: 10.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

142-28-9-----	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
75-25-2-----	Bromoform	3400	U
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
541-73-1-----	1,3-Dichlorobenzene	3400	U
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
120-82-1-----	1,2,4-Trichlorobenzene	3400	U
87-68-3-----	Hexachlorobutadiene	3400	U
91-20-3-----	Naphthalene	18000	D
87-61-6-----	1,2,3-Trichlorobenzene	3400	U

FORM I VOA

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3/4 8-12'

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: F1104-02B

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)

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

75-71-8-----	Dichlorodifluoromethane	50	U
74-87-3-----	Chloromethane	50	U
75-01-4-----	Vinyl Chloride	50	U
74-83-9-----	Bromomethane	50	U
75-00-3-----	Chloroethane	50	U
75-69-4-----	Trichlorofluoromethane	50	U
75-35-4-----	1,1-Dichloroethene	50	U
67-64-1-----	Acetone	49	J
74-88-4-----	Iodomethane	50	U
75-15-0-----	Carbon Disulfide	50	U
75-09-2-----	Methylene Chloride	50	U
156-60-5-----	trans-1,2-Dichloroethene	50	U
1634-04-4-----	Methyl tert-butyl ether	50	U
75-34-3-----	1,1-Dichloroethane	50	U
108-05-4-----	Vinyl acetate	50	U
78-93-3-----	2-Butanone	50	U
156-59-2-----	cis-1,2-Dichloroethene	50	U
590-20-7-----	2,2-Dichloropropane	50	U
74-97-5-----	Bromochloromethane	50	U
67-66-3-----	Chloroform	50	U
71-55-6-----	1,1,1-Trichloroethane	50	U
563-58-6-----	1,1-Dichloropropene	50	U
56-23-5-----	Carbon Tetrachloride	50	U
107-06-2-----	1,2-Dichloroethane	50	U
71-43-2-----	Benzene	50	U
79-01-6-----	Trichloroethene	50	U
78-87-5-----	1,2-Dichloropropane	50	U
74-95-3-----	Dibromomethane	50	U
75-27-4-----	Bromodichloromethane	50	U
10061-01-5-----	cis-1,3-Dichloropropene	50	U
108-10-1-----	4-Methyl-2-pentanone	50	U
108-88-3-----	Toluene	110	
10061-02-6-----	trans-1,3-Dichloropropene	50	U
79-00-5-----	1,1,2-Trichloroethane	50	U

FORM I VOA

OLM03.0

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3/4 8-12'

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: F1104-02B

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)

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

142-28-9-----	1,3-Dichloropropane	50	U
127-18-4-----	Tetrachloroethene	50	U
591-78-6-----	2-Hexanone	50	U
124-48-1-----	Dibromochloromethane	50	U
106-93-4-----	1,2-Dibromoethane	50	U
108-90-7-----	Chlorobenzene	50	U
630-20-6-----	1,1,1,2-Tetrachloroethane	50	U
100-41-4-----	Ethylbenzene	640	
-----	m,p-Xylene	2700	
95-47-6-----	o-Xylene	1500	
1330-20-7-----	Xylene (Total)	4200	
100-42-5-----	Styrene	50	U
75-25-2-----	Bromoform	50	U
98-82-8-----	Isopropylbenzene	390	
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U
108-86-1-----	Bromobenzene	50	U
96-18-4-----	1,2,3-Trichloropropane	50	U
103-65-1-----	n-Propylbenzene	700	
95-49-8-----	2-Chlorotoluene	50	U
108-67-8-----	1,3,5-Trimethylbenzene	3400	E
106-43-4-----	4-Chlorotoluene	50	U
98-06-6-----	tert-Butylbenzene	50	U
95-63-6-----	1,2,4-Trimethylbenzene	5900	E
135-98-8-----	sec-Butylbenzene	760	
99-87-6-----	4-Isopropyltoluene	1300	
541-73-1-----	1,3-Dichlorobenzene	50	U
106-46-7-----	1,4-Dichlorobenzene	50	U
104-51-8-----	n-Butylbenzene	50	U
95-50-1-----	1,2-Dichlorobenzene	310	
96-12-8-----	1,2-Dibromo-3-chloropropane	50	U
120-82-1-----	1,2,4-Trichlorobenzene	50	U
87-68-3-----	Hexachlorobutadiene	50	U
91-20-3-----	Naphthalene	1400	
87-61-6-----	1,2,3-Trichlorobenzene	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3/4 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: F1104-02BDL

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V5H9816

Level: (low/med) MED

Date Received: 08/10/07

% 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)

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

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
67-64-1-----	Acetone	350	U
74-88-4-----	Iodomethane	350	U
75-15-0-----	Carbon Disulfide	350	U
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
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
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	130	DJ
10061-02-6-----	trans-1,3-Dichloropropene	350	U
79-00-5-----	1,1,2-Trichloroethane	350	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3/4 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: F1104-02BDL

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: V5H9816

Level: (low/med) MED

Date Received: 08/10/07

% 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)

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

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	1000	D
-----	m,p-Xylene	3200	D
95-47-6-----	o-Xylene	2300	D
1330-20-7-----	Xylene (Total)	5500	D
100-42-5-----	Styrene	350	U
75-25-2-----	Bromoform	350	U
98-82-8-----	Isopropylbenzene	770	D
79-34-5-----	1,1,2,2-Tetrachloroethane	350	U
108-86-1-----	Bromobenzene	350	U
96-18-4-----	1,2,3-Trichloropropane	350	U
103-65-1-----	n-Propylbenzene	1600	D
95-49-8-----	2-Chlorotoluene	350	U
108-67-8-----	1,3,5-Trimethylbenzene	8200	D
106-43-4-----	4-Chlorotoluene	350	U
98-06-6-----	tert-Butylbenzene	350	U
95-63-6-----	1,2,4-Trimethylbenzene	11000	D
135-98-8-----	sec-Butylbenzene	2400	D
99-87-6-----	4-Isopropyltoluene	4500	D
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
104-51-8-----	n-Butylbenzene	7400	D
95-50-1-----	1,2-Dichlorobenzene	490	D
96-12-8-----	1,2-Dibromo-3-chloropropane	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
87-68-3-----	Hexachlorobutadiene	350	U
91-20-3-----	Naphthalene	2200	D
87-61-6-----	1,2,3-Trichlorobenzene	350	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

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) MED

Date Received: 08/10/07

% 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)

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

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
67-64-1-----	Acetone	350	U
74-88-4-----	Iodomethane	350	U
75-15-0-----	Carbon Disulfide	350	U
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
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
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	350	U
10061-02-6-----	trans-1,3-Dichloropropene	350	U
79-00-5-----	1,1,2-Trichloroethane	350	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW-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) MED

Date Received: 08/10/07

% 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)

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

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	1600	
1330-20-7-----	Xylene (Total)	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	U
108-86-1-----	Bromobenzene	350	U
96-18-4-----	1,2,3-Trichloropropane	350	U
103-65-1-----	n-Propylbenzene	2200	
95-49-8-----	2-Chlorotoluene	350	U
108-67-8-----	1,3,5-Trimethylbenzene	7600	
106-43-4-----	4-Chlorotoluene	350	U
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	U
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	350	U

FORM I VOA

OLM03.0

0058

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3 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: F1104-17BDL

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
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	690	U
74-87-3-----	Chloromethane	690	U
75-01-4-----	Vinyl Chloride	690	U
74-83-9-----	Bromomethane	690	U
75-00-3-----	Chloroethane	690	U
75-69-4-----	Trichlorofluoromethane	690	U
75-35-4-----	1,1-Dichloroethene	690	U
67-64-1-----	Acetone	690	U
74-88-4-----	Iodomethane	690	U
75-15-0-----	Carbon Disulfide	690	U
75-09-2-----	Methylene Chloride	690	U
156-60-5-----	trans-1,2-Dichloroethene	690	U
1634-04-4-----	Methyl tert-butyl ether	690	U
75-34-3-----	1,1-Dichloroethane	690	U
108-05-4-----	Vinyl acetate	690	U
78-93-3-----	2-Butanone	690	U
156-59-2-----	cis-1,2-Dichloroethene	690	U
590-20-7-----	2,2-Dichloropropane	690	U
74-97-5-----	Bromochloromethane	690	U
67-66-3-----	Chloroform	690	U
71-55-6-----	1,1,1-Trichloroethane	690	U
563-58-6-----	1,1-Dichloropropene	690	U
56-23-5-----	Carbon Tetrachloride	690	U
107-06-2-----	1,2-Dichloroethane	690	U
71-43-2-----	Benzene	690	U
79-01-6-----	Trichloroethene	690	U
78-87-5-----	1,2-Dichloropropane	690	U
74-95-3-----	Dibromomethane	690	U
75-27-4-----	Bromodichloromethane	690	U
10061-01-5-----	cis-1,3-Dichloropropene	690	U
108-10-1-----	4-Methyl-2-pentanone	690	U
108-88-3-----	Toluene	690	U
10061-02-6-----	trans-1,3-Dichloropropene	690	U
79-00-5-----	1,1,2-Trichloroethane	690	U

FORM I VOA

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3 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: F1104-17BDL

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
142-28-9-----	1,3-Dichloropropane	690	U
127-18-4-----	Tetrachloroethene	690	U
591-78-6-----	2-Hexanone	690	U
124-48-1-----	Dibromochloromethane	690	U
106-93-4-----	1,2-Dibromoethane	690	U
108-90-7-----	Chlorobenzene	690	U
630-20-6-----	1,1,1,2-Tetrachloroethane	690	U
100-41-4-----	Ethylbenzene	380	DJ
-----	m,p-Xylene	1400	D
95-47-6-----	o-Xylene	970	D
1330-20-7-----	Xylene (Total)	2400	D
100-42-5-----	Styrene	690	U
75-25-2-----	Bromoform	690	U
98-82-8-----	Isopropylbenzene	430	DJ
79-34-5-----	1,1,2,2-Tetrachloroethane	690	U
108-86-1-----	Bromobenzene	690	U
96-18-4-----	1,2,3-Trichloropropane	690	U
103-65-1-----	n-Propylbenzene	1000	D
95-49-8-----	2-Chlorotoluene	690	U
108-67-8-----	1,3,5-Trimethylbenzene	4400	D
106-43-4-----	4-Chlorotoluene	690	U
98-06-6-----	tert-Butylbenzene	690	U
95-63-6-----	1,2,4-Trimethylbenzene	9000	D
135-98-8-----	sec-Butylbenzene	1600	D
99-87-6-----	4-Isopropyltoluene	2700	D
541-73-1-----	1,3-Dichlorobenzene	690	U
106-46-7-----	1,4-Dichlorobenzene	690	U
104-51-8-----	n-Butylbenzene	6000	D
95-50-1-----	1,2-Dichlorobenzene	690	U
96-12-8-----	1,2-Dibromo-3-chloropropane	690	U
120-82-1-----	1,2,4-Trichlorobenzene	690	U
87-68-3-----	Hexachlorobutadiene	690	U
91-20-3-----	Naphthalene	2000	D
87-61-6-----	1,2,3-Trichlorobenzene	690	U

1A
VOLATILE 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: F1104-06B

Sample wt/vol: 5.1 (g/mL) G

Lab File ID: VLI8923

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)

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

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

1A
VOLATILE 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: F1104-06B

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)

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	6	U
127-18-4	Tetrachloroethene	6	U
591-78-6	2-Hexanone	6	U
124-48-1	Dibromochloromethane	6	U
106-93-4	1,2-Dibromoethane	6	U
108-90-7	Chlorobenzene	6	U
630-20-6	1,1,1,2-Tetrachloroethane	6	U
100-41-4	Ethylbenzene	24	
	m,p-Xylene	110	
95-47-6	o-Xylene	51	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	1	J
75-25-2	Bromoform	6	U
98-82-8	Isopropylbenzene	5	J
79-34-5	1,1,2,2-Tetrachloroethane	6	U
108-86-1	Bromobenzene	6	U
96-18-4	1,2,3-Trichloropropane	6	U
103-65-1	n-Propylbenzene	8	
95-49-8	2-Chlorotoluene	6	U
108-67-8	1,3,5-Trimethylbenzene	29	
106-43-4	4-Chlorotoluene	6	U
98-06-6	tert-Butylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	80	
135-98-8	sec-Butylbenzene	6	
99-87-6	4-Isopropyltoluene	8	
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
104-51-8	n-Butylbenzene	15	
95-50-1	1,2-Dichlorobenzene	2	J
96-12-8	1,2-Dibromo-3-chloropropane	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
87-68-3	Hexachlorobutadiene	6	U
91-20-3	Naphthalene	18	B
87-61-6	1,2,3-Trichlorobenzene	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-4 4-8'

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: F1104-04B

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

Lab File ID: VLI8634

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: not dec. 15

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
---------	----------	---	---

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-4 4-8'

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: F1104-04B

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

Lab File ID: V1I8634

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: not dec. 15

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
---------	----------	---	---

142-28-9-----	1,3-Dichloropropane	6	U
127-18-4-----	Tetrachloroethene	6	U
591-78-6-----	2-Hexanone	6	U
124-48-1-----	Dibromochloromethane	6	U
106-93-4-----	1,2-Dibromoethane	6	U
108-90-7-----	Chlorobenzene	6	U
630-20-6-----	1,1,1,2-Tetrachloroethane	6	U
100-41-4-----	Ethylbenzene	6	U
-----	m,p-Xylene	2	J
95-47-6-----	o-Xylene	29	
1330-20-7-----	Xylene (Total)	32	
100-42-5-----	Styrene	6	U
75-25-2-----	Bromoform	6	U
98-82-8-----	Isopropylbenzene	6	U
79-34-5-----	1,1,2,2-Tetrachloroethane	6	U
108-86-1-----	Bromobenzene	6	U
96-18-4-----	1,2,3-Trichloropropane	6	U
103-65-1-----	n-Propylbenzene	6	U
95-49-8-----	2-Chlorotoluene	6	U
108-67-8-----	1,3,5-Trimethylbenzene	75	
106-43-4-----	4-Chlorotoluene	6	U
98-06-6-----	tert-Butylbenzene	6	U
95-63-6-----	1,2,4-Trimethylbenzene	7	
135-98-8-----	sec-Butylbenzene	6	U
99-87-6-----	4-Isopropyltoluene	4	J
541-73-1-----	1,3-Dichlorobenzene	6	U
106-46-7-----	1,4-Dichlorobenzene	6	U
104-51-8-----	n-Butylbenzene	6	U
95-50-1-----	1,2-Dichlorobenzene	12	
96-12-8-----	1,2-Dibromo-3-chloropropane	6	U
120-82-1-----	1,2,4-Trichlorobenzene	6	U
87-68-3-----	Hexachlorobutadiene	6	U
91-20-3-----	Naphthalene	3	J
87-61-6-----	1,2,3-Trichlorobenzene	6	U

FORM I VOA

OLM03.0

0064

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW-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)

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

75-71-8-----	Dichlorodifluoromethane	62	U
74-87-3-----	Chloromethane	62	U
75-01-4-----	Vinyl Chloride	62	U
74-83-9-----	Bromomethane	62	U
75-00-3-----	Chloroethane	62	U
75-69-4-----	Trichlorofluoromethane	62	U
75-35-4-----	1,1-Dichloroethene	62	U
67-64-1-----	Acetone	95	
74-88-4-----	Iodomethane	62	U
75-15-0-----	Carbon Disulfide	62	U
75-09-2-----	Methylene Chloride	62	U
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
108-05-4-----	Vinyl acetate	62	U
78-93-3-----	2-Butanone	62	U
156-59-2-----	cis-1,2-Dichloroethene	62	U
590-20-7-----	2,2-Dichloropropane	62	U
74-97-5-----	Bromochloromethane	62	U
67-66-3-----	Chloroform	62	U
71-55-6-----	1,1,1-Trichloroethane	62	U
563-58-6-----	1,1-Dichloropropene	62	U
56-23-5-----	Carbon Tetrachloride	62	U
107-06-2-----	1,2-Dichloroethane	62	U
71-43-2-----	Benzene	62	U
79-01-6-----	Trichloroethene	62	U
78-87-5-----	1,2-Dichloropropane	62	U
74-95-3-----	Dibromomethane	62	U
75-27-4-----	Bromodichloromethane	62	U
10061-01-5-----	cis-1,3-Dichloropropene	62	U
108-10-1-----	4-Methyl-2-pentanone	62	U
108-88-3-----	Toluene	62	U
10061-02-6-----	trans-1,3-Dichloropropene	62	U
79-00-5-----	1,1,2-Trichloroethane	62	U

FORM I VOA

OLM03.0

0005

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: VLI8635

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)

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

142-28-9-----	1,3-Dichloropropane	62	U
127-18-4-----	Tetrachloroethene	62	U
591-78-6-----	2-Hexanone	62	U
124-48-1-----	Dibromochloromethane	62	U
106-93-4-----	1,2-Dibromoethane	62	U
108-90-7-----	Chlorobenzene	62	U
630-20-6-----	1,1,1,2-Tetrachloroethane	62	U
100-41-4-----	Ethylbenzene	200	
-----	m,p-Xylene	1100	
95-47-6-----	o-Xylene	640	
1330-20-7-----	Xylene (Total)	1800	
100-42-5-----	Styrene	17	J
75-25-2-----	Bromoform	62	U
98-82-8-----	Isopropylbenzene	230	
79-34-5-----	1,1,2,2-Tetrachloroethane	62	U
108-86-1-----	Bromobenzene	62	U
96-18-4-----	1,2,3-Trichloropropane	62	U
103-65-1-----	n-Propylbenzene	540	
95-49-8-----	2-Chlorotoluene	62	U
108-67-8-----	1,3,5-Trimethylbenzene	1900	
106-43-4-----	4-Chlorotoluene	62	U
98-06-6-----	tert-Butylbenzene	62	U
95-63-6-----	1,2,4-Trimethylbenzene	4400	E
135-98-8-----	sec-Butylbenzene	590	
99-87-6-----	4-Isopropyltoluene	780	
541-73-1-----	1,3-Dichlorobenzene	62	U
106-46-7-----	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
120-82-1-----	1,2,4-Trichlorobenzene	62	U
87-68-3-----	Hexachlorobutadiene	62	U
91-20-3-----	Naphthalene	700	
87-61-6-----	1,2,3-Trichlorobenzene	62	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

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 (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 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
---------	----------	---	---

75-71-8-----	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

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 (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 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
---------	----------	---	---

142-28-9-----	1,3-Dichloropropane	370	U
127-18-4-----	Tetrachloroethene	370	U
591-78-6-----	2-Hexanone	370	U
124-48-1-----	Dibromochloromethane	370	U
106-93-4-----	1,2-Dibromoethane	370	U
108-90-7-----	Chlorobenzene	370	U
630-20-6-----	1,1,1,2-Tetrachloroethane	370	U
100-41-4-----	Ethylbenzene	370	U
-----	m,p-Xylene	260	DJ
95-47-6-----	o-Xylene	150	DJ
1330-20-7-----	Xylene (Total)	410	D
100-42-5-----	Styrene	370	U
75-25-2-----	Bromoform	370	U
98-82-8-----	Isopropylbenzene	140	DJ
79-34-5-----	1,1,2,2-Tetrachloroethane	370	U
108-86-1-----	Bromobenzene	370	U
96-18-4-----	1,2,3-Trichloropropane	370	U
103-65-1-----	n-Propylbenzene	410	D
95-49-8-----	2-Chlorotoluene	370	U
108-67-8-----	1,3,5-Trimethylbenzene	1800	D
106-43-4-----	4-Chlorotoluene	370	U
98-06-6-----	tert-Butylbenzene	370	U
95-63-6-----	1,2,4-Trimethylbenzene	4300	D
135-98-8-----	sec-Butylbenzene	740	D
99-87-6-----	4-Isopropyltoluene	1200	D
541-73-1-----	1,3-Dichlorobenzene	370	U
106-46-7-----	1,4-Dichlorobenzene	370	U
104-51-8-----	n-Butylbenzene	2600	D
95-50-1-----	1,2-Dichlorobenzene	370	U
96-12-8-----	1,2-Dibromo-3-chloropropane	370	U
120-82-1-----	1,2,4-Trichlorobenzene	370	U
87-68-3-----	Hexachlorobutadiene	370	U
91-20-3-----	Naphthalene	360	DJ
87-61-6-----	1,2,3-Trichlorobenzene	370	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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 Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

75-71-8-----	Dichlorodifluoromethane	53	
74-87-3-----	Chloromethane	44	
75-01-4-----	Vinyl Chloride	47	
74-83-9-----	Bromomethane	48	
75-00-3-----	Chloroethane	46	
75-69-4-----	Trichlorofluoromethane	47	
75-35-4-----	1,1-Dichloroethene	46	
67-64-1-----	Acetone	49	
74-88-4-----	Iodomethane	50	
75-15-0-----	Carbon Disulfide	48	
75-09-2-----	Methylene Chloride	49	
156-60-5-----	trans-1,2-Dichloroethene	50	
1634-04-4-----	Methyl tert-butyl ether	49	
75-34-3-----	1,1-Dichloroethane	50	
108-05-4-----	Vinyl acetate	54	
78-93-3-----	2-Butanone	56	
156-59-2-----	cis-1,2-Dichloroethene	49	
590-20-7-----	2,2-Dichloropropane	51	
74-97-5-----	Bromochloromethane	50	
67-66-3-----	Chloroform	49	
71-55-6-----	1,1,1-Trichloroethane	51	
563-58-6-----	1,1-Dichloropropene	53	
56-23-5-----	Carbon Tetrachloride	51	
107-06-2-----	1,2-Dichloroethane	50	
71-43-2-----	Benzene	50	
79-01-6-----	Trichloroethene	51	
78-87-5-----	1,2-Dichloropropane	50	
74-95-3-----	Dibromomethane	52	
75-27-4-----	Bromodichloromethane	50	
10061-01-5-----	cis-1,3-Dichloropropene	51	
108-10-1-----	4-Methyl-2-pentanone	57	
108-88-3-----	Toluene	51	
10061-02-6-----	trans-1,3-Dichloropropene	52	
79-00-5-----	1,1,2-Trichloroethane	52	

FORM I VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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 Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

142-28-9-----1,3-Dichloropropane	51	
127-18-4-----Tetrachloroethene	51	
591-78-6-----2-Hexanone	57	
124-48-1-----Dibromochloromethane	51	
106-93-4-----1,2-Dibromoethane	52	
108-90-7-----Chlorobenzene	50	
630-20-6-----1,1,1,2-Tetrachloroethane	49	
100-41-4-----Ethylbenzene	52	
-----m,p-Xylene	100	
95-47-6-----o-Xylene	54	
1330-20-7-----Xylene (Total)	160	
100-42-5-----Styrene	54	
75-25-2-----Bromoform	52	
98-82-8-----Isopropylbenzene	54	
79-34-5-----1,1,2,2-Tetrachloroethane	54	
108-86-1-----Bromobenzene	52	
96-18-4-----1,2,3-Trichloropropane	55	
103-65-1-----n-Propylbenzene	54	
95-49-8-----2-Chlorotoluene	53	
108-67-8-----1,3,5-Trimethylbenzene	54	
106-43-4-----4-Chlorotoluene	54	
98-06-6-----tert-Butylbenzene	54	
95-63-6-----1,2,4-Trimethylbenzene	53	
135-98-8-----sec-Butylbenzene	54	
99-87-6-----4-Isopropyltoluene	55	
541-73-1-----1,3-Dichlorobenzene	52	
106-46-7-----1,4-Dichlorobenzene	48	
104-51-8-----n-Butylbenzene	55	
95-50-1-----1,2-Dichlorobenzene	51	
96-12-8-----1,2-Dibromo-3-chloropropane	53	
120-82-1-----1,2,4-Trichlorobenzene	52	
87-68-3-----Hexachlorobutadiene	49	
91-20-3-----Naphthalene	55	
87-61-6-----1,2,3-Trichlorobenzene	51	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIULCS

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: VLI8883

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
---------	----------	---	---

75-71-8-----	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-----	Acetone	41	
74-88-4-----	Iodomethane	50	
75-15-0-----	Carbon Disulfide	53	
75-09-2-----	Methylene Chloride	50	
156-60-5-----	trans-1,2-Dichloroethene	52	
1634-04-4-----	Methyl tert-butyl ether	55	
75-34-3-----	1,1-Dichloroethane	52	
108-05-4-----	Vinyl acetate	52	
78-93-3-----	2-Butanone	52	
156-59-2-----	cis-1,2-Dichloroethene	50	
590-20-7-----	2,2-Dichloropropane	51	
74-97-5-----	Bromochloromethane	51	
67-66-3-----	Chloroform	50	
71-55-6-----	1,1,1-Trichloroethane	52	
563-58-6-----	1,1-Dichloropropene	54	
56-23-5-----	Carbon Tetrachloride	53	
107-06-2-----	1,2-Dichloroethane	52	
71-43-2-----	Benzene	52	
79-01-6-----	Trichloroethene	50	
78-87-5-----	1,2-Dichloropropane	52	
74-95-3-----	Dibromomethane	52	
75-27-4-----	Bromodichloromethane	52	
10061-01-5-----	cis-1,3-Dichloropropene	51	
108-10-1-----	4-Methyl-2-pentanone	51	
108-88-3-----	Toluene	51	
10061-02-6-----	trans-1,3-Dichloropropene	52	
79-00-5-----	1,1,2-Trichloroethane	52	

FORM I VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1ULCS

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)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

142-28-9-----	1,3-Dichloropropane	52	
127-18-4-----	Tetrachloroethene	51	
591-78-6-----	2-Hexanone	51	
124-48-1-----	Dibromochloromethane	52	
106-93-4-----	1,2-Dibromoethane	53	
108-90-7-----	Chlorobenzene	52	
630-20-6-----	1,1,1,2-Tetrachloroethane	50	
100-41-4-----	Ethylbenzene	52	
-----	m,p-Xylene	100	
95-47-6-----	o-Xylene	53	
1330-20-7-----	Xylene (Total)	160	
100-42-5-----	Styrene	53	
75-25-2-----	Bromoform	52	
98-82-8-----	Isopropylbenzene	54	
79-34-5-----	1,1,2,2-Tetrachloroethane	56	
108-86-1-----	Bromobenzene	51	
96-18-4-----	1,2,3-Trichloropropane	54	
103-65-1-----	n-Propylbenzene	53	
95-49-8-----	2-Chlorotoluene	53	
108-67-8-----	1,3,5-Trimethylbenzene	54	
106-43-4-----	4-Chlorotoluene	52	
98-06-6-----	tert-Butylbenzene	53	
95-63-6-----	1,2,4-Trimethylbenzene	54	
135-98-8-----	sec-Butylbenzene	56	
99-87-6-----	4-Isopropyltoluene	54	
541-73-1-----	1,3-Dichlorobenzene	53	
106-46-7-----	1,4-Dichlorobenzene	52	
104-51-8-----	n-Butylbenzene	53	
95-50-1-----	1,2-Dichlorobenzene	52	
96-12-8-----	1,2-Dibromo-3-chloropropane	54	
120-82-1-----	1,2,4-Trichlorobenzene	54	
87-68-3-----	Hexachlorobutadiene	54	
91-20-3-----	Naphthalene	51	B
87-61-6-----	1,2,3-Trichlorobenzene	52	

FORM I VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1WLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: LCS-31817

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

Lab File ID: V1I8910

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	46	
74-87-3-----	Chloromethane	52	
75-01-4-----	Vinyl Chloride	51	
74-83-9-----	Bromomethane	51	
75-00-3-----	Chloroethane	50	
75-69-4-----	Trichlorofluoromethane	57	
75-35-4-----	1,1-Dichloroethene	50	
67-64-1-----	Acetone	33	
74-88-4-----	Iodomethane	52	
75-15-0-----	Carbon Disulfide	50	
75-09-2-----	Methylene Chloride	52	
156-60-5-----	trans-1,2-Dichloroethene	52	
1634-04-4-----	Methyl tert-butyl ether	52	
75-34-3-----	1,1-Dichloroethane	54	
108-05-4-----	Vinyl acetate	52	
78-93-3-----	2-Butanone	47	
156-59-2-----	cis-1,2-Dichloroethene	50	
590-20-7-----	2,2-Dichloropropane	48	
74-97-5-----	Bromochloromethane	52	
67-66-3-----	Chloroform	51	
71-55-6-----	1,1,1-Trichloroethane	52	
563-58-6-----	1,1-Dichloropropene	52	
56-23-5-----	Carbon Tetrachloride	52	
107-06-2-----	1,2-Dichloroethane	54	
71-43-2-----	Benzene	54	
79-01-6-----	Trichloroethene	48	
78-87-5-----	1,2-Dichloropropane	55	
74-95-3-----	Dibromomethane	55	
75-27-4-----	Bromodichloromethane	52	
10061-01-5-----	cis-1,3-Dichloropropene	53	
108-10-1-----	4-Methyl-2-pentanone	56	
108-88-3-----	Toluene	51	
10061-02-6-----	trans-1,3-Dichloropropene	53	
79-00-5-----	1,1,2-Trichloroethane	54	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1WLCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: LCS-31817

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

Lab File ID: V1I8910

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)

CONCENTRATION UNITS:

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

142-28-9-----	1,3-Dichloropropane	54	
127-18-4-----	Tetrachloroethene	54	
591-78-6-----	2-Hexanone	50	
124-48-1-----	Dibromochloromethane	52	
106-93-4-----	1,2-Dibromoethane	54	
108-90-7-----	Chlorobenzene	51	
630-20-6-----	1,1,1,2-Tetrachloroethane	51	
100-41-4-----	Ethylbenzene	51	
-----	m,p-Xylene	100	
95-47-6-----	o-Xylene	52	
1330-20-7-----	Xylene (Total)	150	
100-42-5-----	Styrene	52	
75-25-2-----	Bromoform	53	
98-82-8-----	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	
106-43-4-----	4-Chlorotoluene	49	
98-06-6-----	tert-Butylbenzene	48	
95-63-6-----	1,2,4-Trimethylbenzene	51	
135-98-8-----	sec-Butylbenzene	50	
99-87-6-----	4-Isopropyltoluene	49	
541-73-1-----	1,3-Dichlorobenzene	49	
106-46-7-----	1,4-Dichlorobenzene	50	
104-51-8-----	n-Butylbenzene	50	
95-50-1-----	1,2-Dichlorobenzene	51	
96-12-8-----	1,2-Dibromo-3-chloropropane	55	
120-82-1-----	1,2,4-Trichlorobenzene	51	
87-68-3-----	Hexachlorobutadiene	52	
91-20-3-----	Naphthalene	53	B
87-61-6-----	1,2,3-Trichlorobenzene	53	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1WLCSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case 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 ID: V1I8911

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)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

75-71-8-----	Dichlorodifluoromethane	52	
74-87-3-----	Chloromethane	45	
75-01-4-----	Vinyl Chloride	54	
74-83-9-----	Bromomethane	51	
75-00-3-----	Chloroethane	57	
75-69-4-----	Trichlorofluoromethane	54	
75-35-4-----	1,1-Dichloroethene	47	
67-64-1-----	Acetone	30	
74-88-4-----	Iodomethane	50	
75-15-0-----	Carbon Disulfide	49	
75-09-2-----	Methylene Chloride	48	
156-60-5-----	trans-1,2-Dichloroethene	51	
1634-04-4-----	Methyl tert-butyl ether	50	
75-34-3-----	1,1-Dichloroethane	53	
108-05-4-----	Vinyl acetate	50	
78-93-3-----	2-Butanone	46	
156-59-2-----	cis-1,2-Dichloroethene	50	
590-20-7-----	2,2-Dichloropropane	46	
74-97-5-----	Bromochloromethane	53	
67-66-3-----	Chloroform	52	
71-55-6-----	1,1,1-Trichloroethane	52	
563-58-6-----	1,1-Dichloropropene	54	
56-23-5-----	Carbon Tetrachloride	52	
107-06-2-----	1,2-Dichloroethane	53	
71-43-2-----	Benzene	53	
79-01-6-----	Trichloroethene	48	
78-87-5-----	1,2-Dichloropropane	55	
74-95-3-----	Dibromomethane	56	
75-27-4-----	Bromodichloromethane	54	
10061-01-5-----	cis-1,3-Dichloropropene	54	
108-10-1-----	4-Methyl-2-pentanone	55	
108-88-3-----	Toluene	52	
10061-02-6-----	trans-1,3-Dichloropropene	53	
79-00-5-----	1,1,2-Trichloroethane	52	

FORM I VOA

OLM03.0

0075

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V1WLCSD

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case 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 ID: V1I8911

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
---------	----------	---	---

142-28-9-----	1,3-Dichloropropane	56	
127-18-4-----	Tetrachloroethene	57	
591-78-6-----	2-Hexanone	49	
124-48-1-----	Dibromochloromethane	54	
106-93-4-----	1,2-Dibromoethane	54	
108-90-7-----	Chlorobenzene	54	
630-20-6-----	1,1,1,2-Tetrachloroethane	54	
100-41-4-----	Ethylbenzene	54	
-----	m,p-Xylene	110	
95-47-6-----	o-Xylene	54	
1330-20-7-----	Xylene (Total)	160	
100-42-5-----	Styrene	54	
75-25-2-----	Bromoform	55	
98-82-8-----	Isopropylbenzene	55	
79-34-5-----	1,1,2,2-Tetrachloroethane	55	
108-86-1-----	Bromobenzene	49	
96-18-4-----	1,2,3-Trichloropropane	52	
103-65-1-----	n-Propylbenzene	52	
95-49-8-----	2-Chlorotoluene	53	
108-67-8-----	1,3,5-Trimethylbenzene	52	
106-43-4-----	4-Chlorotoluene	52	
98-06-6-----	tert-Butylbenzene	51	
95-63-6-----	1,2,4-Trimethylbenzene	52	
135-98-8-----	sec-Butylbenzene	53	
99-87-6-----	4-Isopropyltoluene	52	
541-73-1-----	1,3-Dichlorobenzene	51	
106-46-7-----	1,4-Dichlorobenzene	50	
104-51-8-----	n-Butylbenzene	52	
95-50-1-----	1,2-Dichlorobenzene	52	
96-12-8-----	1,2-Dibromo-3-chloropropane	56	
120-82-1-----	1,2,4-Trichlorobenzene	54	
87-68-3-----	Hexachlorobutadiene	58	
91-20-3-----	Naphthalene	54	B
87-61-6-----	1,2,3-Trichlorobenzene	56	

FORM I VOA

OLM03.0

0076

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VP5LCS

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
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	2000	
74-87-3-----	Chloromethane	2000	
75-01-4-----	Vinyl Chloride	2100	
74-83-9-----	Bromomethane	2400	
75-00-3-----	Chloroethane	2400	
75-69-4-----	Trichlorofluoromethane	2000	
75-35-4-----	1,1-Dichloroethene	2200	
67-64-1-----	Acetone	1500	
74-88-4-----	Iodomethane	2300	
75-15-0-----	Carbon Disulfide	2200	
75-09-2-----	Methylene Chloride	2400	
156-60-5-----	trans-1,2-Dichloroethene	2400	
1634-04-4-----	Methyl tert-butyl ether	2400	
75-34-3-----	1,1-Dichloroethane	2300	
108-05-4-----	Vinyl acetate	2200	
78-93-3-----	2-Butanone	2200	
156-59-2-----	cis-1,2-Dichloroethene	2400	
590-20-7-----	2,2-Dichloropropane	2300	
74-97-5-----	Bromochloromethane	2600	
67-66-3-----	Chloroform	2600	
71-55-6-----	1,1,1-Trichloroethane	2400	
563-58-6-----	1,1-Dichloropropene	2300	
56-23-5-----	Carbon Tetrachloride	2400	
107-06-2-----	1,2-Dichloroethane	2700	
71-43-2-----	Benzene	2400	
79-01-6-----	Trichloroethene	2400	
78-87-5-----	1,2-Dichloropropane	2600	
74-95-3-----	Dibromomethane	2700	
75-27-4-----	Bromodichloromethane	2500	
10061-01-5-----	cis-1,3-Dichloropropene	2500	
108-10-1-----	4-Methyl-2-pentanone	2300	
108-88-3-----	Toluene	2300	
10061-02-6-----	trans-1,3-Dichloropropene	2500	
79-00-5-----	1,1,2-Trichloroethane	2700	

FORM I VOA

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VP5LCS

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
---------	----------	---	---

142-28-9-----	1,3-Dichloropropane	2500	
127-18-4-----	Tetrachloroethene	2300	
591-78-6-----	2-Hexanone	2300	
124-48-1-----	Dibromochloromethane	2500	
106-93-4-----	1,2-Dibromoethane	2500	
108-90-7-----	Chlorobenzene	2500	
630-20-6-----	1,1,1,2-Tetrachloroethane	2600	
100-41-4-----	Ethylbenzene	2400	
-----	m,p-Xylene	4800	
95-47-6-----	o-Xylene	2400	
1330-20-7-----	Xylene (Total)	7200	
100-42-5-----	Styrene	2400	
75-25-2-----	Bromoform	2600	
98-82-8-----	Isopropylbenzene	2400	
79-34-5-----	1,1,2,2-Tetrachloroethane	2500	
108-86-1-----	Bromobenzene	2400	
96-18-4-----	1,2,3-Trichloropropane	2300	
103-65-1-----	n-Propylbenzene	2300	
95-49-8-----	2-Chlorotoluene	2400	
108-67-8-----	1,3,5-Trimethylbenzene	2400	
106-43-4-----	4-Chlorotoluene	2500	
98-06-6-----	tert-Butylbenzene	2300	
95-63-6-----	1,2,4-Trimethylbenzene	2400	
135-98-8-----	sec-Butylbenzene	2300	
99-87-6-----	4-Isopropyltoluene	2300	
541-73-1-----	1,3-Dichlorobenzene	2400	
106-46-7-----	1,4-Dichlorobenzene	2400	
104-51-8-----	n-Butylbenzene	2300	
95-50-1-----	1,2-Dichlorobenzene	2600	
96-12-8-----	1,2-Dibromo-3-chloropropane	2300	
120-82-1-----	1,2,4-Trichlorobenzene	2400	
87-68-3-----	Hexachlorobutadiene	2000	
91-20-3-----	Naphthalene	2400	
87-61-6-----	1,2,3-Trichlorobenzene	2300	

FORM I VOA

OLM03.0

0070

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VP5LCSD

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
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	2800	
74-87-3-----	Chloromethane	2900	
75-01-4-----	Vinyl Chloride	2600	
74-83-9-----	Bromomethane	2700	
75-00-3-----	Chloroethane	2700	
75-69-4-----	Trichlorofluoromethane	2600	
75-35-4-----	1,1-Dichloroethene	2500	
67-64-1-----	Acetone	1600	
74-88-4-----	Iodomethane	2600	
75-15-0-----	Carbon Disulfide	2500	
75-09-2-----	Methylene Chloride	2500	
156-60-5-----	trans-1,2-Dichloroethene	2600	
1634-04-4-----	Methyl tert-butyl ether	2500	
75-34-3-----	1,1-Dichloroethane	2600	
108-05-4-----	Vinyl acetate	2400	
78-93-3-----	2-Butanone	2400	
156-59-2-----	cis-1,2-Dichloroethene	2600	
590-20-7-----	2,2-Dichloropropane	2700	
74-97-5-----	Bromochloromethane	2700	
67-66-3-----	Chloroform	2700	
71-55-6-----	1,1,1-Trichloroethane	2700	
563-58-6-----	1,1-Dichloropropene	2700	
56-23-5-----	Carbon Tetrachloride	2800	
107-06-2-----	1,2-Dichloroethane	2800	
71-43-2-----	Benzene	2600	
79-01-6-----	Trichloroethene	2500	
78-87-5-----	1,2-Dichloropropane	2600	
74-95-3-----	Dibromomethane	2800	
75-27-4-----	Bromodichloromethane	2600	
10061-01-5-----	cis-1,3-Dichloropropene	2500	
108-10-1-----	4-Methyl-2-pentanone	2400	
108-88-3-----	Toluene	2500	
10061-02-6-----	trans-1,3-Dichloropropene	2700	
79-00-5-----	1,1,2-Trichloroethane	2600	

FORM I VOA

OLM03.0

0070

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VP5LCSD

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
---------	----------	---	---

142-28-9-----	1,3-Dichloropropane	2500	
127-18-4-----	Tetrachloroethene	2400	
591-78-6-----	2-Hexanone	2300	
124-48-1-----	Dibromochloromethane	2500	
106-93-4-----	1,2-Dibromoethane	2500	
108-90-7-----	Chlorobenzene	2500	
630-20-6-----	1,1,1,2-Tetrachloroethane	2600	
100-41-4-----	Ethylbenzene	2500	
-----	m,p-Xylene	5200	
95-47-6-----	o-Xylene	2500	
1330-20-7-----	Xylene (Total)	7700	
100-42-5-----	Styrene	2500	
75-25-2-----	Bromoform	2600	
98-82-8-----	Isopropylbenzene	2600	
79-34-5-----	1,1,2,2-Tetrachloroethane	2400	
108-86-1-----	Bromobenzene	2400	
96-18-4-----	1,2,3-Trichloropropane	2400	
103-65-1-----	n-Propylbenzene	2400	
95-49-8-----	2-Chlorotoluene	2400	
108-67-8-----	1,3,5-Trimethylbenzene	2500	
106-43-4-----	4-Chlorotoluene	2500	
98-06-6-----	tert-Butylbenzene	2500	
95-63-6-----	1,2,4-Trimethylbenzene	2500	
135-98-8-----	sec-Butylbenzene	2500	
99-87-6-----	4-Isopropyltoluene	2500	
541-73-1-----	1,3-Dichlorobenzene	2600	
106-46-7-----	1,4-Dichlorobenzene	2500	
104-51-8-----	n-Butylbenzene	2600	
95-50-1-----	1,2-Dichlorobenzene	2600	
96-12-8-----	1,2-Dibromo-3-chloropropane	2300	
120-82-1-----	1,2,4-Trichlorobenzene	2400	
87-68-3-----	Hexachlorobutadiene	2300	
91-20-3-----	Naphthalene	2400	
87-61-6-----	1,2,3-Trichlorobenzene	2400	

FORM I VOA

OLM03.0

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VR5LCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case 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 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
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	2400	
74-87-3-----	Chloromethane	2200	
75-01-4-----	Vinyl Chloride	2200	
74-83-9-----	Bromomethane	2800	
75-00-3-----	Chloroethane	2800	
75-69-4-----	Trichlorofluoromethane	2300	
75-35-4-----	1,1-Dichloroethene	2600	
67-64-1-----	Acetone	2100	
74-88-4-----	Iodomethane	2800	
75-15-0-----	Carbon Disulfide	2500	
75-09-2-----	Methylene Chloride	2600	
156-60-5-----	trans-1,2-Dichloroethene	2600	
1634-04-4-----	Methyl tert-butyl ether	2600	
75-34-3-----	1,1-Dichloroethane	2500	
108-05-4-----	Vinyl acetate	2400	
78-93-3-----	2-Butanone	2600	
156-59-2-----	cis-1,2-Dichloroethene	2600	
590-20-7-----	2,2-Dichloropropane	2700	
74-97-5-----	Bromochloromethane	2700	
67-66-3-----	Chloroform	2800	
71-55-6-----	1,1,1-Trichloroethane	2800	
563-58-6-----	1,1-Dichloropropene	2700	
56-23-5-----	Carbon Tetrachloride	2900	
107-06-2-----	1,2-Dichloroethane	3000	
71-43-2-----	Benzene	2600	
79-01-6-----	Trichloroethene	2600	
78-87-5-----	1,2-Dichloropropane	2600	
74-95-3-----	Dibromomethane	2800	
75-27-4-----	Bromodichloromethane	2800	
10061-01-5-----	cis-1,3-Dichloropropene	2600	
108-10-1-----	4-Methyl-2-pentanone	2500	
108-88-3-----	Toluene	2500	
10061-02-6-----	trans-1,3-Dichloropropene	2700	
79-00-5-----	1,1,2-Trichloroethane	2700	

FORM I VOA

OLM03.0

0081

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VR5LCS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case 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 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
---------	----------	---	---

142-28-9-----	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	
100-41-4-----	Ethylbenzene	2400	
-----	m,p-Xylene	4800	
95-47-6-----	o-Xylene	2400	
1330-20-7-----	Xylene (Total)	7200	
100-42-5-----	Styrene	2400	
75-25-2-----	Bromoform	2500	
98-82-8-----	Isopropylbenzene	2400	
79-34-5-----	1,1,2,2-Tetrachloroethane	2300	
108-86-1-----	Bromobenzene	2400	
96-18-4-----	1,2,3-Trichloropropane	2100	
103-65-1-----	n-Propylbenzene	2200	
95-49-8-----	2-Chlorotoluene	2300	
108-67-8-----	1,3,5-Trimethylbenzene	2400	
106-43-4-----	4-Chlorotoluene	2300	
98-06-6-----	tert-Butylbenzene	2300	
95-63-6-----	1,2,4-Trimethylbenzene	2300	
135-98-8-----	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	
120-82-1-----	1,2,4-Trichlorobenzene	2200	
87-68-3-----	Hexachlorobutadiene	2100	
91-20-3-----	Naphthalene	2200	
87-61-6-----	1,2,3-Trichlorobenzene	2300	

FORM I VOA

OLM03.0

0082

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 SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER (BFB) #	TOT OUT
01	VBLK1H	103	104	99	94	0
02	V1HLCS	98	100	98	98	0
03	VEW-3/4 8-12	95	90	102	118*	1
04	VEW-3/4 12-1	98	95	100	104	0
05	VEW-4 4-8'	100	101	103	106	0
06	VEW-4 8-12'	95	99	102	101	0
07	VEW-1 4-8'	99	103	102	97	0
08	VEW-2 4-8'	98	102	101	98	0
09	ASW 4-8'	98	98	103	97	0
10	VBLK1U	100	104	100	102	0
11	V1ULCS	98	99	100	99	0
12	VEW-3/4 12-1	100	100	100	94	0
13	VBLK1W	99	96	100	100	0
14	V1WLCS	102	98	98	101	0
15	V1WLCS D	100	102	101	104	0
16	VEW-1 12-16'	99	100	100	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	0
21	VEW-3 12-16'	101	99	100	103	0
22	ASW 8-12'	98	91	101	110	0
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 = Dibromofluoromethane (65-132)
 SMC2 (DCE) = 1,2-Dichloroethane-d4 (65-128)
 SMC3 (TOL) = Toluene-d8 (85-115)
 OTHER (BFB) = Bromofluorobenzene (77-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

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 SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER (BFB) #	TOT 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
11	VBLKR5	116	105	88	88	0
12	VR5LCS	112	103	94	104	0
13	VEW-3/4 4-8'	116	103	82*	87	1
14	VEW-1 8-12'D	108	99	88	77*	1
15	VEW-2 8-12'D	119	105	89	85	0
16	VEW-3 8-12'D	108	103	96	86	0
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

SMC1 = Dibromofluoromethane (65-132)
 SMC2 (DCE) = 1,2-Dichloroethane-d4 (65-128)
 SMC3 (TOL) = Toluene-d8 (85-115)
 OTHER(BFB) = Bromofluorobenzene (77-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: VIHLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS 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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: VIHLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS 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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: VIHLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS 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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: VIULCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS 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

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

* Values outside of QC limits

COMMENTS:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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 ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS 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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: VIULCS

Level: (low/med) LOW

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

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS 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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,2,4-Trimethylbenzene	50		51	102	65-135
sec-Butylbenzene	50		50	100	65-130
4-Isopropyltoluene	50		49	98	75-135
1,3-Dichlorobenzene	50		49	98	70-125
1,4-Dichlorobenzene	50		50	100	70-125
n-Butylbenzene	50		50	100	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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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 LIMITS	
					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-Dichloroethene	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

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

* Values outside of QC limits

COMMENTS:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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 LIMITS	
					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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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 LIMITS	
					RPD	REC.
1,2,4-Trimethylbenzene	50	52	104	2	40	65-135
sec-Butylbenzene	50	53	106	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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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

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

* Values outside of QC limits

COMMENTS:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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 ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS 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
Xylene (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		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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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 ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS 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

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

* Values outside of QC limits

COMMENTS:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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 ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					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-Dichloroethene	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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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 ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					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

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

* Values outside of QC limits

COMMENTS:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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 ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,2,4-Trimethylbenzene	2500	2500	100	4	40	75-130
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

* Values outside of QC limits

RPD: 0 out of 68 outside limits

Spike Recovery: 0 out of 136 outside limits

COMMENTS:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: VR5LCS

Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS 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-Dichloroethene	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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: VR5LCS

Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Bromodichloromethane	2500		2800	112	75-120
cis-1,3-Dichloropropene	2500		2600	104	70-130
4-Methyl-2-pentanone	2500		2500	100	60-135
Toluene	2500		2500	100	75-120
trans-1,3-Dichloroprope	2500		2700	108	55-140
1,1,2-Trichloroethane	2500		2700	108	75-125
1,3-Dichloropropane	2500		2400	96	75-125
Tetrachloroethene	2500		2400	96	45-150
2-Hexanone	2500		2400	96	55-130
Dibromochloromethane	2500		2500	100	60-135
1,2-Dibromoethane	2500		2400	96	80-120
Chlorobenzene	2500		2400	96	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
Xylene (Total)	7500		7200	96	81-121
Styrene	2500		2400	96	65-135
Bromoform	2500		2500	100	70-130
Isopropylbenzene	2500		2400	96	75-125
1,1,2,2-Tetrachloroetha	2500		2300	92	65-130
Bromobenzene	2500		2400	96	75-125
1,2,3-Trichloropropane	2500		2100	84	75-125
n-Propylbenzene	2500		2200	88	70-130
2-Chlorotoluene	2500		2300	92	75-125
1,3,5-Trimethylbenzene	2500		2400	96	75-130
4-Chlorotoluene	2500		2300	92	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:

FORM 3
SOIL VOLATILE LAB CONTROL SAMPLE

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

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,2,4-Trimethylbenzene	2500		2300	92	75-130
sec-Butylbenzene	2500		2300	92	70-125
4-Isopropyltoluene	2500		2400	96	75-130
1,3-Dichlorobenzene	2500		2400	96	75-125
1,4-Dichlorobenzene	2500		2300	92	75-125
n-Butylbenzene	2500		2300	92	70-135
1,2-Dichlorobenzene	2500		2500	100	70-120
1,2-Dibromo-3-chloropro	2500		2200	88	50-130
1,2,4-Trichlorobenzene	2500		2200	88	65-135
Hexachlorobutadiene	2500		2100	84	50-140
Naphthalene	2500		2200	88	55-140
1,2,3-Trichlorobenzene	2500		2300	92	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: _____

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK1H

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Lab File ID: VLI8622

Lab Sample ID: MB-31674

Date Analyzed: 08/14/07

Time Analyzed: 1529

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

Heated Purge: (Y/N) Y

Instrument ID: V1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1HLCS	LCS-31674	VLI8623	1608
02	VEW-3/4 8-12	F1104-02B	VLI8632	2017
03	VEW-3/4 12-1	F1104-03B	VLI8633	2044
04	VEW-4 4-8'	F1104-04B	VLI8634	2112
05	VEW-4 8-12'	F1104-05B	VLI8635	2140
06	VEW-1 4-8'	F1104-07B	VLI8637	2235
07	VEW-2 4-8'	F1104-10B	VLI8640	2358
08	ASW 4-8'	F1104-13B	VLI8643	0121
09				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1H

Lab Name: MITKEM CORPORATION

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
---------	----------	---	---

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

FORM I VOA

OLM03.0

0107

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1H

Lab Name: MITKEM CORPORATION

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: VLI8622

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
---------	----------	---	---

142-28-9-----1,3-Dichloropropane	5	U
127-18-4-----Tetrachloroethene	5	U
591-78-6-----2-Hexanone	5	U
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
108-86-1-----Bromobenzene	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
103-65-1-----n-Propylbenzene	5	U
95-49-8-----2-Chlorotoluene	5	U
108-67-8-----1,3,5-Trimethylbenzene	5	U
106-43-4-----4-Chlorotoluene	5	U
98-06-6-----tert-Butylbenzene	5	U
95-63-6-----1,2,4-Trimethylbenzene	5	U
135-98-8-----sec-Butylbenzene	5	U
99-87-6-----4-Isopropyltoluene	5	U
541-73-1-----1,3-Dichlorobenzene	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	5	U
120-82-1-----1,2,4-Trichlorobenzene	5	U
87-68-3-----Hexachlorobutadiene	5	U
91-20-3-----Naphthalene	5	U
87-61-6-----1,2,3-Trichlorobenzene	5	U

FORM I VOA

OLM03.0

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Lab File ID: V1I8882

Lab Sample ID: MB-31847

Date Analyzed: 08/22/07

Time Analyzed: 1659

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

Heated Purge: (Y/N) Y

Instrument ID: V1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V1ULCS	LCS-31847	V1I8883	1740
02	VEW-3/4 12-1	F1104-03BRE	V1I8904	0323
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: MB-31847

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

Lab File ID: V1I8882

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
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane_____	5	U
74-87-3-----	Chloromethane_____	5	U
75-01-4-----	Vinyl Chloride_____	5	U
74-83-9-----	Bromomethane_____	5	U
75-00-3-----	Chloroethane_____	5	U
75-69-4-----	Trichlorofluoromethane_____	5	U
75-35-4-----	1,1-Dichloroethene_____	5	U
67-64-1-----	Acetone_____	5	U
74-88-4-----	Iodomethane_____	5	U
75-15-0-----	Carbon Disulfide_____	5	U
75-09-2-----	Methylene Chloride_____	5	U
156-60-5-----	trans-1,2-Dichloroethene_____	5	U
1634-04-4-----	Methyl tert-butyl ether_____	5	U
75-34-3-----	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
74-97-5-----	Bromochloromethane_____	5	U
67-66-3-----	Chloroform_____	5	U
71-55-6-----	1,1,1-Trichloroethane_____	5	U
563-58-6-----	1,1-Dichloropropene_____	5	U
56-23-5-----	Carbon Tetrachloride_____	5	U
107-06-2-----	1,2-Dichloroethane_____	5	U
71-43-2-----	Benzene_____	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_____	5	U
10061-01-5-----	cis-1,3-Dichloropropene_____	5	U
108-10-1-----	4-Methyl-2-pentanone_____	5	U
108-88-3-----	Toluene_____	5	U
10061-02-6-----	trans-1,3-Dichloropropene_____	5	U
79-00-5-----	1,1,2-Trichloroethane_____	5	U

FORM I VOA

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1U

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: MB-31847

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

Lab File ID: V1I8882

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)

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

CAS NO.

COMPOUND

Q

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	5	U
591-78-6-----	2-Hexanone	5	U
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
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	5	U
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	5	U
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	5	U
135-98-8-----	sec-Butylbenzene	5	U
99-87-6-----	4-Isopropyltoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	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	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	2	J
87-61-6-----	1,2,3-Trichlorobenzene	5	U

FORM I VOA

OLM03.0

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

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

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

Heated Purge: (Y/N) Y

Instrument ID: V1

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	V1WLCS	LCS-31817	V1I8910	0608
02	V1WLCSD	LCSD-31817	V1I8911	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:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1W

Lab Name: MITKEM CORPORATION

Contract:

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: VLI8909

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)

CONCENTRATION UNITS:

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

Q

CAS NO.

COMPOUND

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

FORM I VOA

OLM03.0

0113

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1W

Lab Name: MITKEM CORPORATION

Contract:

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: VII8909

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
---------	----------	---	---

142-28-9-----1,3-Dichloropropane	5	U
127-18-4-----Tetrachloroethene	5	U
591-78-6-----2-Hexanone	5	U
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
108-86-1-----Bromobenzene	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
103-65-1-----n-Propylbenzene	5	U
95-49-8-----2-Chlorotoluene	5	U
108-67-8-----1,3,5-Trimethylbenzene	5	U
106-43-4-----4-Chlorotoluene	5	U
98-06-6-----tert-Butylbenzene	5	U
95-63-6-----1,2,4-Trimethylbenzene	5	U
135-98-8-----sec-Butylbenzene	5	U
99-87-6-----4-Isopropyltoluene	5	U
541-73-1-----1,3-Dichlorobenzene	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	5	U
120-82-1-----1,2,4-Trichlorobenzene	5	U
87-68-3-----Hexachlorobutadiene	5	U
91-20-3-----Naphthalene	1	J
87-61-6-----1,2,3-Trichlorobenzene	5	U

FORM I VOA

OLM03.0

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKP5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Lab File ID: V5H9812

Lab Sample ID: MB-31867

Date Analyzed: 08/23/07

Time Analyzed: 1605

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

Heated Purge: (Y/N) N

Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	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	F1104-02BDL	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:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: MB-31867

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

Lab File ID: V5H9812

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
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	250	U
74-87-3-----	Chloromethane	250	U
75-01-4-----	Vinyl Chloride	250	U
74-83-9-----	Bromomethane	250	U
75-00-3-----	Chloroethane	250	U
75-69-4-----	Trichlorofluoromethane	250	U
75-35-4-----	1,1-Dichloroethene	250	U
67-64-1-----	Acetone	250	U
74-88-4-----	Iodomethane	250	U
75-15-0-----	Carbon Disulfide	250	U
75-09-2-----	Methylene Chloride	250	U
156-60-5-----	trans-1,2-Dichloroethene	250	U
1634-04-4-----	Methyl tert-butyl ether	250	U
75-34-3-----	1,1-Dichloroethane	250	U
108-05-4-----	Vinyl acetate	250	U
78-93-3-----	2-Butanone	250	U
156-59-2-----	cis-1,2-Dichloroethene	250	U
590-20-7-----	2,2-Dichloropropane	250	U
74-97-5-----	Bromochloromethane	250	U
67-66-3-----	Chloroform	250	U
71-55-6-----	1,1,1-Trichloroethane	250	U
563-58-6-----	1,1-Dichloropropene	250	U
56-23-5-----	Carbon Tetrachloride	250	U
107-06-2-----	1,2-Dichloroethane	250	U
71-43-2-----	Benzene	250	U
79-01-6-----	Trichloroethene	250	U
78-87-5-----	1,2-Dichloropropane	250	U
74-95-3-----	Dibromomethane	250	U
75-27-4-----	Bromodichloromethane	250	U
10061-01-5-----	cis-1,3-Dichloropropene	250	U
108-10-1-----	4-Methyl-2-pentanone	250	U
108-88-3-----	Toluene	250	U
10061-02-6-----	trans-1,3-Dichloropropene	250	U
79-00-5-----	1,1,2-Trichloroethane	250	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKP5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: MB-31867

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

Lab File ID: V5H9812

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
---------	----------	---	---

142-28-9-----1,3-Dichloropropane	250	U
127-18-4-----Tetrachloroethene	250	U
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
-----m,p-Xylene	250	U
95-47-6-----o-Xylene	250	U
1330-20-7-----Xylene (Total)	250	U
100-42-5-----Styrene	250	U
75-25-2-----Bromoform	250	U
98-82-8-----Isopropylbenzene	250	U
79-34-5-----1,1,2,2-Tetrachloroethane	250	U
108-86-1-----Bromobenzene	250	U
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
106-46-7-----1,4-Dichlorobenzene	250	U
104-51-8-----n-Butylbenzene	250	U
95-50-1-----1,2-Dichlorobenzene	250	U
96-12-8-----1,2-Dibromo-3-chloropropane	250	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

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKR5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Lab File ID: V5H9846

Lab Sample ID: MB-31871

Date Analyzed: 08/24/07

Time Analyzed: 0954

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

Heated Purge: (Y/N) N

Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	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:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKR5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: MB-31871

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

Lab File ID: V5H9846

Level: (low/med) MED

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 08/24/07

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
---------	----------	---	---

75-71-8-----	Dichlorodifluoromethane	250	U
74-87-3-----	Chloromethane	250	U
75-01-4-----	Vinyl Chloride	250	U
74-83-9-----	Bromomethane	250	U
75-00-3-----	Chloroethane	250	U
75-69-4-----	Trichlorofluoromethane	250	U
75-35-4-----	1,1-Dichloroethene	250	U
67-64-1-----	Acetone	250	U
74-88-4-----	Iodomethane	250	U
75-15-0-----	Carbon Disulfide	250	U
75-09-2-----	Methylene Chloride	250	U
156-60-5-----	trans-1,2-Dichloroethene	250	U
1634-04-4-----	Methyl tert-butyl ether	250	U
75-34-3-----	1,1-Dichloroethane	250	U
108-05-4-----	Vinyl acetate	250	U
78-93-3-----	2-Butanone	250	U
156-59-2-----	cis-1,2-Dichloroethene	250	U
590-20-7-----	2,2-Dichloropropane	250	U
74-97-5-----	Bromochloromethane	250	U
67-66-3-----	Chloroform	250	U
71-55-6-----	1,1,1-Trichloroethane	250	U
563-58-6-----	1,1-Dichloropropene	250	U
56-23-5-----	Carbon Tetrachloride	250	U
107-06-2-----	1,2-Dichloroethane	250	U
71-43-2-----	Benzene	250	U
79-01-6-----	Trichloroethene	250	U
78-87-5-----	1,2-Dichloropropane	250	U
74-95-3-----	Dibromomethane	250	U
75-27-4-----	Bromodichloromethane	250	U
10061-01-5-----	cis-1,3-Dichloropropene	250	U
108-10-1-----	4-Methyl-2-pentanone	250	U
108-88-3-----	Toluene	250	U
10061-02-6-----	trans-1,3-Dichloropropene	250	U
79-00-5-----	1,1,2-Trichloroethane	250	U

FORM I VOA

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKR5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: MB-31871

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

Lab File ID: V5H9846

Level: (low/med) MED

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 08/24/07

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
---------	----------	---	---

142-28-9-----	1,3-Dichloropropane	250	U
127-18-4-----	Tetrachloroethene	250	U
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
-----	m,p-Xylene	250	U
95-47-6-----	o-Xylene	250	U
1330-20-7-----	Xylene (Total)	250	U
100-42-5-----	Styrene	250	U
75-25-2-----	Bromoform	250	U
98-82-8-----	Isopropylbenzene	250	U
79-34-5-----	1,1,2,2-Tetrachloroethane	250	U
108-86-1-----	Bromobenzene	250	U
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
106-46-7-----	1,4-Dichlorobenzene	250	U
104-51-8-----	n-Butylbenzene	250	U
95-50-1-----	1,2-Dichlorobenzene	250	U
96-12-8-----	1,2-Dibromo-3-chloropropane	250	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

OLM03.0

MITKEM
CORPORATION

Semivolatile Organics

1B
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: 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
---------	----------	---	---

108-95-2-----	Phenol	410	U
111-44-4-----	bis(2-Chloroethyl) Ether	410	U
95-57-8-----	2-Chlorophenol	410	U
541-73-1-----	1,3-Dichlorobenzene	410	U
106-46-7-----	1,4-Dichlorobenzene	410	U
95-50-1-----	1,2-Dichlorobenzene	410	U
95-48-7-----	2-Methylphenol	410	U
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
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
120-82-1-----	1,2,4-Trichlorobenzene	410	U
91-20-3-----	Naphthalene	410	U
106-47-8-----	4-Chloroaniline	410	U
87-68-3-----	Hexachlorobutadiene	410	U
111-91-1-----	bis(2-Chloroethoxy) methane	410	U
59-50-7-----	4-Chloro-3-Methylphenol	410	U
91-57-6-----	2-Methylnaphthalene	83	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
88-74-4-----	2-Nitroaniline	830	U
131-11-3-----	Dimethylphthalate	410	U
208-96-8-----	Acenaphthylene	410	U
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	830	U
83-32-9-----	Acenaphthene	410	U

FORM I SV-1

OLM03.0

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: 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
---------	----------	---	---

51-28-5-----2,4-Dinitrophenol	830	U
100-02-7-----4-Nitrophenol	830	U
132-64-9-----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-----Fluorene	410	U
100-01-6-----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
87-86-5-----Pentachlorophenol	830	U
85-01-8-----Phenanthrene	410	U
120-12-7-----Anthracene	410	U
86-74-8-----Carbazole	410	U
84-74-2-----Di-n-butylphthalate	410	U
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
56-55-3-----Benzo(a)anthracene	410	U
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

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) LOW

Date Received: 08/10/07

% 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
---------	----------	---	---

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

FORM I SV-1

OLM03.0

1C
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) LOW

Date Received: 08/10/07

% 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
---------	----------	---	---

51-28-5-----	2,4-Dinitrophenol	690	U
100-02-7-----	4-Nitrophenol	690	U
132-64-9-----	Dibenzofuran	340	U
121-14-2-----	2,4-Dinitrotoluene	340	U
84-66-2-----	Diethylphthalate	340	U
7005-72-3-----	4-Chlorophenyl-phenylether	340	U
86-73-7-----	Fluorene	340	U
100-01-6-----	4-Nitroaniline	690	U
534-52-1-----	4,6-Dinitro-2-methylphenol	690	U
86-30-6-----	N-Nitrosodiphenylamine (1)	340	U
101-55-3-----	4-Bromophenyl-phenylether	340	U
118-74-1-----	Hexachlorobenzene	340	U
87-86-5-----	Pentachlorophenol	690	U
85-01-8-----	Phenanthrene	340	U
120-12-7-----	Anthracene	340	U
86-74-8-----	Carbazole	340	U
84-74-2-----	Di-n-butylphthalate	340	U
206-44-0-----	Fluoranthene	340	U
129-00-0-----	Pyrene	340	U
85-68-7-----	Butylbenzylphthalate	340	U
91-94-1-----	3,3'-Dichlorobenzidine	340	U
56-55-3-----	Benzo(a)anthracene	340	U
218-01-9-----	Chrysene	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

(1) - Cannot be separated from Diphenylamine

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 (g/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: 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
---------	----------	---	---

108-95-2-----	Phenol	400	U
111-44-4-----	bis(2-Chloroethyl) Ether	400	U
95-57-8-----	2-Chlorophenol	400	U
541-73-1-----	1,3-Dichlorobenzene	400	U
106-46-7-----	1,4-Dichlorobenzene	400	U
95-50-1-----	1,2-Dichlorobenzene	400	U
95-48-7-----	2-Methylphenol	400	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5-----	4-Methylphenol	400	U
621-64-7-----	N-Nitroso-di-n-propylamine	400	U
67-72-1-----	Hexachloroethane	400	U
98-95-3-----	Nitrobenzene	400	U
78-59-1-----	Isophorone	400	U
88-75-5-----	2-Nitrophenol	400	U
105-67-9-----	2,4-Dimethylphenol	400	U
120-83-2-----	2,4-Dichlorophenol	400	U
120-82-1-----	1,2,4-Trichlorobenzene	400	U
91-20-3-----	Naphthalene	94	J
106-47-8-----	4-Chloroaniline	400	U
87-68-3-----	Hexachlorobutadiene	400	U
111-91-1-----	bis(2-Chloroethoxy) methane	400	U
59-50-7-----	4-Chloro-3-Methylphenol	400	U
91-57-6-----	2-Methylnaphthalene	240	J
77-47-4-----	Hexachlorocyclopentadiene	400	U
88-06-2-----	2,4,6-Trichlorophenol	400	U
95-95-4-----	2,4,5-Trichlorophenol	810	U
91-58-7-----	2-Chloronaphthalene	400	U
88-74-4-----	2-Nitroaniline	810	U
131-11-3-----	Dimethylphthalate	400	U
208-96-8-----	Acenaphthylene	400	U
606-20-2-----	2,6-Dinitrotoluene	400	U
99-09-2-----	3-Nitroaniline	810	U
83-32-9-----	Acenaphthene	400	U

FORM I SV-1

OLM03.0

1C
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 (g/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: 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	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
120-12-7-----	Anthracene	400 U
86-74-8-----	Carbazole	400 U
84-74-2-----	Di-n-butylphthalate	66 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	60 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
191-24-2-----	Benzo(g,h,i)perylene	400 U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3HLCS

Lab Name: MITKEM CORPORATION

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: 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: _____

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

108-95-2-----	Phenol	1300	
111-44-4-----	bis(2-Chloroethyl) Ether	1200	
95-57-8-----	2-Chlorophenol	1300	
541-73-1-----	1,3-Dichlorobenzene	1200	
106-46-7-----	1,4-Dichlorobenzene	1200	
95-50-1-----	1,2-Dichlorobenzene	1200	
95-48-7-----	2-Methylphenol	1200	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	1600	
106-44-5-----	4-Methylphenol	1300	
621-64-7-----	N-Nitroso-di-n-propylamine	1300	
67-72-1-----	Hexachloroethane	1300	
98-95-3-----	Nitrobenzene	1300	
78-59-1-----	Isophorone	1200	
88-75-5-----	2-Nitrophenol	1200	
105-67-9-----	2,4-Dimethylphenol	790	
120-83-2-----	2,4-Dichlorophenol	1200	
120-82-1-----	1,2,4-Trichlorobenzene	1200	
91-20-3-----	Naphthalene	1300	
106-47-8-----	4-Chloroaniline	930	
87-68-3-----	Hexachlorobutadiene	1100	
111-91-1-----	bis(2-Chloroethoxy) methane	1200	
59-50-7-----	4-Chloro-3-Methylphenol	1300	
91-57-6-----	2-Methylnaphthalene	1300	
77-47-4-----	Hexachlorocyclopentadiene	940	
88-06-2-----	2,4,6-Trichlorophenol	1200	
95-95-4-----	2,4,5-Trichlorophenol	1200	
91-58-7-----	2-Chloronaphthalene	1300	
88-74-4-----	2-Nitroaniline	1400	
131-11-3-----	Dimethylphthalate	1400	
208-96-8-----	Acenaphthylene	1300	
606-20-2-----	2,6-Dinitrotoluene	1300	
99-09-2-----	3-Nitroaniline	1000	
83-32-9-----	Acenaphthene	1300	

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3HLCS

Lab Name: MITKEM CORPORATION

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: 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: _____

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

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

(1) - Cannot be separated from Diphenylamine

FORM I SV-2

OLM03.0

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

% Moisture: 19 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 Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	410	U
111-44-4-----	bis(2-Chloroethyl) Ether	410	U
95-57-8-----	2-Chlorophenol	410	U
541-73-1-----	1,3-Dichlorobenzene	410	U
106-46-7-----	1,4-Dichlorobenzene	410	U
95-50-1-----	1,2-Dichlorobenzene	410	U
95-48-7-----	2-Methylphenol	410	U
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
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
120-82-1-----	1,2,4-Trichlorobenzene	410	U
91-20-3-----	Naphthalene	410	U
106-47-8-----	4-Chloroaniline	410	U
87-68-3-----	Hexachlorobutadiene	410	U
111-91-1-----	bis(2-Chloroethoxy) methane	410	U
59-50-7-----	4-Chloro-3-Methylphenol	410	U
91-57-6-----	2-Methylnaphthalene	410	U
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
88-74-4-----	2-Nitroaniline	830	U
131-11-3-----	Dimethylphthalate	410	U
208-96-8-----	Acenaphthylene	410	U
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	830	U
83-32-9-----	Acenaphthene	410	U

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

% Moisture: 19 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
---------	----------	---	---

51-28-5-----	2,4-Dinitrophenol	830	U
100-02-7-----	4-Nitrophenol	830	U
132-64-9-----	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-----	Fluorene	410	U
100-01-6-----	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
87-86-5-----	Pentachlorophenol	830	U
85-01-8-----	Phenanthrene	410	U
120-12-7-----	Anthracene	410	U
86-74-8-----	Carbazole	410	U
84-74-2-----	Di-n-butylphthalate	410	U
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
56-55-3-----	Benzo (a) anthracene	410	U
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: ____

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

108-95-2-----	Phenol	350	U
111-44-4-----	bis(2-Chloroethyl) Ether	350	U
95-57-8-----	2-Chlorophenol	350	U
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
95-50-1-----	1,2-Dichlorobenzene	350	U
95-48-7-----	2-Methylphenol	350	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5-----	4-Methylphenol	350	U
621-64-7-----	N-Nitroso-di-n-propylamine	350	U
67-72-1-----	Hexachloroethane	350	U
98-95-3-----	Nitrobenzene	350	U
78-59-1-----	Isophorone	350	U
88-75-5-----	2-Nitrophenol	350	U
105-67-9-----	2,4-Dimethylphenol	350	U
120-83-2-----	2,4-Dichlorophenol	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
91-20-3-----	Naphthalene	350	U
106-47-8-----	4-Chloroaniline	350	U
87-68-3-----	Hexachlorobutadiene	350	U
111-91-1-----	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
88-06-2-----	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
208-96-8-----	Acenaphthylene	350	U
606-20-2-----	2,6-Dinitrotoluene	350	U
99-09-2-----	3-Nitroaniline	700	U
83-32-9-----	Acenaphthene	350	U

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW-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: ____

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

51-28-5-----	2,4-Dinitrophenol	700	U
100-02-7-----	4-Nitrophenol	700	U
132-64-9-----	Dibenzofuran	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenyl-phenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
86-74-8-----	Carbazole	350	U
84-74-2-----	Di-n-butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	350	U
56-55-3-----	Benzo(a)anthracene	350	U
218-01-9-----	Chrysene	350	U
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	U

(1) - Cannot be separated from Diphenylamine

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 (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: ____

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

108-95-2-----	Phenol	390	U
111-44-4-----	bis(2-Chloroethyl) Ether	390	U
95-57-8-----	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	U
95-48-7-----	2-Methylphenol	390	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5-----	4-Methylphenol	390	U
621-64-7-----	N-Nitroso-di-n-propylamine	390	U
67-72-1-----	Hexachloroethane	390	U
98-95-3-----	Nitrobenzene	390	U
78-59-1-----	Isophorone	390	U
88-75-5-----	2-Nitrophenol	390	U
105-67-9-----	2,4-Dimethylphenol	390	U
120-83-2-----	2,4-Dichlorophenol	390	U
120-82-1-----	1,2,4-Trichlorobenzene	390	U
91-20-3-----	Naphthalene	670	
106-47-8-----	4-Chloroaniline	390	U
87-68-3-----	Hexachlorobutadiene	390	U
111-91-1-----	bis(2-Chloroethoxy)methane	390	U
59-50-7-----	4-Chloro-3-Methylphenol	390	U
91-57-6-----	2-Methylnaphthalene	2100	
77-47-4-----	Hexachlorocyclopentadiene	390	U
88-06-2-----	2,4,6-Trichlorophenol	390	U
95-95-4-----	2,4,5-Trichlorophenol	800	U
91-58-7-----	2-Chloronaphthalene	390	U
88-74-4-----	2-Nitroaniline	800	U
131-11-3-----	Dimethylphthalate	390	U
208-96-8-----	Acenaphthylene	390	U
606-20-2-----	2,6-Dinitrotoluene	390	U
99-09-2-----	3-Nitroaniline	800	U
83-32-9-----	Acenaphthene	390	U

FORM I SV-1

OLM03.0

1C
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 (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: ____

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

51-28-5-----	2,4-Dinitrophenol	800	U
100-02-7-----	4-Nitrophenol	800	U
132-64-9-----	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	44	J
100-01-6-----	4-Nitroaniline	800	U
534-52-1-----	4,6-Dinitro-2-methylphenol	800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	390	U
101-55-3-----	4-Bromophenyl-phenylether	390	U
118-74-1-----	Hexachlorobenzene	390	U
87-86-5-----	Pentachlorophenol	800	U
85-01-8-----	Phenanthrene	390	U
120-12-7-----	Anthracene	390	U
86-74-8-----	Carbazole	390	U
84-74-2-----	Di-n-butylphthalate	1000	
206-44-0-----	Fluoranthene	390	U
129-00-0-----	Pyrene	390	U
85-68-7-----	Butylbenzylphthalate	390	U
91-94-1-----	3,3'-Dichlorobenzidine	390	U
56-55-3-----	Benzo (a) anthracene	390	U
218-01-9-----	Chrysene	390	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	110	J
117-84-0-----	Di-n-octylphthalate	390	U
205-99-2-----	Benzo (b) fluoranthene	390	U
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	U
191-24-2-----	Benzo (g,h,i) perylene	390	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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 (g/mL) G

Lab File ID: S3E5481

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: 22 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
---------	----------	---	---

108-95-2-----	Phenol	420	U
111-44-4-----	bis(2-Chloroethyl) Ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	420	U
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5-----	4-Methylphenol	420	U
621-64-7-----	N-Nitroso-di-n-propylamine	420	U
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethylphenol	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	420	U
91-20-3-----	Naphthalene	420	U
106-47-8-----	4-Chloroaniline	420	U
87-68-3-----	Hexachlorobutadiene	420	U
111-91-1-----	bis(2-Chloroethoxy)methane	420	U
59-50-7-----	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
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	860	U
131-11-3-----	Dimethylphthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U
99-09-2-----	3-Nitroaniline	860	U
83-32-9-----	Acenaphthene	420	U

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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 (g/mL) G

Lab File ID: S3E5481

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: 22 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
---------	----------	---	---

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

(1) - Cannot be separated from Diphenylamine

1B
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

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: 9 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
---------	----------	---	---

108-95-2-----	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

FORM I SV-1

OLM03.0

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

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: 9 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
---------	----------	---	---

51-28-5-----	2,4-Dinitrophenol	730	U
100-02-7-----	4-Nitrophenol	730	U
132-64-9-----	Dibenzofuran	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	360	U
100-01-6-----	4-Nitroaniline	730	U
534-52-1-----	4,6-Dinitro-2-methylphenol	730	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenyl-phenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	730	U
85-01-8-----	Phenanthrene	360	U
120-12-7-----	Anthracene	360	U
86-74-8-----	Carbazole	360	U
84-74-2-----	Di-n-butylphthalate	360	U
206-44-0-----	Fluoranthene	360	U
129-00-0-----	Pyrene	360	U
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	360	U
56-55-3-----	Benzo(a)anthracene	360	U
218-01-9-----	Chrysene	360	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	360	U
117-84-0-----	Di-n-octylphthalate	360	U
205-99-2-----	Benzo(b)fluoranthene	360	U
207-08-9-----	Benzo(k)fluoranthene	360	U
50-32-8-----	Benzo(a)pyrene	360	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	360	U
53-70-3-----	Dibenzo(a,h)anthracene	360	U
191-24-2-----	Benzo(g,h,i)perylene	360	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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: F1104-11A

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3E5480

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: 19 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
---------	----------	---	---

108-95-2-----	Phenol	410	U
111-44-4-----	bis(2-Chloroethyl) Ether	410	U
95-57-8-----	2-Chlorophenol	410	U
541-73-1-----	1,3-Dichlorobenzene	410	U
106-46-7-----	1,4-Dichlorobenzene	410	U
95-50-1-----	1,2-Dichlorobenzene	410	U
95-48-7-----	2-Methylphenol	410	U
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
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
120-82-1-----	1,2,4-Trichlorobenzene	410	U
91-20-3-----	Naphthalene	200	J
106-47-8-----	4-Chloroaniline	410	U
87-68-3-----	Hexachlorobutadiene	410	U
111-91-1-----	bis(2-Chloroethoxy)methane	410	U
59-50-7-----	4-Chloro-3-Methylphenol	410	U
91-57-6-----	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
88-74-4-----	2-Nitroaniline	830	U
131-11-3-----	Dimethylphthalate	410	U
208-96-8-----	Acenaphthylene	410	U
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	830	U
83-32-9-----	Acenaphthene	410	U

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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: F1104-11A

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3E5480

Level: (low/med) LOW

Date Received: 08/10/07

% Moisture: 19 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
---------	----------	---	---

51-28-5-----	2,4-Dinitrophenol	830	U
100-02-7-----	4-Nitrophenol	830	U
132-64-9-----	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-----	Fluorene	410	U
100-01-6-----	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
87-86-5-----	Pentachlorophenol	830	U
85-01-8-----	Phenanthrene	410	U
120-12-7-----	Anthracene	410	U
86-74-8-----	Carbazole	410	U
84-74-2-----	Di-n-butylphthalate	720	
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
56-55-3-----	Benzo(a)anthracene	410	U
218-01-9-----	Chrysene	410	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	56	J
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

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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) 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: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	420	U
111-44-4-----	bis(2-Chloroethyl) Ether	420	U
95-57-8-----	2-Chlorophenol	420	U
541-73-1-----	1,3-Dichlorobenzene	420	U
106-46-7-----	1,4-Dichlorobenzene	420	U
95-50-1-----	1,2-Dichlorobenzene	420	U
95-48-7-----	2-Methylphenol	420	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5-----	4-Methylphenol	420	U
621-64-7-----	N-Nitroso-di-n-propylamine	420	U
67-72-1-----	Hexachloroethane	420	U
98-95-3-----	Nitrobenzene	420	U
78-59-1-----	Isophorone	420	U
88-75-5-----	2-Nitrophenol	420	U
105-67-9-----	2,4-Dimethylphenol	420	U
120-83-2-----	2,4-Dichlorophenol	420	U
120-82-1-----	1,2,4-Trichlorobenzene	420	U
91-20-3-----	Naphthalene	420	U
106-47-8-----	4-Chloroaniline	420	U
87-68-3-----	Hexachlorobutadiene	420	U
111-91-1-----	bis(2-Chloroethoxy)methane	420	U
59-50-7-----	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
91-58-7-----	2-Chloronaphthalene	420	U
88-74-4-----	2-Nitroaniline	860	U
131-11-3-----	Dimethylphthalate	420	U
208-96-8-----	Acenaphthylene	420	U
606-20-2-----	2,6-Dinitrotoluene	420	U
99-09-2-----	3-Nitroaniline	860	U
83-32-9-----	Acenaphthene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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) 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: ____

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

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

(1) - Cannot be separated from Diphenylamine

1B
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: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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108-95-2-----	Phenol	1300	
111-44-4-----	bis(2-Chloroethyl) Ether	1200	
95-57-8-----	2-Chlorophenol	1400	
541-73-1-----	1,3-Dichlorobenzene	1200	
106-46-7-----	1,4-Dichlorobenzene	1200	
95-50-1-----	1,2-Dichlorobenzene	1200	
95-48-7-----	2-Methylphenol	1300	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	1600	
106-44-5-----	4-Methylphenol	1400	
621-64-7-----	N-Nitroso-di-n-propylamine	1400	
67-72-1-----	Hexachloroethane	1300	
98-95-3-----	Nitrobenzene	1300	
78-59-1-----	Isophorone	1300	
88-75-5-----	2-Nitrophenol	1400	
105-67-9-----	2,4-Dimethylphenol	1400	
120-83-2-----	2,4-Dichlorophenol	1300	
120-82-1-----	1,2,4-Trichlorobenzene	1200	
91-20-3-----	Naphthalene	1300	
106-47-8-----	4-Chloroaniline	930	
87-68-3-----	Hexachlorobutadiene	1200	
111-91-1-----	bis(2-Chloroethoxy)methane	1200	
59-50-7-----	4-Chloro-3-Methylphenol	1400	
91-57-6-----	2-Methylnaphthalene	1300	
77-47-4-----	Hexachlorocyclopentadiene	660	
88-06-2-----	2,4,6-Trichlorophenol	1300	
95-95-4-----	2,4,5-Trichlorophenol	1300	
91-58-7-----	2-Chloronaphthalene	1400	
88-74-4-----	2-Nitroaniline	1500	
131-11-3-----	Dimethylphthalate	1400	
208-96-8-----	Acenaphthylene	1400	
606-20-2-----	2,6-Dinitrotoluene	1400	
99-09-2-----	3-Nitroaniline	860	
83-32-9-----	Acenaphthene	1400	

FORM I SV-1

OLM03.0

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: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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51-28-5-----	2,4-Dinitrophenol	210	J
100-02-7-----	4-Nitrophenol	1500	
132-64-9-----	Dibenzofuran	1400	
121-14-2-----	2,4-Dinitrotoluene	1400	
84-66-2-----	Diethylphthalate	1500	
7005-72-3-----	4-Chlorophenyl-phenylether	1300	
86-73-7-----	Fluorene	1400	
100-01-6-----	4-Nitroaniline	1000	
534-52-1-----	4,6-Dinitro-2-methylphenol	650	J
86-30-6-----	N-Nitrosodiphenylamine (1)	1500	
101-55-3-----	4-Bromophenyl-phenylether	1300	
118-74-1-----	Hexachlorobenzene	1300	
87-86-5-----	Pentachlorophenol	1100	
85-01-8-----	Phenanthrene	1600	
120-12-7-----	Anthracene	1600	
86-74-8-----	Carbazole	1600	
84-74-2-----	Di-n-butylphthalate	1700	
206-44-0-----	Fluoranthene	1600	
129-00-0-----	Pyrene	1600	
85-68-7-----	Butylbenzylphthalate	1500	
91-94-1-----	3,3'-Dichlorobenzidine	1400	
56-55-3-----	Benzo(a)anthracene	1500	
218-01-9-----	Chrysene	1600	
117-81-7-----	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	
193-39-5-----	Indeno(1,2,3-cd)pyrene	1500	
53-70-3-----	Dibenzo(a,h)anthracene	1500	
191-24-2-----	Benzo(g,h,i)perylene	1400	

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

% 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: ____

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

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

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

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

CAS NO. COMPOUND Q

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

(1) - Cannot be separated from Diphenylamine

1B
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: 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 Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	350	U
111-44-4-----	bis(2-Chloroethyl) Ether	350	U
95-57-8-----	2-Chlorophenol	350	U
541-73-1-----	1,3-Dichlorobenzene	350	U
106-46-7-----	1,4-Dichlorobenzene	350	U
95-50-1-----	1,2-Dichlorobenzene	350	U
95-48-7-----	2-Methylphenol	350	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5-----	4-Methylphenol	350	U
621-64-7-----	N-Nitroso-di-n-propylamine	350	U
67-72-1-----	Hexachloroethane	350	U
98-95-3-----	Nitrobenzene	350	U
78-59-1-----	Isophorone	350	U
88-75-5-----	2-Nitrophenol	350	U
105-67-9-----	2,4-Dimethylphenol	350	U
120-83-2-----	2,4-Dichlorophenol	350	U
120-82-1-----	1,2,4-Trichlorobenzene	350	U
91-20-3-----	Naphthalene	350	U
106-47-8-----	4-Chloroaniline	350	U
87-68-3-----	Hexachlorobutadiene	350	U
111-91-1-----	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
88-06-2-----	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
208-96-8-----	Acenaphthylene	350	U
606-20-2-----	2,6-Dinitrotoluene	350	U
99-09-2-----	3-Nitroaniline	700	U
83-32-9-----	Acenaphthene	350	U

FORM I SV-1

OLM03.0

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: 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
---------	----------	---	---

51-28-5-----	2,4-Dinitrophenol	700	U
100-02-7-----	4-Nitrophenol	700	U
132-64-9-----	Dibenzofuran	350	U
121-14-2-----	2,4-Dinitrotoluene	350	U
84-66-2-----	Diethylphthalate	350	U
7005-72-3-----	4-Chlorophenyl-phenylether	350	U
86-73-7-----	Fluorene	350	U
100-01-6-----	4-Nitroaniline	700	U
534-52-1-----	4,6-Dinitro-2-methylphenol	700	U
86-30-6-----	N-Nitrosodiphenylamine (1)	350	U
101-55-3-----	4-Bromophenyl-phenylether	350	U
118-74-1-----	Hexachlorobenzene	350	U
87-86-5-----	Pentachlorophenol	700	U
85-01-8-----	Phenanthrene	350	U
120-12-7-----	Anthracene	350	U
86-74-8-----	Carbazole	350	U
84-74-2-----	Di-n-butylphthalate	350	U
206-44-0-----	Fluoranthene	350	U
129-00-0-----	Pyrene	350	U
85-68-7-----	Butylbenzylphthalate	350	U
91-94-1-----	3,3'-Dichlorobenzidine	350	U
56-55-3-----	Benzo(a)anthracene	350	U
218-01-9-----	Chrysene	350	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	350	U
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	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: 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
108-95-2-----	Phenol	440	U
111-44-4-----	bis(2-Chloroethyl) Ether	440	U
95-57-8-----	2-Chlorophenol	440	U
541-73-1-----	1,3-Dichlorobenzene	440	U
106-46-7-----	1,4-Dichlorobenzene	440	U
95-50-1-----	1,2-Dichlorobenzene	440	U
95-48-7-----	2-Methylphenol	440	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5-----	4-Methylphenol	440	U
621-64-7-----	N-Nitroso-di-n-propylamine	440	U
67-72-1-----	Hexachloroethane	440	U
98-95-3-----	Nitrobenzene	440	U
78-59-1-----	Isophorone	440	U
88-75-5-----	2-Nitrophenol	440	U
105-67-9-----	2,4-Dimethylphenol	440	U
120-83-2-----	2,4-Dichlorophenol	440	U
120-82-1-----	1,2,4-Trichlorobenzene	440	U
91-20-3-----	Naphthalene	440	U
106-47-8-----	4-Chloroaniline	440	U
87-68-3-----	Hexachlorobutadiene	440	U
111-91-1-----	bis(2-Chloroethoxy)methane	440	U
59-50-7-----	4-Chloro-3-Methylphenol	440	U
91-57-6-----	2-Methylnaphthalene	440	U
77-47-4-----	Hexachlorocyclopentadiene	440	U
88-06-2-----	2,4,6-Trichlorophenol	440	U
95-95-4-----	2,4,5-Trichlorophenol	890	U
91-58-7-----	2-Chloronaphthalene	440	U
88-74-4-----	2-Nitroaniline	890	U
131-11-3-----	Dimethylphthalate	440	U
208-96-8-----	Acenaphthylene	440	U
606-20-2-----	2,6-Dinitrotoluene	440	U
99-09-2-----	3-Nitroaniline	890	U
83-32-9-----	Acenaphthene	440	U

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: 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
---------	----------	---	---

51-28-5-----2,4-Dinitrophenol	890	U
100-02-7-----4-Nitrophenol	890	U
132-64-9-----Dibenzofuran	440	U
121-14-2-----2,4-Dinitrotoluene	440	U
84-66-2-----Diethylphthalate	440	U
7005-72-3-----4-Chlorophenyl-phenylether	440	U
86-73-7-----Fluorene	440	U
100-01-6-----4-Nitroaniline	890	U
534-52-1-----4,6-Dinitro-2-methylphenol	890	U
86-30-6-----N-Nitrosodiphenylamine (1)	440	U
101-55-3-----4-Bromophenyl-phenylether	440	U
118-74-1-----Hexachlorobenzene	440	U
87-86-5-----Pentachlorophenol	890	U
85-01-8-----Phenanthrene	440	U
120-12-7-----Anthracene	440	U
86-74-8-----Carbazole	440	U
84-74-2-----Di-n-butylphthalate	440	U
206-44-0-----Fluoranthene	440	U
129-00-0-----Pyrene	440	U
85-68-7-----Butylbenzylphthalate	440	U
91-94-1-----3,3'-Dichlorobenzidine	440	U
56-55-3-----Benzo(a)anthracene	440	U
218-01-9-----Chrysene	440	U
117-81-7-----bis(2-Ethylhexyl)phthalate	440	U
117-84-0-----Di-n-octylphthalate	440	U
205-99-2-----Benzo(b)fluoranthene	440	U
207-08-9-----Benzo(k)fluoranthene	440	U
50-32-8-----Benzo(a)pyrene	440	U
193-39-5-----Indeno(1,2,3-cd)pyrene	440	U
53-70-3-----Dibenzo(a,h)anthracene	440	U
191-24-2-----Benzo(g,h,i)perylene	440	U

(1) - Cannot be separated from Diphenylamine

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: ____

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

108-95-2-----	Phenol	1600	U
111-44-4-----	bis(2-Chloroethyl) Ether	1600	U
95-57-8-----	2-Chlorophenol	1600	U
541-73-1-----	1,3-Dichlorobenzene	1600	U
106-46-7-----	1,4-Dichlorobenzene	200	J
95-50-1-----	1,2-Dichlorobenzene	5700	
95-48-7-----	2-Methylphenol	1600	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	1600	U
106-44-5-----	4-Methylphenol	1600	U
621-64-7-----	N-Nitroso-di-n-propylamine	1600	U
67-72-1-----	Hexachloroethane	1600	U
98-95-3-----	Nitrobenzene	1600	U
78-59-1-----	Isophorone	1600	U
88-75-5-----	2-Nitrophenol	1600	U
105-67-9-----	2,4-Dimethylphenol	5600	
120-83-2-----	2,4-Dichlorophenol	1600	U
120-82-1-----	1,2,4-Trichlorobenzene	1600	U
91-20-3-----	Naphthalene	19000	
106-47-8-----	4-Chloroaniline	1600	U
87-68-3-----	Hexachlorobutadiene	1600	U
111-91-1-----	bis(2-Chloroethoxy) methane	1600	U
59-50-7-----	4-Chloro-3-Methylphenol	1600	U
91-57-6-----	2-Methylnaphthalene	18000	
77-47-4-----	Hexachlorocyclopentadiene	1600	U
88-06-2-----	2,4,6-Trichlorophenol	1600	U
95-95-4-----	2,4,5-Trichlorophenol	3200	U
91-58-7-----	2-Chloronaphthalene	1600	U
88-74-4-----	2-Nitroaniline	3200	U
131-11-3-----	Dimethylphthalate	1600	U
208-96-8-----	Acenaphthylene	1600	U
606-20-2-----	2,6-Dinitrotoluene	1600	U
99-09-2-----	3-Nitroaniline	3200	U
83-32-9-----	Acenaphthene	1600	U

FORM I SV-1

OLM03.0

1C
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

51-28-5-----	2,4-Dinitrophenol	3200	U
100-02-7-----	4-Nitrophenol	3200	U
132-64-9-----	Dibenzofuran	1600	U
121-14-2-----	2,4-Dinitrotoluene	1600	U
84-66-2-----	Diethylphthalate	1600	U
7005-72-3-----	4-Chlorophenyl-phenylether	1600	U
86-73-7-----	Fluorene	200	J
100-01-6-----	4-Nitroaniline	3200	U
534-52-1-----	4,6-Dinitro-2-methylphenol	3200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	1600	U
101-55-3-----	4-Bromophenyl-phenylether	1600	U
118-74-1-----	Hexachlorobenzene	1600	U
87-86-5-----	Pentachlorophenol	3200	U
85-01-8-----	Phenanthrene	170	J
120-12-7-----	Anthracene	1600	U
86-74-8-----	Carbazole	1600	U
84-74-2-----	Di-n-butylphthalate	1400	J
206-44-0-----	Fluoranthene	1600	U
129-00-0-----	Pyrene	1600	U
85-68-7-----	Butylbenzylphthalate	1600	U
91-94-1-----	3,3'-Dichlorobenzidine	1600	U
56-55-3-----	Benzo(a)anthracene	1600	U
218-01-9-----	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
207-08-9-----	Benzo(k)fluoranthene	1600	U
50-32-8-----	Benzo(a)pyrene	1600	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	1600	U
53-70-3-----	Dibenzo(a,h)anthracene	1600	U
191-24-2-----	Benzo(g,h,i)perylene	1600	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3/4 8-12'

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: F1104-02A

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: ____

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

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

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-3/4 8-12'

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: F1104-02A

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: ____

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

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
120-12-7-----	Anthracene	400	U
86-74-8-----	Carbazole	400	U
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
191-24-2-----	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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: F1104-17A

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: 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
---------	----------	---	---

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

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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: F1104-17A
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: 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 Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	800	U
100-02-7-----	4-Nitrophenol	800	U
132-64-9-----	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	U
101-55-3-----	4-Bromophenyl-phenylether	390	U
118-74-1-----	Hexachlorobenzene	390	U
87-86-5-----	Pentachlorophenol	800	U
85-01-8-----	Phenanthrene	390	U
120-12-7-----	Anthracene	390	U
86-74-8-----	Carbazole	390	U
84-74-2-----	Di-n-butylphthalate	140	J
206-44-0-----	Fluoranthene	390	U
129-00-0-----	Pyrene	390	U
85-68-7-----	Butylbenzylphthalate	390	U
91-94-1-----	3,3'-Dichlorobenzidine	390	U
56-55-3-----	Benzo(a)anthracene	390	U
218-01-9-----	Chrysene	390	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	390	U
117-84-0-----	Di-n-octylphthalate	390	U
205-99-2-----	Benzo(b)fluoranthene	390	U
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	U
191-24-2-----	Benzo(g,h,i)perylene	390	U

(1) - Cannot be separated from Diphenylamine

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

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3E5475

Level: (low/med) LOW

Date Received: 08/10/07

% 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: ____

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

108-95-2-----	Phenol	400	U
111-44-4-----	bis(2-Chloroethyl) Ether	400	U
95-57-8-----	2-Chlorophenol	400	U
541-73-1-----	1,3-Dichlorobenzene	400	U
106-46-7-----	1,4-Dichlorobenzene	400	U
95-50-1-----	1,2-Dichlorobenzene	400	U
95-48-7-----	2-Methylphenol	400	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5-----	4-Methylphenol	400	U
621-64-7-----	N-Nitroso-di-n-propylamine	400	U
67-72-1-----	Hexachloroethane	400	U
98-95-3-----	Nitrobenzene	400	U
78-59-1-----	Isophorone	400	U
88-75-5-----	2-Nitrophenol	400	U
105-67-9-----	2,4-Dimethylphenol	400	U
120-83-2-----	2,4-Dichlorophenol	400	U
120-82-1-----	1,2,4-Trichlorobenzene	400	U
91-20-3-----	Naphthalene	400	U
106-47-8-----	4-Chloroaniline	400	U
87-68-3-----	Hexachlorobutadiene	400	U
111-91-1-----	bis(2-Chloroethoxy) methane	400	U
59-50-7-----	4-Chloro-3-Methylphenol	400	U
91-57-6-----	2-Methylnaphthalene	400	U
77-47-4-----	Hexachlorocyclopentadiene	400	U
88-06-2-----	2,4,6-Trichlorophenol	400	U
95-95-4-----	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
208-96-8-----	Acenaphthylene	400	U
606-20-2-----	2,6-Dinitrotoluene	400	U
99-09-2-----	3-Nitroaniline	820	U
83-32-9-----	Acenaphthene	400	U

FORM I SV-1

OLM03.0

1C
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

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3E5475

Level: (low/med) LOW

Date Received: 08/10/07

% 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: ____

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

51-28-5-----2,4-Dinitrophenol	820	U
100-02-7-----4-Nitrophenol	820	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	820	U
534-52-1-----4,6-Dinitro-2-methylphenol	820	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	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
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	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	U
53-70-3-----Dibenzo(a,h)anthracene	400	U
191-24-2-----Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-4 4-8'

Lab Name: MITKEM CORPORATION Contract:

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

Matrix: (soil/water) SOIL Lab Sample ID: F1104-04A

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5490

Level: (low/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

108-95-2-----	Phenol	390	U
111-44-4-----	bis(2-Chloroethyl) Ether	390	U
95-57-8-----	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	U
95-48-7-----	2-Methylphenol	390	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5-----	4-Methylphenol	390	U
621-64-7-----	N-Nitroso-di-n-propylamine	390	U
67-72-1-----	Hexachloroethane	390	U
98-95-3-----	Nitrobenzene	390	U
78-59-1-----	Isophorone	390	U
88-75-5-----	2-Nitrophenol	390	U
105-67-9-----	2,4-Dimethylphenol	140	J
120-83-2-----	2,4-Dichlorophenol	390	U
120-82-1-----	1,2,4-Trichlorobenzene	390	U
91-20-3-----	Naphthalene	390	U
106-47-8-----	4-Chloroaniline	390	U
87-68-3-----	Hexachlorobutadiene	390	U
111-91-1-----	bis(2-Chloroethoxy) methane	390	U
59-50-7-----	4-Chloro-3-Methylphenol	390	U
91-57-6-----	2-Methylnaphthalene	390	U
77-47-4-----	Hexachlorocyclopentadiene	390	U
88-06-2-----	2,4,6-Trichlorophenol	390	U
95-95-4-----	2,4,5-Trichlorophenol	790	U
91-58-7-----	2-Chloronaphthalene	390	U
88-74-4-----	2-Nitroaniline	790	U
131-11-3-----	Dimethylphthalate	390	U
208-96-8-----	Acenaphthylene	390	U
606-20-2-----	2,6-Dinitrotoluene	390	U
99-09-2-----	3-Nitroaniline	790	U
83-32-9-----	Acenaphthene	390	U

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW-4 4-8'

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: F1104-04A

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3E5490

Level: (low/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: ____

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

51-28-5-----2,4-Dinitrophenol	790	U
100-02-7-----4-Nitrophenol	790	U
132-64-9-----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	790	U
534-52-1-----4,6-Dinitro-2-methylphenol	790	U
86-30-6-----N-Nitrosodiphenylamine (1)	390	U
101-55-3-----4-Bromophenyl-phenylether	390	U
118-74-1-----Hexachlorobenzene	390	U
87-86-5-----Pentachlorophenol	790	U
85-01-8-----Phenanthrene	390	U
120-12-7-----Anthracene	390	U
86-74-8-----Carbazole	390	U
84-74-2-----Di-n-butylphthalate	390	U
206-44-0-----Fluoranthene	390	U
129-00-0-----Pyrene	390	U
85-68-7-----Butylbenzylphthalate	390	U
91-94-1-----3,3'-Dichlorobenzidine	390	U
56-55-3-----Benzo(a)anthracene	390	U
218-01-9-----Chrysene	390	U
117-81-7-----bis(2-Ethylhexyl)phthalate	300	J
117-84-0-----Di-n-octylphthalate	390	U
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
191-24-2-----Benzo(g,h,i)perylene	59	J

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: F1104-05A

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: 08/13/07

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/23/07

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
---------	----------	---	---

108-95-2-----	Phenol	410	U
111-44-4-----	bis(2-Chloroethyl) Ether	410	U
95-57-8-----	2-Chlorophenol	410	U
541-73-1-----	1,3-Dichlorobenzene	410	U
106-46-7-----	1,4-Dichlorobenzene	410	U
95-50-1-----	1,2-Dichlorobenzene	120	J
95-48-7-----	2-Methylphenol	410	U
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
78-59-1-----	Isophorone	410	U
88-75-5-----	2-Nitrophenol	410	U
105-67-9-----	2,4-Dimethylphenol	410	U
120-83-2-----	2,4-Dichlorophenol	410	U
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
59-50-7-----	4-Chloro-3-Methylphenol	410	U
91-57-6-----	2-Methylnaphthalene	600	
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
88-74-4-----	2-Nitroaniline	830	U
131-11-3-----	Dimethylphthalate	410	U
208-96-8-----	Acenaphthylene	410	U
606-20-2-----	2,6-Dinitrotoluene	410	U
99-09-2-----	3-Nitroaniline	830	U
83-32-9-----	Acenaphthene	410	U

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: F1104-05A
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: 08/13/07
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/23/07
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	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	830	U
100-02-7-----	4-Nitrophenol	830	U
132-64-9-----	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-----	Fluorene	410	U
100-01-6-----	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
87-86-5-----	Pentachlorophenol	830	U
85-01-8-----	Phenanthrene	410	U
120-12-7-----	Anthracene	410	U
86-74-8-----	Carbazole	410	U
84-74-2-----	Di-n-butylphthalate	120	J
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
56-55-3-----	Benzo(a)anthracene	410	U
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

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 0289M

SAS No.:

SDG No.: MF1104

Level: (low/med) LOW

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

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (35-100)
 S2 (FBP) = 2-Fluorobiphenyl (45-100)
 S3 (TPH) = 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

3D
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

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS 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

* Values outside of QC limits

COMMENTS:

3D
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

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS 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

* Values outside of QC limits

COMMENTS:

3D
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

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS 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
* Values outside of QC limits

COMMENTS:

3D
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

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
=====	=====	=====	=====	=====	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:

3D
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

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
=====	=====	=====	=====	=====	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-phenyleth	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

* Values outside of QC limits

COMMENTS:

3D
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

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
bis(2-Ethylhexyl)phthal	2200	1700	77	5	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:

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: S3HLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS 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

* Values outside of QC limits

COMMENTS:

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: S3HLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Dimethylphthalate	1700		1400	82	50-110
Acenaphthylene	1700		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'-Dichlorobenzidine	1700		1400	82	10-130
Benzo(a)anthracene	1700		1500	88	50-110
Chrysene	1700		1400	82	55-110

(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:

FORM 3
SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1104

Matrix Spike - Sample No.: S3HLCS

Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
bis(2-Ethylhexyl)phthal	1700		1600	94	45-125
Di-n-octylphthalate	1700		1600	94	40-130
Benzo(b)fluoranthene	1700		1500	88	45-115
Benzo(k)fluoranthene	1700		1400	82	45-125
Benzo(a)pyrene	1700		1400	82	50-110
Indeno(1,2,3-cd)pyrene	1700		1400	82	40-120
Dibenzo(a,h)anthracene	1700		1400	82	40-125
Benzo(g,h,i)perylene	1700		1400	82	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: 0 out of 0 outside limits

Spike Recovery: 0 out of 64 outside limits

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK3H

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 0289M

SAS No.:

SDG No.: MF1104

Lab File ID: S3E5442

Lab Sample ID: MB-31658

Instrument ID: S3

Date Extracted: 08/13/07

Matrix: (soil/water) SOIL

Date Analyzed: 08/20/07

Level: (low/med) LOW

Time Analyzed: 1717

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	=====	=====	=====	=====
01	S3HLCS	LCS-31658	S3E5443	08/20/07
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
08	VEW-1 4-8'	F1104-07A	S3E5476	08/22/07
09	VEW-1 8-12'	F1104-08A	S3E5477	08/22/07
10	VEW-1 12-16'	F1104-09A	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
16	ASW 12-16'	F1104-15A	S3E5484	08/22/07
17	VEW-3 4-8'	F1104-16A	S3E5485	08/22/07
18	VEW-3 8-12'	F1104-17A	S3E5486	08/22/07
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:

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3H

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: 0289M SAS No.: _____ SDG No.: MF1104

Matrix: (soil/water) SOIL Lab Sample ID: MB-31658

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3E5442

Level: (low/med) LOW Date Received: _____

% Moisture: 0 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:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
111-91-1	bis(2-Chloroethoxy) methane	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	670	U
83-32-9	Acenaphthene	330	U

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3H

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.: 0289M

SAS No.:

SDG No.: MF1104

Matrix: (soil/water) SOIL

Lab Sample ID: MB-31658

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S3E5442

Level: (low/med) LOW

Date Received: _____

% Moisture: 0 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: _____

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

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

(1) - Cannot be separated from Diphenylamine



* Wet Chemistry *

Mitkem Corporation

Date: 20-Aug-07

Client: Earth Tech

Client Sample ID: VEW-3/4 4-8'

Lab ID: F1104-01

Project: Korkay Inc

Collection Date: 08/09/07 9:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion				E415_LK_TOC_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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

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

Project: Korkay Inc
Collection Date: 08/09/07 9:05

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion							
Organic Carbon, Total	1100		100	mg/Kg		108/16/2007 9:55	31741

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

Client: Earth Tech

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

Lab ID: F1104-03

Project: Korkay Inc

Collection Date: 08/09/07 9:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion							
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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

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

Project: Korkay Inc
Collection 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		100	mg/Kg		1 08/16/2007 9:55	31741

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

Client: Earth Tech
Client Sample ID: VEW-4 8-12'
Lab ID: F1104-05

Project: Korkay Inc
Collection Date: 08/09/07 9:10

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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

Client: Earth Tech

Client Sample ID: VEW-4 12-16'

Lab ID: F1104-06

Project: Korkay Inc

Collection Date: 08/09/07 9:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion				E415_LK_TOC_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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

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

Project: Korkay Inc
Collection Date: 08/09/07 10:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion							
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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

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

Project: Korkay Inc
Collection Date: 08/09/07 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion			E415_LK_TOC_S				
Organic Carbon, Total	690		100	mg/Kg	1	08/16/2007 9:55	31741

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

Client: Earth Tech
Client Sample ID: VEW-1 12-16'
Lab ID: F1104-09

Project: Korkay Inc
Collection Date: 08/09/07 10:20

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

E415_LK_TOC_S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

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

Project: Korkay Inc
Collection Date: 08/09/07 11:10

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

E415_LK_TOC_S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

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

Project: Korkay Inc
Collection 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			100		mg/Kg	
						E415_LK_TOC_S	
						1 08/16/2007 9:55	31741

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

Client: Earth Tech
Client Sample ID: VEW-2 12-16'
Lab ID: F1104-12

Project: Korkay Inc
Collection Date: 08/09/07 11:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion			E415_LK_TOC_S				
Organic Carbon, Total	1000		100	mg/Kg	1	08/16/2007 9:55	31741

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

Client: Earth Tech
Client Sample ID: ASW 4-8'
Lab ID: F1104-13

Project: Korkay Inc
Collection Date: 08/09/07 10:35

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

E415_LK_TOC_S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

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

Project: Korkay Inc
Collection Date: 08/09/07 10:40

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion			E415_LK_TOC_S				
Organic Carbon, Total	550		100	mg/Kg	1	08/16/2007 9:55	31741

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

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

Project: Korkay Inc
Collection Date: 08/09/07 10:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion							
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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

Client: Earth Tech
Client Sample ID: VEW-3 4-8'
Lab ID: F1104-16

Project: Korkay Inc
Collection Date: 08/09/07 11:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion							
Organic Carbon, Total	660		100	mg/Kg		1 08/16/2007 9:55	31741

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

Client: Earth Tech
Client Sample ID: VEW-3 8-12'
Lab ID: F1104-17

Project: Korkay Inc
Collection Date: 08/09/07 11:15

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

E415_LK_TOC_S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 20-Aug-07

Client: Earth Tech
Client Sample ID: VEW-3 12-16'
Lab ID: F1104-18

Project: Korkay Inc
Collection Date: 08/09/07 11:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
TOTAL ORGANIC CARBON by Combustion			E415_LK_TOC_S				
Organic Carbon, Total	850		100	mg/Kg	1	08/16/2007 9:55	31741

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

CLIENT: Earth Tech
Work Order: F1104
Project: Korkay Inc

ANALYTICAL QC SUMMARY REPORT

TestCode: E415_LK_TOC_S

Sample ID: MB-31741	SampType: MBLK	TestCode: E415_LK_TOC_S	Prep Date: 8/16/2007	Run ID: TOC1_070816A
Client ID: MB-31741	Batch ID: 31741	Units: mg/Kg	Analysis Date: 8/16/2007	SeqNo: 678813
Analyte		Result	SPK value	SPK Ref Val
		ND	1000	0
Organic Carbon, Total		ND	100	

Sample ID: LCS-31741	SampType: LCS	TestCode: E415_LK_TOC_S	Prep Date: 8/16/2007	Run ID: TOC1_070816A
Client ID: LCS-31741	Batch ID: 31741	Units: mg/Kg	Analysis Date: 8/16/2007	SeqNo: 678814
Analyte		Result	SPK value	SPK Ref Val
		1079	1000	0
Organic Carbon, Total		1079	100	

0196

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

Last Page of Data Report

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 American Blvd.
Latham, NY 12110

Phone: (518) 951-2200

Fax:

MI Identifier: 043EH

Date Rec: 08/10/2007

Report Date: 08/20/2007

Client Project #: 99165

Client Project Name: Korkay

Purchase Order #:

Analysis Requested: CENSUS

Comments:

All samples within this data package were analyzed under U.S. EPA Good Laboratory Practice Standards: Toxic Substances Control Act (40 CFR part 790). All samples were processed according to standard operating procedures. Test results submitted in this data package meet the quality assurance requirements established by Microbial Insights, Inc.

Reported By:

A handwritten signature in blue ink that reads 'Anita Biernacki'.

Reviewed By:

A handwritten signature in blue ink that reads 'Dora M. Ogles'.

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.

MICROBIAL INSIGHTS, INC.

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

Q Potential (DNA)

Client: Earth Tech, Inc.
Project: Korkay

MI Project Number: 043EH
Date Received: 08/10/2007

Sample Information

Client Sample 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 Genes

Soluble Methane Monooxygenase	sMMO	<1.02E+03	<9.97E+02	<1.34E+03	2.66E+02 (J)	<9.66E-01
-------------------------------	------	-----------	-----------	-----------	---------------------	-----------

Phylogenetic Group

Eubacteria	EBAC	2.28E+06	3.94E+06	1.83E+06	1.52E+07	6.31E+04
Methanotrophs (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 II MOB	MOBII	6.64E+00 (J)	1.78E+03	1.83E-01 (J)	8.53E+03	<9.66E-01

Legend:

NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = 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 Regenesys.

MICROBIAL INSIGHTS, INC.

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

Q Potential (DNA)

Client: Earth Tech, Inc.
Project: Korkay

MI Project Number: 043EH
Date Received: 08/10/2007

Sample Information

Client Sample 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 Genes

Soluble Methane Monooxygenase	sMMO	<1.14E+00	<1.45E+00	1.26E+03
-------------------------------	------	-----------	-----------	-----------------

Phylogenetic Group

Eubacteria	EBAC	2.93E+06	1.02E+06	6.6E+06
Methanotrophs (total)	MOB	<1.14E+00	2.87E-01 (J)	2.48E+04
Type I MOB	MOBI	<1.14E+00	2.87E-01 (J)	1.43E+04
Type II MOB	MOBII	<1.14E+00	<1.45E+00	1.05E+04

Legend:

NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = 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 Regenesys.

Microbial Insights

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

COC Number 066202

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION				CLIENT PROJECT INFORMATION				CLIENT BILLING INFORMATION							
REPORT TO BE SENT TO: COMPANY: <u>EARTH TECH</u> ADDRESS: <u>40 BRITISH AMERICAN BLVD</u> CITY: <u>LATHAM</u> STATE: <u>NY</u> ZIP: <u>12110</u> ATTENTION: <u>SCOTT UNDERHILL</u> PHONE: <u>(518) 396-7638</u> FAX: <u>(518) 957-2300</u>				PROJECT NAME: <u>KORKAY</u> LOCATION: _____ PROJECT NO.: <u>99165</u> PROJECT MANAGER: <u>SCOTT UNDERHILL</u> e-mail: <u>SCOTT.UNDERHILL@EARTHTECH.COM</u> PHONE: _____ FAX: _____				BILL TO: _____ PO#: _____ ADDRESS: _____ CITY: _____ STATE: _____ ZIP: _____ ATTENTION: _____ PHONE: _____							
DATA TURNAROUND INFORMATION FAX: _____ DAYS: _____ HARD COPY: _____ DAYS: _____ EDD: _____ DAYS: _____ * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS				DATA DELIVERABLE INFORMATION <input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> USEPA CLP <input type="checkbox"/> RESULTS + QC <input type="checkbox"/> New York State ASP "B" <input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A" <input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other _____ <input type="checkbox"/> EDD FORMAT _____				ANALYSIS <div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); transform-origin: center;"> TOTAL EDD REQUIRED - 10 1 2 3 4 5 6 7 8 9 3 MNO 2 METHANOL 5 ME </div>							
CHEMTECH SAMPLE ID		PROJECT IDENTIFICATION		SAMPLE MATRIX		SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES		PRESERVATIVES		COMMENTS	
						DATE		TIME							
1. 043541	ASW	8-12'	Solid	X	8/9/07	1040	1	X	X	1	E	1	E	1	
2.	VEW-1	8-12'	↓	↓	↓	1015	1	↓	↓	1	E	2	E	2	
3.	VEW-3	8-12'	↓	↓	↓	1115	1	↓	↓	1	E	3	E	3	
4.	VEW-4	8-12'	↓	↓	↓	0910	1	↓	↓	1	E	4	E	4	
5.												5			
6.												6			
7.												7			
8.												8			
9.												9			
10.															

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. <u>Scott Underhill</u>	8/9/07 1530	1. _____	8/9/07 1530
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
2. _____		2. _____	
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:	DATE/TIME:
3. _____		3. <u>William Mora</u>	8/10/07 1500

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant Cooler Temp. _____
 MeOH extraction requires an additional 4 oz jar for percent solid. Ice in Cooler?: yes
 Comments: _____

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
 CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT
 Shipment Complete: ☐ YES ☐ NO

INVOICE

For Invoice
correspo

Name:

Compar

Address:

email:

Phone:

Fax:

Purchase

Subcon

10

☐ Comprehensive (15% surcharge)☐ Comprehensive (15% surcharge)

Please contact us prior to submitting samples regarding questions about the analyses you are requesting at (865) 573

Sample Information

[illegible]

Date: . . . Re

ate: 8/14/07 1800 hrs

In order for analysis to be completed correctly, it is vital that chain of custody is filled out correctly & that all relative information is provided. *** additional cost and sample preservation are associated with delays for which MI will not be liable.**

APPENDIX D
Pre-Startup Soil Sample Summary Table

TABLE 4-2

**NYSDEC
KORKAY INC SITE - #518014**

PRE-START-UP SOIL CONTAMINANT CONCENTRATIONS

SAMPLE CDM-VIEW1	NYSDEC TAGM	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-VIEW2		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-VIEW3		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-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-VIEW4		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)
VOCs						
1,2 Dichlorethene (total)	7.7-EE6	NS	NS	<25	<100	1,800
Xylenes	1,200	NS	NS	<25	640	7,700
Toluene	1,500	NS	NS	<25	<100	500
Ethylbenzene	5,500	NS	NS	<25	320	990

SAMPLE CDM-VIEW3/4		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						
Xylenes	1,200	NS	NS	NS	5,400	25,000
Toluene	1,500	NS	NS	NS	<500	2,200
Ethylbenzene	5,500	NS	NS	NS	1,900	7,300

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

APPENDIX E
Well Development Forms

Well Development/Purging Log

PROJECT NAME: Kor Kay Inc
PROJECT NUMBER: _____
DATE: Aug 14, 2007
SAMPLERS: W. GAMBINO

		Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>13.55</u>	1" 0.04
②	Casing Internal Diameter (in.)	<u>2"</u>	2" 0.17
③	Water Level Below Top of Casing (ft.)	<u>9.30</u>	3" 0.38
④	Volume of Water in Casing (gal.)		4" 0.66
			5" 1.04
			6" 1.50
			8" 2.60

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 (\quad)^2 \times (\quad) = \quad \text{gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED											
Gallons	0	0.7	0.7	0.7								
Time	1007	1010	1014	1017								
Conductivity (mohm/cm)	416	422	427	422								
Dissolved Oxygen (ppm)	11.54	12.44	12.52	12.89								
Eh (mV)												
pH	6.47	6.50	6.44	6.46								
Temp (°C)	16.7	15.2	14.9	14.9								
Turbidity (NTUs)	10	10	10	10								

COMMENTS:

Clear with septic odor

9.42' final
depth to water
@ 1020

Well Development/Purging Log

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

		Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>54.48</u>	1" 0.04
②	Casing Internal Diameter (in.)	<u>2"</u>	2" 0.17
③	Water Level Below Top of Casing (ft.)	<u>28.35</u>	3" 0.38
④	Volume of Water in Casing (gal.)		4" 0.66
			5" 1.04
			6" 1.50
			8" 2.60

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 (\quad)^2 \times (\quad) = \quad \text{gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED											
Gallons	0	4.4	4.4	4.4								
Time	1426	1440	1451	1505								
Conductivity (mohm/cm)	646	562	600	598								
Dissolved Oxygen (ppm)	13.93	14.21	13.97	13.94								
Eh (mV)												
pH	11.33	11.26	11.46	11.42								
Temp (°C)	16.7	14.3	15.1	15.1								
Turbidity (NTUe)	379	351	451	459								

COMMENTS:

WATER VERY TURBID & SILTY
48.11' Level (Signal)
To water @ 1515

Well Development/Purging Log

PROJECT NAME: Korkay Inc

PROJECT NUMBER: _____

DATE: Aug. 14, 2007

SAMPLERS: W. GAMBLO, T. Ragosta

		* Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>13.82</u>	1" 0.04
②	Casing Internal Diameter (In.)	<u>2"</u>	2" 0.17
③	Water Level Below Top of Casing (ft.)	<u>9.80</u>	3" 0.38
④	Volume of Water In Casing (gal.)		4" 0.66
			5" 1.04
			6" 1.50
			8" 2.60

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 ()^2 \times () = \text{_____ gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED									
Gallons	0	0.7	0.7	0.7						
Time	12:05	12:09	12:13	12:16						
Conductivity (mohm/cm)	.194	.302	.225	.235						
Dissolved Oxygen (ppm)	15.20	15.73	15.69	15.92						
Eh (mV)										
pH	6.92	6.74	6.57	6.53						
Temp (°C)	16.4	14.9	14.5	14.1						
Turbidity (NTUs)	398	346	27	100						

COMMENTS: Installed lock #0344

* CHECK TD

Rest color - slight odor

MWK-4 is Duplicate for VOA's only

11.48' final

depth to water @ 1220

Well Development/Purging Log

PROJECT NAME: Konkey Inc

PROJECT NUMBER: _____

DATE: Aug 14, 2007

SAMPLERS: W. GAMBLER, T. Ragosta

		Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>12.60</u>	1" 0.04
②	Casing Internal Diameter (in.)	<u>2"</u>	2" 0.17
③	Water Level Below Top of Casing (ft.)	<u>8.65</u>	3" 0.38
④	Volume of Water in Casing (gal.)		4" 0.66
			5" 1.04
			6" 1.50
			8" 2.60

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 ()^2 \times () = \text{gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED							
Gallons	0	0.7	0.7	0.7				
Time	1430	1434	1438	1445				
Conductivity (mohm/cm)	214	210	214	214				
Dissolved Oxygen (ppm)	13.76	12.63	14.18	13.30				
Eh (mV)								
pH	7.90	7.70	7.47	7.12				
Temp (°C)	17.2	16.0	15.5	16.0				
Turbidity (NTUs)	75	125	88	87				

COMMENTS:

Rust color slight odor -

8.66'
Sust level to
water @ 1449

Well Development/Purging Log

PROJECT NAME: Korkay Inc

PROJECT NUMBER: _____

DATE: Aug 14, 2007

SAMPLERS: W. GAMBLE, T. Ragosta

		Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>10.82</u>	1" 0.04
②	Casing Internal Diameter (in.)	<u>2'</u>	2" 0.17
③	Water Level Below Top of Casing (ft.)	<u>7.23</u>	3" 0.38
④	Volume of Water In Casing (gal.)		4" 0.66
			5" 1.04
			6" 1.50
			8" 2.60

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 (\quad)^2 \times (\quad) = \quad \text{gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED											
Gallons	0	0.6	0.6	0.6								
Time	0800	0810	0815	0820								
Conductivity (mohm/cm)	.357	.498	.497	.460								
Dissolved Oxygen (ppm)	9.88	9.54	9.50	9.62								
Eh (mV)												
pH	7.56	7.60	7.57	7.08								
Temp (°C)	16.3	16.7	16.8	16.7								
Turbidity (NTUs)	513	171	105	100								

COMMENTS:

SEWER ODDR- VERY TURBID

7.36' final
level to water
@ 0821

Well Development/Purging Log

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

		Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>54.25</u>	1" 0.04
②	Casing Internal Diameter (in.)	<u>2"</u>	2" 0.17
③	Water Level Below Top of Casing (ft.)	<u>28.03</u>	3" 0.38
④	Volume of Water In Casing (gal.)		4" 0.66
			5" 1.04
			6" 1.50
			8" 2.60

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 (\quad)^2 \times (\quad) = \quad \text{gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED											
Gallons	0	4.5	4.5	4.5								
Time	0730	0742	0754	0809								
Conductivity (mohm/cm)	240	251	228	217								
Dissolved Oxygen (ppm)	11.92	12.16	12.20	11.27								
Eh (mV)												
pH	9.67	10.16	9.84	9.28								
Temp (°C)	13.6	12.7	12.6	13.5								
Turbidity (NTUs)	4.8	5.5	4.3	4.9	3.26							

COMMENTS:

Turbid with greyish color-
slight septic odor

45.93'
Swal volume
To water
@ 0808

Well Development/Purging Log

PROJECT NAME: Kor Kay Inc
PROJECT NUMBER: _____
DATE: Aug 14, 2007
SAMPLERS: W. GAMBELL, T. Ragosta

		Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>12.58</u>	1" 0.04
②	Casing Internal Diameter (in.)	<u>2"</u>	2" 0.17
③	Water Level Below Top of Casing (ft.)	<u>8.05</u>	3" 0.38
④	Volume of Water In Casing (gal.)		4" 0.66
			5" 1.04
			6" 1.50
			8" 2.60

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 (\quad)^2 \times (\quad) = \quad \text{gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED											
Gallons	0	0.7	0.7	0.7								
Time	1332	1336	1340	1344								
Conductivity (mohm/cm)	.214	.149	.145	.148								
Dissolved Oxygen (ppm)	19.99	19.99	18.50	16.47								
Eh (mV)												
pH	6.65	6.41	6.62	6.39								
Temp (°C)	21.3	17.5	16.9	16.8								
Turbidity (NTUs)	13	125	147	999*								

COMMENTS:

clear with slight septic odor

* sample clear - turbidity meter malfunctioning

Placed Lock on well #0344 Key

8.12' static
Level to water @
1348

Well Development/Purging Log

PROJECT NAME: Korkog Inc
PROJECT NUMBER: _____
DATE: Aug 14, 2007
SAMPLERS: WGAMBIG, T. Ragosta

		Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>43.94</u>	1" 0.04
②	Casing Internal Diameter (in.)	<u>2"</u>	2" 0.17
③	Water Level Below Top of Casing (ft.)	<u>28.12</u>	3" 0.38
④	Volume of Water in Casing (gal.)		4" 0.66
			5" 1.04
			6" 1.50
			8" 2.60

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 ()^2 \times () = \text{gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED											
Gallons	0	3	3	3								
Time	130	137	144	150								
Conductivity (mohm/cm)	.115	.120	.123	.122								
Dissolved Oxygen (ppm)	19.89	18.79	16.52	14.30								
Eh (mV)												
pH	7.21	7.25	7.27	7.25								
Temp (°C)	16.5	13.4	13.8	13.2								
Turbidity (NTUs)	172	242	80	120								
			dry									

COMMENTS:

*Note dry @ 38.33' @ 1:49 PM
Lock # 0344

Well Development/Purging Log

PROJECT NAME: Korkog Inc

PROJECT NUMBER: _____

DATE: Aug 14, 2007

SAMPLERS: W. GAMBRO, T. Ragosta

		Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>9.70</u>	1" 0.04
②	Casing Internal Diameter (in.)	<u>2"</u>	2" 0.17
③	Water Level Below Top of Casing (ft.)	<u>9.64</u>	3" 0.38
④	Volume of Water in Casing (gal.)		4" 0.66
			5" 1.04
			6" 1.50
			8" 2.60

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 (\quad)^2 \times (\quad) = \underline{0.01} \text{ gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED											
Gallons	0	0.04	0.08	0.12								
Time	0950	0955	0958	1001								
Conductivity (mohm/cm)	.274	.301	.290	.274								
Dissolved Oxygen (ppm)	11.07	11.28	11.56	11.43								
Eh (mV)												
pH	6.46	6.35	6.38	6.41								
Temp (°C)	17.6	17.2	16.4	16.4								
Turbidity (NTUs)	10	10	16	10								

COMMENTS:

Signal Level
to water @ 9.65' } Clear with sediment (black particles)
1003 } septic odor

Well Development/Purging Log

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

		Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>10.89</u>	1" 0.04
②	Casing Internal Diameter (in.)	<u>2"</u>	2" 0.17
③	Water Level Below Top of Casing (ft.)	<u>9.54</u>	3" 0.38
④	Volume of Water in Casing (gal.)		4" 0.66
			5" 1.04
			6" 1.50
			8" 2.60

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 ()^2 \times () = \text{gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED									
Gallons	0	0.2	0.2	0.2						
Time	0906	0910	0913	0916						
Conductivity (mohm/cm)	-319	-309	-324	-335						
Dissolved Oxygen (ppm)	10.11	10.76	10.80	10.98						
Eh (mV)										
pH	6.77	6.78	6.73	6.68						
Temp (°C)	17.5	15.9	15.2	15.1						
Turbidity (NTUs)	31	10	10	10						

COMMENTS:

first volume
to water @ 0920
9.76' } Rust Color with slight odor
cleared right up

Well Development/Purging Log

PROJECT NAME: Korkay Inc

PROJECT NUMBER: _____

DATE: Aug 14, 2007

SAMPLERS: W. GAMBLO, T. Ragosta

		Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>10.72</u>	1" 0.04
②	Casing Internal Diameter (in.)	<u>2"</u>	2" 0.17
③	Water Level Below Top of Casing (ft.)	<u>10.19</u>	3" 0.38
④	Volume of Water in Casing (gal.)		4" 0.66
			5" 1.04
			6" 1.50
			8" 2.60

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 ()^2 \times () = \text{_____ gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED									
Gallons	0	.09	.09	.09						
Time	0850	0854	0858	0902						
Conductivity (mohm/cm)	.506	.519	.517	.509						
Dissolved Oxygen (ppm)	9.79	10.56	10.19	10.25						
Eh (mV)										
pH	6.87	6.95	7.08	7.15						
Temp (°C)	17.7	16.3	16.8	16.8						
Turbidity (NTUs)	10.0	10.0	10.0	10.0						

COMMENTS:

clear with septic odor.

10.41 gph
Lowal to water
@ 0905

Well Development/Purging Log

PROJECT NAME: KorKay Inc
PROJECT NUMBER: _____
DATE: Aug 14, 2007
SAMPLERS: W. GAMBLES, T. Ragosta

		Well I.D.	Vol. Gal./Ft.
①	Total Casing and Screen Length (ft.)	<u>10.87</u>	1" 0.04
②	Casing Internal Diameter (in.)	<u>2"</u>	2" 0.17
		3" 0.38	4" 0.66
③	Water Level Below Top of Casing (ft.)	<u>10.22</u>	5" 1.04
		6" 1.50	8" 2.60
④	Volume of Water in Casing (gal.)		

$$v = 0.0408 (②)^2 \times (① - ③) = ④$$

$$v = 0.0408 ()^2 \times () = \text{gal.}$$

PARAMETER	ACCUMULATED VOLUME PURGED									
Gallons	0	0.1	0.1	0.1						
Time	1136	1140	1144	1147						
Conductivity (mohm/cm)	.550	.516	.513	.547						
Dissolved Oxygen (ppm)	12.43	12.12	11.78	12.49						
Eh (mV)										
pH	7.00	6.80	6.70	6.76						
Temp (°C)	20.0	20.1	20.5	19.5						
Turbidity (NTUs)	270	345	385	10						

COMMENTS:

1020' gravel
depth to water
@ 1151

Turbid with septic odor -
dry after 3rd purge

APPENDIX F

Groundwater Analytical Results

**MITKEM
CORPORATION**

"Environmental Testing For The New Millennium"

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

Mitkem Corporation

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

Project Name : Korkay Inc

SDG : F1131

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
MW8D	F1131-01	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA
MW8D	F1131-01				SW6010B_W	
MW8S	F1131-02	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA
MW8S	F1131-02				SW6010B_W	
VEW2	F1131-03	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA
VEW2	F1131-03				SW6010B_W	
VEW3	F1131-04	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA
VEW3	F1131-04				SW6010B_W	
ASW	F1131-05	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA
ASW	F1131-05				SW6010B_W	
VEW1	F1131-06	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA
VEW1	F1131-06				SW6010B_W	
VEW4	F1131-07	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA
VEW4	F1131-07				SW6010B_W	
K-2	F1131-08	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA
K-2	F1131-08				SW6010B_W	
K-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	
K13	F1131-12	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA
K13	F1131-12				SW6010B_W	
FLUSHMOUNT	F1131-13	SW8260B_W	SW8270C_W		SW6010B_W	SEE DATA
FLUSHMOUNT	F1131-13				SW6010B_W	
TB081407	F1131-14	SW8260B_W				

Mitkem Corporation

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

Project Name : Korkay Inc

SDG : F1131

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date 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

Mitkem Corporation

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

Project Name : Korkay Inc

SDG : F1131

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date 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

Mitkem Corporation

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

Project Name : Korkay Inc

SDG : F1131

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260B_W					
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
F1131-14A	AQ	SW8260B_W	NA	LOW	1

Mitkem Corporation

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

Project Name : Korkay Inc

SDG : F1131

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
SW8270C_W					
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

Mitkem Corporation

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

Project Name : Korkay Inc

SDG : F1131

Laboratory Sample ID	Matrix	Metals Requested	Date Received By Lab	Date 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
F1131-04E	AQ	SW6010B_W	8/15/2007	8/24/2007
F1131-04F	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
F1131-08F	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
F1131-11F	AQ	SW6010B_W	8/15/2007	8/24/2007
F1131-12E	AQ	SW6010B_W	8/15/2007	8/24/2007
F1131-12F	AQ	SW6010B_W	8/15/2007	8/24/2007
F1131-13E	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 2,4-dimethylphenol 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 analysed 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 Chromatography, 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.

A handwritten signature in black ink, appearing to read "Shirley Ng". The signature is written in a cursive, flowing style.

Shirley Ng
Project Manager
08/31/07

Mitkem and Client Sample ID Summary Report*

Mitkem Workorder: F1131

Client Name: Earth Tech

Mitkem Sample ID	Reported Client Sample ID	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"

<i>Mitkem Sample ID</i>	<i>Reported Client Sample ID</i>	<i>Full Client Sample ID</i>
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"*

<i>Mitkem Sample ID</i>	<i>Reported Client Sample ID</i>	<i>Full Client Sample ID</i>
F1131-13G	FLUSHMOUNT	KORKAY FLUSHMOUNT
F1131-14A	TB081407	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"*

Client ID: EARTH_NY

Project: Korkay Inc

Location:

Comments: N/A

Case:

SDG:

PO: 99165

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
F1131-01A	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-01B	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2
F1131-01C	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	SW8270C_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO
F1131-01D	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	E300IC_W	CL, P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
F1131-01E	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-01F	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
					SW6010B_W	Fe, Mn, Cu (Dissolved)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-01G	MW8D	08/14/2007 8:30	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1131-02A	MW8S	08/14/2007 9:00	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-02B	MW8S	08/14/2007 9:00	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2

Client Rep: Shirley S Ng

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00000

Client ID: EARTH_NY

Project: Korkay Inc

Location:

Comments: N/A

Case:

SDG:

PO: 99165

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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO
F1131-02D	MW8S	08/14/2007 9:00	08/15/2007	Aqueous	E300IC_W	CL, P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
F1131-02E	MW8S	08/14/2007 9:00	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-02F	MW8S	08/14/2007 9:00	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
					SW6010B_W	Fe, Mn, Cu (Dissolved)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-02G	MW8S	08/14/2007 9:00	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1131-03A	VEW2	08/14/2007 10:00	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-03B	VEW2	08/14/2007 10:00	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2
F1131-03C	VEW2	08/14/2007 10:00	08/15/2007	Aqueous	SW8270C_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO

Client Rep: Shirley S Ng

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Client ID: EARTH_NY

Project: Korkay Inc

Location:

Comments: N/A

Case:

SDG:

PO: 99165

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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
F1131-03E	VEW2	08/14/2007 10:00	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-03F	VEW2	08/14/2007 10:00	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
					SW6010B_W	Fe, Mn, Cu (Dissolved)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-03G	VEW2	08/14/2007 10:00	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1131-04A	VEW3	08/14/2007 9:30	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-04B	VEW3	08/14/2007 9:30	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2
F1131-04C	VEW3	08/14/2007 9:30	08/15/2007	Aqueous	SW8270C_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO
F1131-04D	VEW3	08/14/2007 9:30	08/15/2007	Aqueous	E300IC_W	CL, P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3

Client Rep: Shirley S Ng

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Client ID: EARTH_NY

Project: Korkay Inc

Location:

Comments: N/A

Case:

SDG:

PO: 99165

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
F1131-04E	VEW3	08/14/2007 9:30	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-04F	VEW3	08/14/2007 9:30	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
					SW6010B_W	Fe, Mn, Cu (Dissolved)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-04G	VEW3	08/14/2007 9:30	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1131-05A	ASW	08/14/2007 10:30	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-05B	ASW	08/14/2007 10:30	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2
F1131-05C	ASW	08/14/2007 10:30	08/15/2007	Aqueous	SW8270C_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO
F1131-05D	ASW	08/14/2007 10:30	08/15/2007	Aqueous	E300IC_W	CL, P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
F1131-05E	ASW	08/14/2007 10:30	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-05F	ASW	08/14/2007 10:30	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5

Client Rep: Shirley S Ng

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Client ID: EARTH_NY

Project: Korkay Inc

Location:

Comments: N/A

Case:

SDG:

PO: 99165

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)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-05G	ASW	08/14/2007 10:30	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1131-06A	VEW1	08/14/2007 11:00	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-06B	VEW1	08/14/2007 11:00	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2
F1131-06C	VEW1	08/14/2007 11:00	08/15/2007	Aqueous	SW8270C_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO
F1131-06D	VEW1	08/14/2007 11:00	08/15/2007	Aqueous	E300IC_W	CL, P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
F1131-06E	VEW1	08/14/2007 11:00	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-06F	VEW1	08/14/2007 11:00	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
					SW6010B_W	Fe, Mn, Cu (Dissolved)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-06G	VEW1	08/14/2007 11:00	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4

Client Rep: Shirley S Ng

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Client ID: EARTH_NY

Project: Korkay Inc

Location:

Comments: N/A

Case:

SDG:

PO: 99165

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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-07B	VEW4	08/14/2007 11:30	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2
F1131-07C	VEW4	08/14/2007 11:30	08/15/2007	Aqueous	SW8270C_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO
F1131-07D	VEW4	08/14/2007 11:30	08/15/2007	Aqueous	E300IC_W	CL, P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
F1131-07E	VEW4	08/14/2007 11:30	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-07F	VEW4	08/14/2007 11:30	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
					SW6010B_W	Fe, Mn, Cu (Dissolved)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-07G	VEW4	08/14/2007 11:30	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14
F1131-08A	K-2	08/14/2007 12:30	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

Client Rep: Shirley S Ng

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Client ID: EARTH_NY

Project: Korkay Inc

Location:

Comments: N/A

Case:

SDG:

PO: 99165

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
F1131-08B	K-2	08/14/2007 12:30	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2
F1131-08C	K-2	08/14/2007 12:30	08/15/2007	Aqueous	SW8270C_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO
F1131-08D	K-2	08/14/2007 12:30	08/15/2007	Aqueous	E300IC_W	CL, P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
F1131-08E	K-2	08/14/2007 12:30	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-08F	K-2	08/14/2007 12:30	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
					SW6010B_W	Fe, Mn, Cu (Dissolved)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-08G	K-2	08/14/2007 12:30	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1131-09A	K-4	08/14/2007 13:30	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-10A	MW15S	08/14/2007 14:00	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-10B	MW15S	08/14/2007 14:00	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2

Client Rep: Shirley S Ng

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Client ID: EARTH_NY

Project: Korkay Inc

Location:

Comments: N/A

Case:

SDG:

PO: 99165

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		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO
F1131-10D	MW15S	08/14/2007 14:00	08/15/2007	Aqueous	E300IC_W	CL, P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
F1131-10E	MW15S	08/14/2007 14:00	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-10F	MW15S	08/14/2007 14:00	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
					SW6010B_W	Fe, Mn, Cu (Dissolved)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-10G	MW15S	08/14/2007 14:00	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1131-11A	MW15D	08/14/2007 14:30	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-11B	MW15D	08/14/2007 14:30	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2
F1131-11C	MW15D	08/14/2007 14:30	08/15/2007	Aqueous	SW8270C_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO

Client Rep: Shirley S Ng

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9915

Client ID: EARTH_NY

Project: Korkay Inc

Location:

Comments: N/A

Case:

SDG:

PO: 99165

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
F1131-11D	MW15D	08/14/2007 14:30	08/15/2007	Aqueous	E300IC_W	CL, P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
F1131-11E	MW15D	08/14/2007 14:30	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-11F	MW15D	08/14/2007 14:30	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
					SW6010B_W	Fe, Mn, Cu (Dissolved)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-11G	MW15D	08/14/2007 14:30	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1131-12A	K13	08/14/2007 16:00	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-12B	K13	08/14/2007 16:00	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2
F1131-12C	K13	08/14/2007 16:00	08/15/2007	Aqueous	SW8270C_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO
F1131-12D	K13	08/14/2007 16:00	08/15/2007	Aqueous	E300IC_W	CL, P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3

Client Rep: Shirley S Ng

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Client ID: EARTH_NY

Project: Korkay Inc

Location:

Comments: N/A

Case:

SDG:

PO: 99165

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
F1131-12E	K13	08/14/2007 16:00	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-12F	K13	08/14/2007 16:00	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5
					SW6010B_W	Fe, Mn, Cu (Dissolved)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-12G	K13	08/14/2007 16:00	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1131-13A	FLUSHMOUNT	08/14/2007 17:00	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
F1131-13B	FLUSHMOUNT	08/14/2007 17:00	08/15/2007	Aqueous	E415.1_TOC_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	G2
F1131-13C	FLUSHMOUNT	08/14/2007 17:00	08/15/2007	Aqueous	SW8270C_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H FLOO
F1131-13D	FLUSHMOUNT	08/14/2007 17:00	08/15/2007	Aqueous	E300IC_W	CL, P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
					SM2320_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H3
F1131-13E	FLUSHMOUNT	08/14/2007 17:00	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-13F	FLUSHMOUNT	08/14/2007 17:00	08/15/2007	Aqueous	FILTER_I_PR		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M5

Client Rep: Shirley S Ng

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Client ID: EARTH_NY

Project: Korkay Inc

Location:

Comments: N/A

Case:

SDG:

PO: 99165

Report Level: ASP-A

EDD:

HC Due: 08/31/07

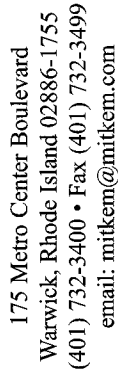
Fax Due:

Sample ID	HS Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Lab Test Comments	Hold	MS	SEL	Storage
F1131-13F	FLUSHMOUNT	08/14/2007 17:00	08/15/2007	Aqueous	SW6010B_W	Fe, Mn, Cu (Dissolved)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	M5
F1131-13G	FLUSHMOUNT	08/14/2007 17:00	08/15/2007	Aqueous	SM4500_TKN_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
F1131-14A	TB081407	08/14/2007 7:00	08/15/2007	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

Client Rep: Shirley S Ng

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Sample Transmittal Documentation

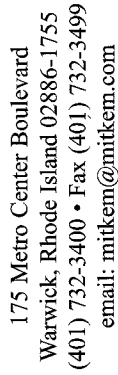


Page 1 of 2

REPORT TO				INVOICE TO													
COMPANY		PHONE		COMPANY		PHONE											
NAME		FAX		NAME		FAX											
ADDRESS				ADDRESS													
CITY/ST/ZIP				CITY/ST/ZIP													
Earth Tech, Inc				LAB PROJECT #:													
Lori Hoose				F1131													
40 British An. Blvd.				TURNAROUND TIME:													
Latham NY 12110																	
CLIENT PROJECT NAME:				REQUESTER ANALYSES:													
Korkay Inc				TCL VOA's 8260													
99165				TCL SVOC 8270													
				TCL 4/5.1													
				TCL KN													
				METALS DIS. FE, Mn, Cu													
				ALKALINITY, Mg, Ca													
				CHLORIDE, Nitrate, Phosphate													
				COMMENTS													
SAMPLE IDENTIFICATION		DATE/TIME SAMPLED		COMPOSITE		GRAB		WATER		SOIL		OTHER		LAB ID		# OF CONTAINERS	
Korkay TB081407		8/14/07 0700												14		1	
Korkay MW8D		0830				✓		✓						01		10	
Korkay MW8S		0900				✓		✓						02		10	
Korkay VEW2		1000				✓		✓						03		10	
Korkay VEW3		0930				✓		✓						04		10	
Korkay ASW		1030				✓		✓						05		10	
Korkay VEW1		1100				✓		✓						06		10	
Korkay VEW4		1130				✓		✓						07		10	
Korkay K-2		1230				✓		✓						08		10	
Korkay K-4		1330				✓		✓						09 2		10	
Korkay MW15S		1400				✓		✓						10		10	
Korkay MW15D		1430				✓		✓						11		10	
RELINQUISHED BY		DATE/TIME		ACCEPTED BY		DATE/TIME		ADDITIONAL REMARKS:		COOLER TEMP:							
Wesley Lambly		8/14/07 1800		Victoria Gaudreau		8/15/07 9:00				4°C							

OPEN

PINK: CLIENT'S COPY



Page 2 of 2

[illegible]

MITKEM CORPORATION

Sample Condition Form

Page 1 of 1

Received By: <u>VEG</u>		Reviewed By: <u>DKD</u>		Date: <u>8/15/07</u>		MITKEM Workorder #:	
Client Project: <u>Kor Key Inc.</u>				Client: <u>Earth Tech</u>			Soil Headspace or Air Bubbles ≥ 1/4"
				Preservation (pH)			
		Lab Sample ID		HNO ₃	H ₂ SO ₄	HCl	NaOH
1) Cooler Sealed <u>(Yes)</u> / No		F1131 01					
		02					
2) Custody Seal(s) <u>(Present)</u> / Absent		03					
<u>(Coolers)</u> / Bottles		04					
<u>(Intact)</u> / Broken		05					
		06					
3) Custody Seal Number(s) <u>N/A</u>		07					
		08					
		09					
		10					
		11					
4) Chain-of-Custody <u>(Present)</u> / Absent		12					
		13					
5) Cooler Temperature <u>4°C</u>		F1131 14					
Coolant Condition <u>ICE</u>							
6) Airbill(s) <u>(Present)</u> / Absent							
Airbill Number(s) <u>FedEx</u>							
<u>7955 0187 2846</u>							
<u>7955 0187 2824</u>							
<u>7955 0187 2835</u>							
<u>7955 0187 2857</u>							
<u>8596 5166 1087</u>							
7) Sample Bottles <u>(Intact)</u> / Broken / Leaking							
8) Date Received <u>8/15/07</u>							
9) Time Received <u>9:00</u>							
Preservative Name/Lot No:							

VOA Matrix Key:

US = Unpreserved Soil A = Air

UA = Unpreserved Aqu. H = HCl

M = MeOH E = Encore

N = NaHSO₄ F = Freeze

See Sample Condition Notification/Corrective Action Form yes / no

Rad OK yes/ no



* Volatiles *

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ASW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: 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

% 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	Q
---------	----------	--	---

75-71-8-----	Dichlorodifluoromethane	5	U
74-87-3-----	Chloromethane	5	U
75-01-4-----	Vinyl Chloride	5	U
74-83-9-----	Bromomethane	5	U
75-00-3-----	Chloroethane	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-35-4-----	1,1-Dichloroethene	5	U
67-64-1-----	Acetone	5	U
74-88-4-----	Iodomethane	5	U
75-15-0-----	Carbon Disulfide	5	U
75-09-2-----	Methylene Chloride	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
1634-04-4-----	Methyl tert-butyl ether	5	U
75-34-3-----	1,1-Dichloroethane	5	U
108-05-4-----	Vinyl acetate	5	U
78-93-3-----	2-Butanone	14	
156-59-2-----	cis-1,2-Dichloroethene	53	
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-Trichloroethane	5	U
563-58-6-----	1,1-Dichloropropene	5	U
56-23-5-----	Carbon Tetrachloride	5	U
107-06-2-----	1,2-Dichloroethane	5	U
71-43-2-----	Benzene	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	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
108-10-1-----	4-Methyl-2-pentanone	5	U
108-88-3-----	Toluene	19	
10061-02-6-----	trans-1,3-Dichloropropene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U

FORM I VOA

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ASW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: 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

% 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	Q
---------	----------	--	---

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	5	U
591-78-6-----	2-Hexanone	5	U
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	220	E
-----	m,p-Xylene	990	E
95-47-6-----	o-Xylene	500	E
1330-20-7-----	Xylene (Total)	1500	E
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
98-82-8-----	Isopropylbenzene	49	
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	74	
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	200	E
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	540	E
135-98-8-----	sec-Butylbenzene	28	
99-87-6-----	4-Isopropyltoluene	39	
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	3	J
104-51-8-----	n-Butylbenzene	60	
95-50-1-----	1,2-Dichlorobenzene	24	
96-12-8-----	1,2-Dibromo-3-chloropropane	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	130	
87-61-6-----	1,2,3-Trichlorobenzene	5	U

FORM I VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ASWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

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
---------	----------	--	---

75-71-8-----	Dichlorodifluoromethane	25	U
74-87-3-----	Chloromethane	25	U
75-01-4-----	Vinyl Chloride	25	U
74-83-9-----	Bromomethane	25	U
75-00-3-----	Chloroethane	25	U
75-69-4-----	Trichlorofluoromethane	25	U
75-35-4-----	1,1-Dichloroethene	25	U
67-64-1-----	Acetone	25	U
74-88-4-----	Iodomethane	25	U
75-15-0-----	Carbon Disulfide	25	U
75-09-2-----	Methylene Chloride	25	U
156-60-5-----	trans-1,2-Dichloroethene	25	U
1634-04-4-----	Methyl tert-butyl ether	25	U
75-34-3-----	1,1-Dichloroethane	25	U
108-05-4-----	Vinyl acetate	25	U
78-93-3-----	2-Butanone	25	U
156-59-2-----	cis-1,2-Dichloroethene	40	D
590-20-7-----	2,2-Dichloropropane	25	U
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
79-01-6-----	Trichloroethene	25	U
78-87-5-----	1,2-Dichloropropane	25	U
74-95-3-----	Dibromomethane	25	U
75-27-4-----	Bromodichloromethane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
108-10-1-----	4-Methyl-2-pentanone	25	U
108-88-3-----	Toluene	8	DJ
10061-02-6-----	trans-1,3-Dichloropropene	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U

FORM I VOA

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0026

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ASWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

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
---------	----------	--	---

142-28-9-----1,3-Dichloropropane	25	U
127-18-4-----Tetrachloroethene	10	DJB
591-78-6-----2-Hexanone	25	U
124-48-1-----Dibromochloromethane	25	U
106-93-4-----1,2-Dibromoethane	25	U
108-90-7-----Chlorobenzene	25	U
630-20-6-----1,1,1,2-Tetrachloroethane	25	U
100-41-4-----Ethylbenzene	65	D
-----m,p-Xylene	320	D
95-47-6-----o-Xylene	210	D
1330-20-7-----Xylene (Total)	540	D
100-42-5-----Styrene	25	U
75-25-2-----Bromoform	25	U
98-82-8-----Isopropylbenzene	7	DJ
79-34-5-----1,1,2,2-Tetrachloroethane	25	U
108-86-1-----Bromobenzene	25	U
96-18-4-----1,2,3-Trichloropropane	25	U
103-65-1-----n-Propylbenzene	8	DJ
95-49-8-----2-Chlorotoluene	25	U
108-67-8-----1,3,5-Trimethylbenzene	31	D
106-43-4-----4-Chlorotoluene	25	U
98-06-6-----tert-Butylbenzene	25	U
95-63-6-----1,2,4-Trimethylbenzene	130	D
135-98-8-----sec-Butylbenzene	25	U
99-87-6-----4-Isopropyltoluene	25	U
541-73-1-----1,3-Dichlorobenzene	25	U
106-46-7-----1,4-Dichlorobenzene	25	U
104-51-8-----n-Butylbenzene	7	DJ
95-50-1-----1,2-Dichlorobenzene	6	DJ
96-12-8-----1,2-Dibromo-3-chloropropane	25	U
120-82-1-----1,2,4-Trichlorobenzene	25	U
87-68-3-----Hexachlorobutadiene	25	U
91-20-3-----Naphthalene	58	DB
87-61-6-----1,2,3-Trichlorobenzene	25	U

1A
VOLATILE 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: F1131-13A

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

Lab File ID: V5H9888

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	Q
---------	----------	--	---

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

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1A
VOLATILE 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: F1131-13A

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

Lab File ID: V5H9888

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	Q
---------	----------	--	---

142-28-9-----1,3-Dichloropropane	5	U
127-18-4-----Tetrachloroethene	5	U
591-78-6-----2-Hexanone	5	U
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
108-86-1-----Bromobenzene	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
103-65-1-----n-Propylbenzene	5	U
95-49-8-----2-Chlorotoluene	5	U
108-67-8-----1,3,5-Trimethylbenzene	5	U
106-43-4-----4-Chlorotoluene	5	U
98-06-6-----tert-Butylbenzene	5	U
95-63-6-----1,2,4-Trimethylbenzene	5	U
135-98-8-----sec-Butylbenzene	5	U
99-87-6-----4-Isopropyltoluene	5	U
541-73-1-----1,3-Dichlorobenzene	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	5	U
120-82-1-----1,2,4-Trichlorobenzene	5	U
87-68-3-----Hexachlorobutadiene	5	U
91-20-3-----Naphthalene	5	U
87-61-6-----1,2,3-Trichlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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)

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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)

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

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	2	JB
591-78-6-----	2-Hexanone	5	U
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	12	
-----	m,p-Xylene	16	
95-47-6-----	o-Xylene	30	
1330-20-7-----	Xylene (Total)	46	
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
98-82-8-----	Isopropylbenzene	4	J
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	4	J
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	3	J
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	60	
135-98-8-----	sec-Butylbenzene	6	
99-87-6-----	4-Isopropyltoluene	2	J
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
104-51-8-----	n-Butylbenzene	8	
95-50-1-----	1,2-Dichlorobenzene	5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	10	B
87-61-6-----	1,2,3-Trichlorobenzene	5	U

FORM I VOA

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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)

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

75-71-8-----	Dichlorodifluoromethane	5	U
74-87-3-----	Chloromethane	5	U
75-01-4-----	Vinyl Chloride	5	U
74-83-9-----	Bromomethane	5	U
75-00-3-----	Chloroethane	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-35-4-----	1,1-Dichloroethene	5	U
67-64-1-----	Acetone	5	U
74-88-4-----	Iodomethane	5	U
75-15-0-----	Carbon Disulfide	5	U
75-09-2-----	Methylene Chloride	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
1634-04-4-----	Methyl tert-butyl ether	5	U
75-34-3-----	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	4	J
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-Trichloroethane	5	U
563-58-6-----	1,1-Dichloropropene	5	U
56-23-5-----	Carbon Tetrachloride	5	U
107-06-2-----	1,2-Dichloroethane	5	U
71-43-2-----	Benzene	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	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
108-10-1-----	4-Methyl-2-pentanone	5	U
108-88-3-----	Toluene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U

FORM I VOA

OLM03.0

0002

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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)

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

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	2	JB
591-78-6-----	2-Hexanone	5	U
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	13	
-----	m,p-Xylene	16	
95-47-6-----	o-Xylene	30	
1330-20-7-----	Xylene (Total)	46	
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
98-82-8-----	Isopropylbenzene	4	J
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	4	J
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	3	J
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	60	
135-98-8-----	sec-Butylbenzene	6	
99-87-6-----	4-Isopropyltoluene	2	J
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
104-51-8-----	n-Butylbenzene	8	
95-50-1-----	1,2-Dichlorobenzene	5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	8	B
87-61-6-----	1,2,3-Trichlorobenzene	5	U

FORM I VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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)

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

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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)

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

142-28-9-----1,3-Dichloropropane	5	U
127-18-4-----Tetrachloroethene	5	U
591-78-6-----2-Hexanone	5	U
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
108-86-1-----Bromobenzene	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
103-65-1-----n-Propylbenzene	5	U
95-49-8-----2-Chlorotoluene	5	U
108-67-8-----1,3,5-Trimethylbenzene	5	U
106-43-4-----4-Chlorotoluene	5	U
98-06-6-----tert-Butylbenzene	5	U
95-63-6-----1,2,4-Trimethylbenzene	5	U
135-98-8-----sec-Butylbenzene	5	U
99-87-6-----4-Isopropyltoluene	5	U
541-73-1-----1,3-Dichlorobenzene	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	5	U
120-82-1-----1,2,4-Trichlorobenzene	5	U
87-68-3-----Hexachlorobutadiene	5	U
91-20-3-----Naphthalene	5	U
87-61-6-----1,2,3-Trichlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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)

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

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

FORM I VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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)

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

142-28-9-----1,3-Dichloropropane	5	U
127-18-4-----Tetrachloroethene	5	U
591-78-6-----2-Hexanone	5	U
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
108-86-1-----Bromobenzene	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
103-65-1-----n-Propylbenzene	5	U
95-49-8-----2-Chlorotoluene	5	U
108-67-8-----1,3,5-Trimethylbenzene	5	U
106-43-4-----4-Chlorotoluene	5	U
98-06-6-----tert-Butylbenzene	5	U
95-63-6-----1,2,4-Trimethylbenzene	5	U
135-98-8-----sec-Butylbenzene	5	U
99-87-6-----4-Isopropyltoluene	5	U
541-73-1-----1,3-Dichlorobenzene	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	5	U
120-82-1-----1,2,4-Trichlorobenzene	5	U
87-68-3-----Hexachlorobutadiene	5	U
91-20-3-----Naphthalene	5	U
87-61-6-----1,2,3-Trichlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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 Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

75-71-8-----	Dichlorodifluoromethane	5	U
74-87-3-----	Chloromethane	5	U
75-01-4-----	Vinyl Chloride	5	U
74-83-9-----	Bromomethane	5	U
75-00-3-----	Chloroethane	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-35-4-----	1,1-Dichloroethene	5	U
67-64-1-----	Acetone	5	U
74-88-4-----	Iodomethane	5	U
75-15-0-----	Carbon Disulfide	5	U
75-09-2-----	Methylene Chloride	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
1634-04-4-----	Methyl tert-butyl ether	5	U
75-34-3-----	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
74-97-5-----	Bromochloromethane	5	U
67-66-3-----	Chloroform	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
563-58-6-----	1,1-Dichloropropene	5	U
56-23-5-----	Carbon Tetrachloride	5	U
107-06-2-----	1,2-Dichloroethane	5	U
71-43-2-----	Benzene	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	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
108-10-1-----	4-Methyl-2-pentanone	5	U
108-88-3-----	Toluene	13	
10061-02-6-----	trans-1,3-Dichloropropene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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 Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	2	J
591-78-6-----	2-Hexanone	5	U
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	3	J
1330-20-7-----	Xylene (Total)	3	J
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
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	5	U
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	36	
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	45	
135-98-8-----	sec-Butylbenzene	5	
99-87-6-----	4-Isopropyltoluene	11	
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	5	U
104-51-8-----	n-Butylbenzene	8	
95-50-1-----	1,2-Dichlorobenzene	5	U
96-12-8-----	1,2-Dibromo-3-chloropropane	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	1	J
87-61-6-----	1,2,3-Trichlorobenzene	5	U

FORM I VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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	Q
---------	----------	--	---

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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	Q
---------	----------	--	---

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	5	U
591-78-6-----	2-Hexanone	5	U
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
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	5	U
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	5	U
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	5	U
135-98-8-----	sec-Butylbenzene	5	U
99-87-6-----	4-Isopropyltoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	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	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	5	U
87-61-6-----	1,2,3-Trichlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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 Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

75-71-8-----	Dichlorodifluoromethane	5	U
74-87-3-----	Chloromethane	5	U
75-01-4-----	Vinyl Chloride	5	U
74-83-9-----	Bromomethane	5	U
75-00-3-----	Chloroethane	5	U
75-69-4-----	Trichlorofluoromethane	5	U
75-35-4-----	1,1-Dichloroethene	5	U
67-64-1-----	Acetone	5	U
74-88-4-----	Iodomethane	5	U
75-15-0-----	Carbon Disulfide	5	U
75-09-2-----	Methylene Chloride	5	U
156-60-5-----	trans-1,2-Dichloroethene	5	U
1634-04-4-----	Methyl tert-butyl ether	5	U
75-34-3-----	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	9	
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-Trichloroethane	5	U
563-58-6-----	1,1-Dichloropropene	5	U
56-23-5-----	Carbon Tetrachloride	5	U
107-06-2-----	1,2-Dichloroethane	5	U
71-43-2-----	Benzene	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	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
108-10-1-----	4-Methyl-2-pentanone	5	U
108-88-3-----	Toluene	1	J
10061-02-6-----	trans-1,3-Dichloropropene	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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 Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	5	U
591-78-6-----	2-Hexanone	5	U
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	57	
-----	m,p-Xylene	160	
95-47-6-----	o-Xylene	120	
1330-20-7-----	Xylene (Total)	280	
100-42-5-----	Styrene	5	U
75-25-2-----	Bromoform	5	U
98-82-8-----	Isopropylbenzene	27	
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	34	
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	97	
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	270	E
135-98-8-----	sec-Butylbenzene	22	
99-87-6-----	4-Isopropyltoluene	20	
541-73-1-----	1,3-Dichlorobenzene	5	U
106-46-7-----	1,4-Dichlorobenzene	3	J
104-51-8-----	n-Butylbenzene	45	
95-50-1-----	1,2-Dichlorobenzene	26	
96-12-8-----	1,2-Dibromo-3-chloropropane	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	58	
87-61-6-----	1,2,3-Trichlorobenzene	5	U

FORM I VOA

OLM03.0

0043

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8SDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: F1131-02ADL

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

Lab File ID: V2J9218

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: 2.5

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

75-71-8-----Dichlorodifluoromethane	12	U
74-87-3-----Chloromethane	12	U
75-01-4-----Vinyl Chloride	12	U
74-83-9-----Bromomethane	12	U
75-00-3-----Chloroethane	12	U
75-69-4-----Trichlorofluoromethane	12	U
75-35-4-----1,1-Dichloroethene	12	U
67-64-1-----Acetone	12	U
74-88-4-----Iodomethane	12	U
75-15-0-----Carbon Disulfide	12	U
75-09-2-----Methylene Chloride	12	U
156-60-5-----trans-1,2-Dichloroethene	12	U
1634-04-4-----Methyl tert-butyl ether	12	U
75-34-3-----1,1-Dichloroethane	12	U
108-05-4-----Vinyl acetate	12	U
78-93-3-----2-Butanone	12	U
156-59-2-----cis-1,2-Dichloroethene	10	DJ
590-20-7-----2,2-Dichloropropane	12	U
74-97-5-----Bromochloromethane	12	U
67-66-3-----Chloroform	12	U
71-55-6-----1,1,1-Trichloroethane	12	U
563-58-6-----1,1-Dichloropropene	12	U
56-23-5-----Carbon Tetrachloride	12	U
107-06-2-----1,2-Dichloroethane	12	U
71-43-2-----Benzene	12	U
79-01-6-----Trichloroethene	12	U
78-87-5-----1,2-Dichloropropane	12	U
74-95-3-----Dibromomethane	12	U
75-27-4-----Bromodichloromethane	12	U
10061-01-5-----cis-1,3-Dichloropropene	12	U
108-10-1-----4-Methyl-2-pentanone	12	U
108-88-3-----Toluene	12	U
10061-02-6-----trans-1,3-Dichloropropene	12	U
79-00-5-----1,1,2-Trichloroethane	12	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8SDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: F1131-02ADL

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

Lab File ID: V2J9218

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: 2.5

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

142-28-9-----1,3-Dichloropropane	12	U
127-18-4-----Tetrachloroethene	3	DJB
591-78-6-----2-Hexanone	12	U
124-48-1-----Dibromochloromethane	12	U
106-93-4-----1,2-Dibromoethane	12	U
108-90-7-----Chlorobenzene	12	U
630-20-6-----1,1,1,2-Tetrachloroethane	12	U
100-41-4-----Ethylbenzene	63	D
-----m,p-Xylene	200	D
95-47-6-----o-Xylene	130	D
1330-20-7-----Xylene (Total)	330	D
100-42-5-----Styrene	12	U
75-25-2-----Bromoform	12	U
98-82-8-----Isopropylbenzene	27	D
79-34-5-----1,1,2,2-Tetrachloroethane	12	U
108-86-1-----Bromobenzene	12	U
96-18-4-----1,2,3-Trichloropropane	12	U
103-65-1-----n-Propylbenzene	36	D
95-49-8-----2-Chlorotoluene	12	U
108-67-8-----1,3,5-Trimethylbenzene	110	D
106-43-4-----4-Chlorotoluene	12	U
98-06-6-----tert-Butylbenzene	12	U
95-63-6-----1,2,4-Trimethylbenzene	430	D
135-98-8-----sec-Butylbenzene	25	D
99-87-6-----4-Isopropyltoluene	16	D
541-73-1-----1,3-Dichlorobenzene	12	U
106-46-7-----1,4-Dichlorobenzene	3	DJ
104-51-8-----n-Butylbenzene	47	D
95-50-1-----1,2-Dichlorobenzene	26	D
96-12-8-----1,2-Dibromo-3-chloropropane	12	U
120-82-1-----1,2,4-Trichlorobenzene	12	U
87-68-3-----Hexachlorobutadiene	12	U
91-20-3-----Naphthalene	71	DB
87-61-6-----1,2,3-Trichlorobenzene	12	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB081407

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: F1131-14A

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

Lab File ID: V5H9889

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	Q
---------	----------	--	---

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB081407

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: F1131-14A

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

Lab File ID: V5H9889

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	Q
---------	----------	--	---

142-28-9-----	1,3-Dichloropropane	5	U
127-18-4-----	Tetrachloroethene	5	U
591-78-6-----	2-Hexanone	5	U
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
108-86-1-----	Bromobenzene	5	U
96-18-4-----	1,2,3-Trichloropropane	5	U
103-65-1-----	n-Propylbenzene	5	U
95-49-8-----	2-Chlorotoluene	5	U
108-67-8-----	1,3,5-Trimethylbenzene	5	U
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	5	U
135-98-8-----	sec-Butylbenzene	5	U
99-87-6-----	4-Isopropyltoluene	5	U
541-73-1-----	1,3-Dichlorobenzene	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	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
87-68-3-----	Hexachlorobutadiene	5	U
91-20-3-----	Naphthalene	5	U
87-61-6-----	1,2,3-Trichlorobenzene	5	U

FORM I VOA

OLM03.0

0047

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS 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: _____ (uL)

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

75-71-8-----Dichlorodifluoromethane	5	U
74-87-3-----Chloromethane	5	U
75-01-4-----Vinyl Chloride	5	U
74-83-9-----Bromomethane	5	U
75-00-3-----Chloroethane	5	U
75-69-4-----Trichlorofluoromethane	5	U
75-35-4-----1,1-Dichloroethene	5	U
67-64-1-----Acetone	10	
74-88-4-----Iodomethane	5	U
75-15-0-----Carbon Disulfide	1	J
75-09-2-----Methylene Chloride	5	U
156-60-5-----trans-1,2-Dichloroethene	5	U
1634-04-4-----Methyl tert-butyl ether	5	U
75-34-3-----1,1-Dichloroethane	5	U
108-05-4-----Vinyl acetate	5	U
78-93-3-----2-Butanone	13	
156-59-2-----cis-1,2-Dichloroethene	130	
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-Trichloroethane	2	J
563-58-6-----1,1-Dichloropropene	5	U
56-23-5-----Carbon Tetrachloride	5	U
107-06-2-----1,2-Dichloroethane	5	U
71-43-2-----Benzene	5	U
79-01-6-----Trichloroethene	2	J
78-87-5-----1,2-Dichloropropane	5	U
74-95-3-----Dibromomethane	5	U
75-27-4-----Bromodichloromethane	5	U
10061-01-5-----cis-1,3-Dichloropropene	5	U
108-10-1-----4-Methyl-2-pentanone	5	U
108-88-3-----Toluene	4	J
10061-02-6-----trans-1,3-Dichloropropene	5	U
79-00-5-----1,1,2-Trichloroethane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW1

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS 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: _____ (uL)

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

142-28-9-----1,3-Dichloropropane	5	U
127-18-4-----Tetrachloroethene	2	JB
591-78-6-----2-Hexanone	5	U
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	29	
-----m,p-Xylene	49	
95-47-6-----o-Xylene	260	E
1330-20-7-----Xylene (Total)	310	
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
98-82-8-----Isopropylbenzene	11	
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
108-86-1-----Bromobenzene	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
103-65-1-----n-Propylbenzene	14	
95-49-8-----2-Chlorotoluene	5	U
108-67-8-----1,3,5-Trimethylbenzene	260	E
106-43-4-----4-Chlorotoluene	5	U
98-06-6-----tert-Butylbenzene	4	J
95-63-6-----1,2,4-Trimethylbenzene	260	E
135-98-8-----sec-Butylbenzene	17	
99-87-6-----4-Isopropyltoluene	36	
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	1	J
104-51-8-----n-Butylbenzene	54	
95-50-1-----1,2-Dichlorobenzene	23	
96-12-8-----1,2-Dibromo-3-chloropropane	5	U
120-82-1-----1,2,4-Trichlorobenzene	5	U
87-68-3-----Hexachlorobutadiene	5	U
91-20-3-----Naphthalene	110	B
87-61-6-----1,2,3-Trichlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW1DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

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
---------	----------	--	---

75-71-8-----Dichlorodifluoromethane	12	U
74-87-3-----Chloromethane	12	U
75-01-4-----Vinyl Chloride	12	U
74-83-9-----Bromomethane	12	U
75-00-3-----Chloroethane	12	U
75-69-4-----Trichlorofluoromethane	12	U
75-35-4-----1,1-Dichloroethene	12	U
67-64-1-----Acetone	12	U
74-88-4-----Iodomethane	12	U
75-15-0-----Carbon Disulfide	12	U
75-09-2-----Methylene Chloride	12	U
156-60-5-----trans-1,2-Dichloroethene	12	U
1634-04-4-----Methyl tert-butyl ether	12	U
75-34-3-----1,1-Dichloroethane	12	U
108-05-4-----Vinyl acetate	12	U
78-93-3-----2-Butanone	12	U
156-59-2-----cis-1,2-Dichloroethene	140	D
590-20-7-----2,2-Dichloropropane	12	U
74-97-5-----Bromochloromethane	12	U
67-66-3-----Chloroform	12	U
71-55-6-----1,1,1-Trichloroethane	12	U
563-58-6-----1,1-Dichloropropene	12	U
56-23-5-----Carbon Tetrachloride	12	U
107-06-2-----1,2-Dichloroethane	12	U
71-43-2-----Benzene	12	U
79-01-6-----Trichloroethene	12	U
78-87-5-----1,2-Dichloropropane	12	U
74-95-3-----Dibromomethane	12	U
75-27-4-----Bromodichloromethane	12	U
10061-01-5-----cis-1,3-Dichloropropene	12	U
108-10-1-----4-Methyl-2-pentanone	12	U
108-88-3-----Toluene	4	DJ
10061-02-6-----trans-1,3-Dichloropropene	12	U
79-00-5-----1,1,2-Trichloroethane	12	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW1DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

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
---------	----------	--	---

142-28-9-----1,3-Dichloropropane	12	U
127-18-4-----Tetrachloroethene	12	U
591-78-6-----2-Hexanone	12	U
124-48-1-----Dibromochloromethane	12	U
106-93-4-----1,2-Dibromoethane	12	U
108-90-7-----Chlorobenzene	12	U
630-20-6-----1,1,1,2-Tetrachloroethane	12	U
100-41-4-----Ethylbenzene	26	D
-----m,p-Xylene	44	D
95-47-6-----o-Xylene	250	D
1330-20-7-----Xylene (Total)	290	D
100-42-5-----Styrene	12	U
75-25-2-----Bromoform	12	U
98-82-8-----Isopropylbenzene	9	DJ
79-34-5-----1,1,2,2-Tetrachloroethane	12	U
108-86-1-----Bromobenzene	12	U
96-18-4-----1,2,3-Trichloropropane	12	U
103-65-1-----n-Propylbenzene	11	DJ
95-49-8-----2-Chlorotoluene	12	U
108-67-8-----1,3,5-Trimethylbenzene	230	D
106-43-4-----4-Chlorotoluene	12	U
98-06-6-----tert-Butylbenzene	12	U
95-63-6-----1,2,4-Trimethylbenzene	230	D
135-98-8-----sec-Butylbenzene	15	D
99-87-6-----4-Isopropyltoluene	31	D
541-73-1-----1,3-Dichlorobenzene	12	U
106-46-7-----1,4-Dichlorobenzene	12	U
104-51-8-----n-Butylbenzene	49	D
95-50-1-----1,2-Dichlorobenzene	22	D
96-12-8-----1,2-Dibromo-3-chloropropane	12	U
120-82-1-----1,2,4-Trichlorobenzene	12	U
87-68-3-----Hexachlorobutadiene	12	U
91-20-3-----Naphthalene	87	D
87-61-6-----1,2,3-Trichlorobenzene	12	U

FORM I VOA

OLM03.0

0051

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW2

Lab Name: MITKEM CORPORATION

Contract:

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
---------	----------	--	---

75-71-8-----Dichlorodifluoromethane	5	U
74-87-3-----Chloromethane	5	U
75-01-4-----Vinyl Chloride	5	U
74-83-9-----Bromomethane	5	U
75-00-3-----Chloroethane	5	U
75-69-4-----Trichlorofluoromethane	5	U
75-35-4-----1,1-Dichloroethene	5	U
67-64-1-----Acetone	5	U
74-88-4-----Iodomethane	5	U
75-15-0-----Carbon Disulfide	5	U
75-09-2-----Methylene Chloride	5	U
156-60-5-----trans-1,2-Dichloroethene	5	U
1634-04-4-----Methyl tert-butyl ether	5	U
75-34-3-----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	39	
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-Trichloroethane	5	U
563-58-6-----1,1-Dichloropropene	5	U
56-23-5-----Carbon Tetrachloride	5	U
107-06-2-----1,2-Dichloroethane	5	U
71-43-2-----Benzene	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	5	U
10061-01-5-----cis-1,3-Dichloropropene	5	U
108-10-1-----4-Methyl-2-pentanone	5	U
108-88-3-----Toluene	3	J
10061-02-6-----trans-1,3-Dichloropropene	5	U
79-00-5-----1,1,2-Trichloroethane	5	U

FORM I VOA

OLM03.0

2052

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW2

Lab Name: MITKEM CORPORATION

Contract:

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
---------	----------	--	---

142-28-9-----1,3-Dichloropropane	5	U
127-18-4-----Tetrachloroethene	5	U
591-78-6-----2-Hexanone	5	U
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	
-----m,p-Xylene	5	
95-47-6-----o-Xylene	17	
1330-20-7-----Xylene (Total)	22	
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
108-86-1-----Bromobenzene	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
103-65-1-----n-Propylbenzene	1	J
95-49-8-----2-Chlorotoluene	5	U
108-67-8-----1,3,5-Trimethylbenzene	1	J
106-43-4-----4-Chlorotoluene	5	U
98-06-6-----tert-Butylbenzene	5	U
95-63-6-----1,2,4-Trimethylbenzene	22	
135-98-8-----sec-Butylbenzene	5	U
99-87-6-----4-Isopropyltoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
104-51-8-----n-Butylbenzene	5	U
95-50-1-----1,2-Dichlorobenzene	1	J
96-12-8-----1,2-Dibromo-3-chloropropane	5	U
120-82-1-----1,2,4-Trichlorobenzene	5	U
87-68-3-----Hexachlorobutadiene	5	U
91-20-3-----Naphthalene	6	B
87-61-6-----1,2,3-Trichlorobenzene	5	U

FORM I VOA

OLM03.0

0050

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW3

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: F1131-04A

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

Lab File ID: V5H9879

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	Q
---------	----------	--	---

75-71-8-----Dichlorodifluoromethane_____	5	U
74-87-3-----Chloromethane_____	5	U
75-01-4-----Vinyl Chloride_____	5	U
74-83-9-----Bromomethane_____	5	U
75-00-3-----Chloroethane_____	5	U
75-69-4-----Trichlorofluoromethane_____	5	U
75-35-4-----1,1-Dichloroethene_____	5	U
67-64-1-----Acetone_____	5	U
74-88-4-----Iodomethane_____	5	U
75-15-0-----Carbon Disulfide_____	5	U
75-09-2-----Methylene Chloride_____	5	U
156-60-5-----trans-1,2-Dichloroethene_____	5	U
1634-04-4-----Methyl tert-butyl ether_____	5	U
75-34-3-----1,1-Dichloroethane_____	5	U
108-05-4-----Vinyl acetate_____	5	U
78-93-3-----2-Butanone_____	9	
156-59-2-----cis-1,2-Dichloroethene_____	4	J
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-Trichloroethane_____	5	U
563-58-6-----1,1-Dichloropropene_____	5	U
56-23-5-----Carbon Tetrachloride_____	5	U
107-06-2-----1,2-Dichloroethane_____	5	U
71-43-2-----Benzene_____	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_____	5	U
10061-01-5-----cis-1,3-Dichloropropene_____	5	U
108-10-1-----4-Methyl-2-pentanone_____	5	U
108-88-3-----Toluene_____	5	U
10061-02-6-----trans-1,3-Dichloropropene_____	5	U
79-00-5-----1,1,2-Trichloroethane_____	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW3

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: F1131-04A

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

Lab File ID: V5H9879

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	Q
---------	----------	--	---

142-28-9-----1,3-Dichloropropane	5	U
127-18-4-----Tetrachloroethene	1	J
591-78-6-----2-Hexanone	5	U
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	32	
-----m,p-Xylene	120	
95-47-6-----o-Xylene	110	
1330-20-7-----Xylene (Total)	230	
100-42-5-----Styrene	5	U
75-25-2-----Bromoform	5	U
98-82-8-----Isopropylbenzene	6	
79-34-5-----1,1,2,2-Tetrachloroethane	5	U
108-86-1-----Bromobenzene	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
103-65-1-----n-Propylbenzene	7	
95-49-8-----2-Chlorotoluene	5	U
108-67-8-----1,3,5-Trimethylbenzene	110	
106-43-4-----4-Chlorotoluene	5	U
98-06-6-----tert-Butylbenzene	2	J
95-63-6-----1,2,4-Trimethylbenzene	130	
135-98-8-----sec-Butylbenzene	4	J
99-87-6-----4-Isopropyltoluene	12	
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	1	J
104-51-8-----n-Butylbenzene	17	
95-50-1-----1,2-Dichlorobenzene	30	
96-12-8-----1,2-Dibromo-3-chloropropane	5	U
120-82-1-----1,2,4-Trichlorobenzene	5	U
87-68-3-----Hexachlorobutadiene	5	U
91-20-3-----Naphthalene	70	
87-61-6-----1,2,3-Trichlorobenzene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VEW4

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: F1131-07A

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

Lab File ID: V2J9260

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: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

75-71-8-----Dichlorodifluoromethane	5	U
74-87-3-----Chloromethane	5	U
75-01-4-----Vinyl Chloride	5	U
74-83-9-----Bromomethane	5	U
75-00-3-----Chloroethane	5	U
75-69-4-----Trichlorofluoromethane	5	U
75-35-4-----1,1-Dichloroethene	5	U
67-64-1-----Acetone	70	
74-88-4-----Iodomethane	5	U
75-15-0-----Carbon Disulfide	5	U
75-09-2-----Methylene Chloride	5	U
156-60-5-----trans-1,2-Dichloroethene	5	U
1634-04-4-----Methyl tert-butyl ether	5	U
75-34-3-----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	2	J
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-Trichloroethane	5	U
563-58-6-----1,1-Dichloropropene	5	U
56-23-5-----Carbon Tetrachloride	5	U
107-06-2-----1,2-Dichloroethane	5	U
71-43-2-----Benzene	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	5	U
10061-01-5-----cis-1,3-Dichloropropene	5	U
108-10-1-----4-Methyl-2-pentanone	5	U
108-88-3-----Toluene	2	J
10061-02-6-----trans-1,3-Dichloropropene	5	U
79-00-5-----1,1,2-Trichloroethane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW4

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: F1131-07A

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

Lab File ID: V2J9260

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: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

142-28-9-----1,3-Dichloropropane	5	U
127-18-4-----Tetrachloroethene	5	U
591-78-6-----2-Hexanone	5	U
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	4	J
95-47-6-----o-Xylene	20	
1330-20-7-----Xylene (Total)	24	
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
108-86-1-----Bromobenzene	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
103-65-1-----n-Propylbenzene	5	U
95-49-8-----2-Chlorotoluene	5	U
108-67-8-----1,3,5-Trimethylbenzene	6	
106-43-4-----4-Chlorotoluene	5	U
98-06-6-----tert-Butylbenzene	5	U
95-63-6-----1,2,4-Trimethylbenzene	12	
135-98-8-----sec-Butylbenzene	5	U
99-87-6-----4-Isopropyltoluene	5	U
541-73-1-----1,3-Dichlorobenzene	5	U
106-46-7-----1,4-Dichlorobenzene	5	U
104-51-8-----n-Butylbenzene	5	U
95-50-1-----1,2-Dichlorobenzene	2	J
96-12-8-----1,2-Dibromo-3-chloropropane	5	U
120-82-1-----1,2,4-Trichlorobenzene	5	U
87-68-3-----Hexachlorobutadiene	5	U
91-20-3-----Naphthalene	18	
87-61-6-----1,2,3-Trichlorobenzene	5	U

FORM I VOA

OLM03.0

0057

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V20LCS

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: _____

% 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
---------	----------	--	---

75-71-8-----	Dichlorodifluoromethane	39	
74-87-3-----	Chloromethane	60	
75-01-4-----	Vinyl Chloride	55	
74-83-9-----	Bromomethane	62	
75-00-3-----	Chloroethane	58	
75-69-4-----	Trichlorofluoromethane	60	
75-35-4-----	1,1-Dichloroethene	56	
67-64-1-----	Acetone	75	
74-88-4-----	Iodomethane	56	
75-15-0-----	Carbon Disulfide	56	
75-09-2-----	Methylene Chloride	59	
156-60-5-----	trans-1,2-Dichloroethene	51	
1634-04-4-----	Methyl tert-butyl ether	52	
75-34-3-----	1,1-Dichloroethane	54	
108-05-4-----	Vinyl acetate	56	
78-93-3-----	2-Butanone	58	
156-59-2-----	cis-1,2-Dichloroethene	52	
590-20-7-----	2,2-Dichloropropane	47	
74-97-5-----	Bromochloromethane	55	
67-66-3-----	Chloroform	54	
71-55-6-----	1,1,1-Trichloroethane	49	
563-58-6-----	1,1-Dichloropropene	47	
56-23-5-----	Carbon Tetrachloride	48	
107-06-2-----	1,2-Dichloroethane	52	
71-43-2-----	Benzene	54	
79-01-6-----	Trichloroethene	49	
78-87-5-----	1,2-Dichloropropane	56	
74-95-3-----	Dibromomethane	56	
75-27-4-----	Bromodichloromethane	54	
10061-01-5-----	cis-1,3-Dichloropropene	53	
108-10-1-----	4-Methyl-2-pentanone	63	
108-88-3-----	Toluene	52	
10061-02-6-----	trans-1,3-Dichloropropene	54	
79-00-5-----	1,1,2-Trichloroethane	57	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V20LCS

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: _____

% 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
---------	----------	--	---

142-28-9-----	1,3-Dichloropropane	53	
127-18-4-----	Tetrachloroethene	50	B
591-78-6-----	2-Hexanone	60	
124-48-1-----	Dibromochloromethane	51	
106-93-4-----	1,2-Dibromoethane	52	
108-90-7-----	Chlorobenzene	49	
630-20-6-----	1,1,1,2-Tetrachloroethane	48	
100-41-4-----	Ethylbenzene	48	
-----	m,p-Xylene	98	
95-47-6-----	o-Xylene	49	
1330-20-7-----	Xylene (Total)	150	
100-42-5-----	Styrene	50	
75-25-2-----	Bromoform	56	
98-82-8-----	Isopropylbenzene	48	
79-34-5-----	1,1,2,2-Tetrachloroethane	55	
108-86-1-----	Bromobenzene	44	
96-18-4-----	1,2,3-Trichloropropane	57	
103-65-1-----	n-Propylbenzene	42	
95-49-8-----	2-Chlorotoluene	44	
108-67-8-----	1,3,5-Trimethylbenzene	46	
106-43-4-----	4-Chlorotoluene	45	
98-06-6-----	tert-Butylbenzene	44	
95-63-6-----	1,2,4-Trimethylbenzene	46	
135-98-8-----	sec-Butylbenzene	46	
99-87-6-----	4-Isopropyltoluene	44	
541-73-1-----	1,3-Dichlorobenzene	46	
106-46-7-----	1,4-Dichlorobenzene	46	
104-51-8-----	n-Butylbenzene	46	
95-50-1-----	1,2-Dichlorobenzene	46	
96-12-8-----	1,2-Dibromo-3-chloropropane	54	
120-82-1-----	1,2,4-Trichlorobenzene	46	
87-68-3-----	Hexachlorobutadiene	39	
91-20-3-----	Naphthalene	46	B
87-61-6-----	1,2,3-Trichlorobenzene	46	B

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: _____

% Moisture: not dec. _____

Date Analyzed: 08/28/07

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
---------	----------	--	---

75-71-8-----	Dichlorodifluoromethane	51	
74-87-3-----	Chloromethane	73	
75-01-4-----	Vinyl Chloride	72	
74-83-9-----	Bromomethane	75	
75-00-3-----	Chloroethane	76	
75-69-4-----	Trichlorofluoromethane	80	
75-35-4-----	1,1-Dichloroethene	61	
67-64-1-----	Acetone	76	
74-88-4-----	Iodomethane	63	
75-15-0-----	Carbon Disulfide	72	
75-09-2-----	Methylene Chloride	64	
156-60-5-----	trans-1,2-Dichloroethene	59	
1634-04-4-----	Methyl tert-butyl ether	49	
75-34-3-----	1,1-Dichloroethane	59	
108-05-4-----	Vinyl acetate	51	
78-93-3-----	2-Butanone	51	
156-59-2-----	cis-1,2-Dichloroethene	56	
590-20-7-----	2,2-Dichloropropane	42	
74-97-5-----	Bromochloromethane	57	
67-66-3-----	Chloroform	59	
71-55-6-----	1,1,1-Trichloroethane	55	
563-58-6-----	1,1-Dichloropropene	54	
56-23-5-----	Carbon Tetrachloride	55	
107-06-2-----	1,2-Dichloroethane	53	
71-43-2-----	Benzene	59	
79-01-6-----	Trichloroethene	50	
78-87-5-----	1,2-Dichloropropane	61	
74-95-3-----	Dibromomethane	58	
75-27-4-----	Bromodichloromethane	56	
10061-01-5-----	cis-1,3-Dichloropropene	53	
108-10-1-----	4-Methyl-2-pentanone	55	
108-88-3-----	Toluene	56	
10061-02-6-----	trans-1,3-Dichloropropene	51	
79-00-5-----	1,1,2-Trichloroethane	58	

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: _____

% Moisture: not dec. _____

Date Analyzed: 08/28/07

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
---------	----------	--	---

142-28-9-----1,3-Dichloropropane	52	
127-18-4-----Tetrachloroethene	53	
591-78-6-----2-Hexanone	48	
124-48-1-----Dibromochloromethane	50	
106-93-4-----1,2-Dibromoethane	50	
108-90-7-----Chlorobenzene	50	
630-20-6-----1,1,1,2-Tetrachloroethane	49	
100-41-4-----Ethylbenzene	50	
-----m,p-Xylene	100	
95-47-6-----o-Xylene	50	
1330-20-7-----Xylene (Total)	150	
100-42-5-----Styrene	52	
75-25-2-----Bromoform	54	
98-82-8-----Isopropylbenzene	50	
79-34-5-----1,1,2,2-Tetrachloroethane	50	
108-86-1-----Bromobenzene	44	
96-18-4-----1,2,3-Trichloropropane	47	
103-65-1-----n-Propylbenzene	44	
95-49-8-----2-Chlorotoluene	45	
108-67-8-----1,3,5-Trimethylbenzene	47	
106-43-4-----4-Chlorotoluene	46	
98-06-6-----tert-Butylbenzene	44	
95-63-6-----1,2,4-Trimethylbenzene	47	
135-98-8-----sec-Butylbenzene	48	
99-87-6-----4-Isopropyltoluene	46	
541-73-1-----1,3-Dichlorobenzene	46	
106-46-7-----1,4-Dichlorobenzene	46	
104-51-8-----n-Butylbenzene	47	
95-50-1-----1,2-Dichlorobenzene	46	
96-12-8-----1,2-Dibromo-3-chloropropane	41	
120-82-1-----1,2,4-Trichlorobenzene	42	
87-68-3-----Hexachlorobutadiene	38	
91-20-3-----Naphthalene	37	
87-61-6-----1,2,3-Trichlorobenzene	42	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VT5LCS

Lab Name: MITKEM CORPORATION

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) ML

Lab File ID: V5H9875

Level: (low/med) LOW

Date Received: _____

% 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	Q
---------	----------	--	---

75-71-8-----Dichlorodifluoromethane	45	
74-87-3-----Chloromethane	37	
75-01-4-----Vinyl Chloride	38	
74-83-9-----Bromomethane	47	
75-00-3-----Chloroethane	46	
75-69-4-----Trichlorofluoromethane	64	
75-35-4-----1,1-Dichloroethene	45	
67-64-1-----Acetone	30	
74-88-4-----Iodomethane	48	
75-15-0-----Carbon Disulfide	42	
75-09-2-----Methylene Chloride	45	
156-60-5-----trans-1,2-Dichloroethene	43	
1634-04-4-----Methyl tert-butyl ether	41	
75-34-3-----1,1-Dichloroethane	41	
108-05-4-----Vinyl acetate	35	
78-93-3-----2-Butanone	34	
156-59-2-----cis-1,2-Dichloroethene	42	
590-20-7-----2,2-Dichloropropane	40	
74-97-5-----Bromochloromethane	47	
67-66-3-----Chloroform	49	
71-55-6-----1,1,1-Trichloroethane	50	
563-58-6-----1,1-Dichloropropene	45	
56-23-5-----Carbon Tetrachloride	54	
107-06-2-----1,2-Dichloroethane	52	
71-43-2-----Benzene	43	
79-01-6-----Trichloroethene	45	
78-87-5-----1,2-Dichloropropane	42	
74-95-3-----Dibromomethane	47	
75-27-4-----Bromodichloromethane	48	
10061-01-5-----cis-1,3-Dichloropropene	41	
108-10-1-----4-Methyl-2-pentanone	33	
108-88-3-----Toluene	41	
10061-02-6-----trans-1,3-Dichloropropene	42	
79-00-5-----1,1,2-Trichloroethane	44	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VT5LCS

Lab Name: MITKEM CORPORATION

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) ML

Lab File ID: V5H9875

Level: (low/med) LOW

Date Received: _____

% 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	Q
---------	----------	--	---

142-28-9-----	1,3-Dichloropropane	42	
127-18-4-----	Tetrachloroethene	54	
591-78-6-----	2-Hexanone	35	
124-48-1-----	Dibromochloromethane	44	
106-93-4-----	1,2-Dibromoethane	43	
108-90-7-----	Chlorobenzene	45	
630-20-6-----	1,1,1,2-Tetrachloroethane	49	
100-41-4-----	Ethylbenzene	43	
-----	m,p-Xylene	90	
95-47-6-----	o-Xylene	47	
1330-20-7-----	Xylene (Total)	140	
100-42-5-----	Styrene	45	
75-25-2-----	Bromoform	39	
98-82-8-----	Isopropylbenzene	46	
79-34-5-----	1,1,2,2-Tetrachloroethane	38	
108-86-1-----	Bromobenzene	45	
96-18-4-----	1,2,3-Trichloropropane	32	
103-65-1-----	n-Propylbenzene	43	
95-49-8-----	2-Chlorotoluene	45	
108-67-8-----	1,3,5-Trimethylbenzene	46	
106-43-4-----	4-Chlorotoluene	45	
98-06-6-----	tert-Butylbenzene	44	
95-63-6-----	1,2,4-Trimethylbenzene	46	
135-98-8-----	sec-Butylbenzene	44	
99-87-6-----	4-Isopropyltoluene	46	
541-73-1-----	1,3-Dichlorobenzene	47	
106-46-7-----	1,4-Dichlorobenzene	45	
104-51-8-----	n-Butylbenzene	45	
95-50-1-----	1,2-Dichlorobenzene	48	
96-12-8-----	1,2-Dibromo-3-chloropropane	38	
120-82-1-----	1,2,4-Trichlorobenzene	43	
87-68-3-----	Hexachlorobutadiene	44	
91-20-3-----	Naphthalene	39	
87-61-6-----	1,2,3-Trichlorobenzene	43	

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

	EPA SAMPLE NO.	SMC1 #	SMC2 (DCE) #	SMC3 (TOL) #	OTHER (BFB) #	TOT OUT
01	VLKT5	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
08	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	VLK2O	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	VLK2P	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						

QC LIMITS

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

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.: V2PLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Dichlorodifluoromethane	50		51	102	30-155
Chloromethane	50		73	146*	40-125
Vinyl Chloride	50		72	144	50-145
Bromomethane	50		75	150*	30-145
Chloroethane	50		76	152*	60-135
Trichlorofluoromethane	50		80	160*	60-145
1,1-Dichloroethene	50		61	122	70-130
Acetone	50		76	152*	40-140
Iodomethane	50		63	126*	72-121
Carbon Disulfide	50		72	144	35-160
Methylene Chloride	50		64	128	55-140
trans-1,2-Dichloroethen	50		59	118	60-140
Methyl tert-butyl ether	50		49	98	65-125
1,1-Dichloroethane	50		59	118	70-135
Vinyl acetate	50		51	102	38-163
2-Butanone	50		51	102	30-150
cis-1,2-Dichloroethene	50		56	112	70-125
2,2-Dichloropropane	50		42	84	70-135
Bromochloromethane	50		57	114	65-130
Chloroform	50		59	118	65-135
1,1,1-Trichloroethane	50		55	110	65-130
1,1-Dichloropropene	50		54	108	75-130
Carbon Tetrachloride	50		55	110	65-140
1,2-Dichloroethane	50		53	106	70-130
Benzene	50		59	118	80-120
Trichloroethene	50		50	100	70-125
1,2-Dichloropropane	50		61	122	75-125
Dibromomethane	50		58	116	75-125

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

* Values outside of QC limits

COMMENTS:

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.: V2PLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS 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		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		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:

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.: V2PLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
1,2,4-Trimethylbenzene	50		47	94	75-130
sec-Butylbenzene	50		48	96	70-125
4-Isopropyltoluene	50		46	92	75-130
1,3-Dichlorobenzene	50		46	92	75-125
1,4-Dichlorobenzene	50		46	92	75-125
n-Butylbenzene	50		47	94	70-135
1,2-Dichlorobenzene	50		46	92	70-120
1,2-Dibromo-3-chloropro	50		41	82	50-130
1,2,4-Trichlorobenzene	50		42	84	65-135
Hexachlorobutadiene	50		38	76	50-140
Naphthalene	50		37	74	55-140
1,2,3-Trichlorobenzene	50		42	84	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: 6 out of 68 outside limits

COMMENTS:

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.: V20LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50		39	78	30-155
Chloromethane	50		60	120	40-125
Vinyl Chloride	50		55	110	50-145
Bromomethane	50		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		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:

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

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS 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		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		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 flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

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.: V20LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
1,2,4-Trimethylbenzene	50		46	92	75-130
sec-Butylbenzene	50		46	92	70-125
4-Isopropyltoluene	50		44	88	75-130
1,3-Dichlorobenzene	50		46	92	75-125
1,4-Dichlorobenzene	50		46	92	75-125
n-Butylbenzene	50		46	92	70-135
1,2-Dichlorobenzene	50		46	92	70-120
1,2-Dibromo-3-chloropro	50		54	108	50-130
1,2,4-Trichlorobenzene	50		46	92	65-135
Hexachlorobutadiene	50		39	78	50-140
Naphthalene	50		46	92	55-140
1,2,3-Trichlorobenzene	50		46	92	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:

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.: VT5LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS 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		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:

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.: VT5LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS 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
Toluene	50		41	82	75-120
trans-1,3-Dichloroprope	50		42	84	55-140
1,1,2-Trichloroethane	50		44	88	75-125
1,3-Dichloropropane	50		42	84	75-125
Tetrachloroethene	50		54	108	45-150
2-Hexanone	50		35	70	55-130
Dibromochloromethane	50		44	88	60-135
1,2-Dibromoethane	50		43	86	80-120
Chlorobenzene	50		45	90	80-120
1,1,1,2-Tetrachloroetha	50		49	98	80-130
Ethylbenzene	50		43	86	75-125
m,p-Xylene	100		90	90	75-130
o-Xylene	50		47	94	80-120
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
1,2,3-Trichloropropane	50		32	64*	75-125
n-Propylbenzene	50		43	86	70-130
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	88	70-130

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

* Values outside of QC limits

COMMENTS:

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.: VT5LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
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:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK20

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Lab File ID: V2J9212

Lab Sample ID: MB-31897

Date Analyzed: 08/27/07

Time Analyzed: 1242

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

Heated Purge: (Y/N) N

Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
	=====	=====	=====	=====
01	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
08				
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK20

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: MB-31897

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

Lab File ID: V2J9212

Level: (low/med) LOW

Date Received: _____

% 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
---------	----------	--	---

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK20

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: MB-31897

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

Lab File ID: V2J9212

Level: (low/med) LOW

Date Received: _____

% 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
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	3	J
591-78-6	2-Hexanone	5	U
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
108-86-1	Bromobenzene	5	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	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	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	2	J
87-61-6	1,2,3-Trichlorobenzene	1	J

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK2P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Lab File ID: V2J9240

Lab Sample ID: MB-31906

Date Analyzed: 08/28/07

Time Analyzed: 0159

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

Heated Purge: (Y/N) N

Instrument ID: V2

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V2PLCS	LCS-31906	V2J9241	0226
02	VEW1DL	F1131-06ADL	V2J9259	1051
03	VEW4	F1131-07A	V2J9260	1119
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COMMENTS:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBK2P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: MB-31906

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

Lab File ID: V2J9240

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 08/28/07

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
---------	----------	--	---

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2P

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: MB-31906

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

Lab File ID: V2J9240

Level: (low/med) LOW

Date Received: _____

% Moisture: not dec. _____

Date Analyzed: 08/28/07

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
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142-28-9-----1,3-Dichloropropane	5	U
127-18-4-----Tetrachloroethene	5	U
591-78-6-----2-Hexanone	5	U
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
108-86-1-----Bromobenzene	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
103-65-1-----n-Propylbenzene	5	U
95-49-8-----2-Chlorotoluene	5	U
108-67-8-----1,3,5-Trimethylbenzene	5	U
106-43-4-----4-Chlorotoluene	5	U
98-06-6-----tert-Butylbenzene	5	U
95-63-6-----1,2,4-Trimethylbenzene	5	U
135-98-8-----sec-Butylbenzene	5	U
99-87-6-----4-Isopropyltoluene	5	U
541-73-1-----1,3-Dichlorobenzene	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	5	U
120-82-1-----1,2,4-Trichlorobenzene	5	U
87-68-3-----Hexachlorobutadiene	5	U
91-20-3-----Naphthalene	5	U
87-61-6-----1,2,3-Trichlorobenzene	5	U

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VLKLT5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Lab File ID: V5H9874

Lab Sample ID: MB-31880

Date Analyzed: 08/25/07

Time Analyzed: 0113

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

Heated Purge: (Y/N) N

Instrument ID: V5

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VT5LCS	LCS-31880	V5H9875	0140
02	MW8D	F1131-01A	V5H9876	0207
03	MW8S	F1131-02A	V5H9877	0233
04	VEW3	F1131-04A	V5H9879	0326
05	ASW	F1131-05A	V5H9880	0353
06	MW15S	F1131-10A	V5H9885	0606
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:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKT5

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: MB-31880

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

Lab File ID: V5H9874

Level: (low/med) LOW

Date Received: _____

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VELKTS

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: MB-31880

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

Lab File ID: V5H9874

Level: (low/med) LOW

Date Received: _____

% 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	Q
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142-28-9-----1,3-Dichloropropane	5	U
127-18-4-----Tetrachloroethene	5	U
591-78-6-----2-Hexanone	5	U
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
108-86-1-----Bromobenzene	5	U
96-18-4-----1,2,3-Trichloropropane	5	U
103-65-1-----n-Propylbenzene	5	U
95-49-8-----2-Chlorotoluene	5	U
108-67-8-----1,3,5-Trimethylbenzene	5	U
106-43-4-----4-Chlorotoluene	5	U
98-06-6-----tert-Butylbenzene	5	U
95-63-6-----1,2,4-Trimethylbenzene	5	U
135-98-8-----sec-Butylbenzene	5	U
99-87-6-----4-Isopropyltoluene	5	U
541-73-1-----1,3-Dichlorobenzene	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	5	U
120-82-1-----1,2,4-Trichlorobenzene	5	U
87-68-3-----Hexachlorobutadiene	5	U
91-20-3-----Naphthalene	5	U
87-61-6-----1,2,3-Trichlorobenzene	5	U

MITKEM
CORPORATION

Semivolatile Organics

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: _____

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

108-95-2-----Phenol	20	U
111-44-4-----bis(2-Chloroethyl) Ether	20	U
95-57-8-----2-Chlorophenol	20	U
541-73-1-----1,3-Dichlorobenzene	20	U
106-46-7-----1,4-Dichlorobenzene	2	J
95-50-1-----1,2-Dichlorobenzene	19	J
95-48-7-----2-Methylphenol	20	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	20	U
106-44-5-----4-Methylphenol	170	
621-64-7-----N-Nitroso-di-n-propylamine	20	U
67-72-1-----Hexachloroethane	20	U
98-95-3-----Nitrobenzene	20	U
78-59-1-----Isophorone	20	U
88-75-5-----2-Nitrophenol	20	U
105-67-9-----2,4-Dimethylphenol	20	U
120-83-2-----2,4-Dichlorophenol	20	U
120-82-1-----1,2,4-Trichlorobenzene	20	U
91-20-3-----Naphthalene	110	
106-47-8-----4-Chloroaniline	20	U
87-68-3-----Hexachlorobutadiene	20	U
111-91-1-----bis(2-Chloroethoxy) methane	20	U
59-50-7-----4-Chloro-3-Methylphenol	20	U
91-57-6-----2-Methylnaphthalene	50	
77-47-4-----Hexachlorocyclopentadiene	20	U
88-06-2-----2,4,6-Trichlorophenol	20	U
95-95-4-----2,4,5-Trichlorophenol	40	U
91-58-7-----2-Chloronaphthalene	20	U
88-74-4-----2-Nitroaniline	40	U
131-11-3-----Dimethylphthalate	20	U
208-96-8-----Acenaphthylene	20	U
606-20-2-----2,6-Dinitrotoluene	20	U
99-09-2-----3-Nitroaniline	40	U
83-32-9-----Acenaphthene	20	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: _____

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

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

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

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
---------	----------	--	---

108-95-2-----	Phenol	10	U
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	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
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	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
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	10	U
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

1C
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

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	U
100-02-7-----	4-Nitrophenol	20	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	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
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3E5575

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

108-95-2-----	Phenol	10	U
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	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
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	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
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	10	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S3E5575

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	U
100-02-7-----	4-Nitrophenol	20	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	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
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: _____

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

108-95-2-----Phenol	10	U
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	10	U
95-48-7-----2-Methylphenol	10	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----4-Methylphenol	10	U
621-64-7-----N-Nitroso-di-n-propylamine	10	U
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	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	10	U
91-20-3-----Naphthalene	10	U
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	10	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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: _____

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

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
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	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
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

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
---------	----------	--	---

108-95-2-----Phenol	10	U
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	10	U
95-48-7-----2-Methylphenol	10	U
108-60-1-----2,2'-oxybis (1-Chloropropane)	10	U
106-44-5-----4-Methylphenol	10	U
621-64-7-----N-Nitroso-di-n-propylamine	10	U
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	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	10	U
91-20-3-----Naphthalene	10	U
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	10	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

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	U
100-02-7-----	4-Nitrophenol	20	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	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
56-55-3-----	Benzo(a)anthracene	10	U
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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW15S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: F1131-10C

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S3E5576

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
---------	----------	--	---

108-95-2-----	Phenol	10	U
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	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
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	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	1	J
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	10	U
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

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW15S

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix: (soil/water) WATER

Lab Sample ID: F1131-10C

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S3E5576

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	U
100-02-7-----	4-Nitrophenol	20	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	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
56-55-3-----	Benzo (a) anthracene	10	U
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

(1) - Cannot be separated from Diphenylamine

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

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: _____

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

108-95-2-----	Phenol	10	U
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	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
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	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
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	10	U
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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW8D

Lab Name: MITKEM CORPORATION

Contract:

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: _____

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

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
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	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
56-55-3-----	Benzo(a)anthracene	10	U
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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

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
---------	----------	--	---

108-95-2-----	Phenol	10	U
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	2	J
95-50-1-----	1,2-Dichlorobenzene	21	
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis (1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	14	
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
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	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	48	
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	7	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

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

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	U
100-02-7-----	4-Nitrophenol	20	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
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	U
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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW1

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) 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
---------	----------	--	---

108-95-2-----	Phenol	10	U
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	2	J
95-50-1-----	1,2-Dichlorobenzene	25	
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis (1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	56	
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
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	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	110	
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	24	
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

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW1

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) 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	U
100-02-7-----	4-Nitrophenol	20	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	15	
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	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	1	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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW2

Lab Name: MITKEM CORPORATION

Contract:

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
---------	----------	--	---

108-95-2-----Phenol	10	U
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	1	J
95-48-7-----2-Methylphenol	6	J
108-60-1-----2,2'-oxybis (1-Chloropropane)	10	U
106-44-5-----4-Methylphenol	3	J
621-64-7-----N-Nitroso-di-n-propylamine	10	U
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	4	J
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	10	U
91-20-3-----Naphthalene	2	J
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	10	U
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

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW2

Lab Name: MITKEM CORPORATION

Contract:

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	U
100-02-7-----	4-Nitrophenol	20	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	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
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	1	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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW3

Lab Name: MITKEM CORPORATION

Contract:

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

% 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
---------	----------	--	---

108-95-2-----Phenol	10	U
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	21	
95-48-7-----2-Methylphenol	10	U
108-60-1-----2,2'-oxybis(1-Chloropropane)	10	U
106-44-5-----4-Methylphenol	10	U
621-64-7-----N-Nitroso-di-n-propylamine	10	U
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	10	U
120-83-2-----2,4-Dichlorophenol	10	U
120-82-1-----1,2,4-Trichlorobenzene	10	U
91-20-3-----Naphthalene	31	
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	2	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

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW3

Lab Name: MITKEM CORPORATION

Contract:

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

% 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	U
100-02-7-----	4-Nitrophenol	20	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
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	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	1	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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VIEW4

Lab Name: MITKEM CORPORATION

Contract:

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: 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
---------	----------	--	---

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	J
95-48-7-----2-Methylphenol	20	
108-60-1-----2,2'-oxybis (1-Chloropropane)	10	U
106-44-5-----4-Methylphenol	110	
621-64-7-----N-Nitroso-di-n-propylamine	10	U
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

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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

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: 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	U
100-02-7-----	4-Nitrophenol	20	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
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	U
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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3J

Lab Name: MITKEM CORPORATION

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: 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
---------	----------	--	---

108-95-2-----	Phenol	10	U
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	10	U
95-48-7-----	2-Methylphenol	10	U
108-60-1-----	2,2'-oxybis (1-Chloropropane)	10	U
106-44-5-----	4-Methylphenol	10	U
621-64-7-----	N-Nitroso-di-n-propylamine	10	U
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	10	U
120-83-2-----	2,4-Dichlorophenol	10	U
120-82-1-----	1,2,4-Trichlorobenzene	10	U
91-20-3-----	Naphthalene	10	U
106-47-8-----	4-Chloroaniline	3	J
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	10	U
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

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK3J

Lab Name: MITKEM CORPORATION

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: 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	U
100-02-7-----	4-Nitrophenol	20	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
86-73-7-----	Fluorene	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
87-86-5-----	Pentachlorophenol	20	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	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	1	J
56-55-3-----	Benzo(a)anthracene	10	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
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

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3KLCS

Lab Name: MITKEM CORPORATION

Contract:

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: 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
---------	----------	--	---

108-95-2-----	Phenol	38	
111-44-4-----	bis(2-Chloroethyl) Ether	40	
95-57-8-----	2-Chlorophenol	41	
541-73-1-----	1,3-Dichlorobenzene	36	
106-46-7-----	1,4-Dichlorobenzene	36	
95-50-1-----	1,2-Dichlorobenzene	37	
95-48-7-----	2-Methylphenol	26	
108-60-1-----	2,2'-oxybis(1-Chloropropane)	50	
106-44-5-----	4-Methylphenol	31	
621-64-7-----	N-Nitroso-di-n-propylamine	42	
67-72-1-----	Hexachloroethane	38	
98-95-3-----	Nitrobenzene	45	
78-59-1-----	Isophorone	42	
88-75-5-----	2-Nitrophenol	44	
105-67-9-----	2,4-Dimethylphenol	3	J
120-83-2-----	2,4-Dichlorophenol	41	
120-82-1-----	1,2,4-Trichlorobenzene	37	
91-20-3-----	Naphthalene	38	
106-47-8-----	4-Chloroaniline	25	B
87-68-3-----	Hexachlorobutadiene	35	
111-91-1-----	bis(2-Chloroethoxy) methane	40	
59-50-7-----	4-Chloro-3-Methylphenol	37	
91-57-6-----	2-Methylnaphthalene	39	
77-47-4-----	Hexachlorocyclopentadiene	11	
88-06-2-----	2,4,6-Trichlorophenol	40	
95-95-4-----	2,4,5-Trichlorophenol	42	
91-58-7-----	2-Chloronaphthalene	42	
88-74-4-----	2-Nitroaniline	44	
131-11-3-----	Dimethylphthalate	46	
208-96-8-----	Acenaphthylene	42	
606-20-2-----	2,6-Dinitrotoluene	44	
99-09-2-----	3-Nitroaniline	37	
83-32-9-----	Acenaphthene	43	

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3KLCS

Lab Name: MITKEM CORPORATION

Contract:

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: 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	31	
100-02-7-----	4-Nitrophenol	55	
132-64-9-----	Dibenzofuran	44	
121-14-2-----	2,4-Dinitrotoluene	46	
84-66-2-----	Diethylphthalate	46	
7005-72-3-----	4-Chlorophenyl-phenylether	41	
86-73-7-----	Fluorene	43	
100-01-6-----	4-Nitroaniline	30	
534-52-1-----	4,6-Dinitro-2-methylphenol	48	
86-30-6-----	N-Nitrosodiphenylamine (1)	35	
101-55-3-----	4-Bromophenyl-phenylether	43	
118-74-1-----	Hexachlorobenzene	44	
87-86-5-----	Pentachlorophenol	50	
85-01-8-----	Phenanthrene	50	
120-12-7-----	Anthracene	47	
86-74-8-----	Carbazole	48	
84-74-2-----	Di-n-butylphthalate	54	
206-44-0-----	Fluoranthene	48	
129-00-0-----	Pyrene	51	
85-68-7-----	Butylbenzylphthalate	50	
91-94-1-----	3,3'-Dichlorobenzidine	23	B
56-55-3-----	Benzo(a)anthracene	47	
218-01-9-----	Chrysene	47	
117-81-7-----	bis(2-Ethylhexyl)phthalate	53	
117-84-0-----	Di-n-octylphthalate	55	
205-99-2-----	Benzo(b)fluoranthene	48	
207-08-9-----	Benzo(k)fluoranthene	51	
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	
191-24-2-----	Benzo(g,h,i)perylene	45	

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3KLCSD

Lab Name: MITKEM CORPORATION

Contract:

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)

Dilution Factor: 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	
111-44-4-----bis (2-Chloroethyl) Ether	36	
95-57-8-----2-Chlorophenol	39	
541-73-1-----1,3-Dichlorobenzene	32	
106-46-7-----1,4-Dichlorobenzene	33	
95-50-1-----1,2-Dichlorobenzene	33	
95-48-7-----2-Methylphenol	29	
108-60-1-----2,2'-oxybis (1-Chloropropane)	46	
106-44-5-----4-Methylphenol	33	
621-64-7-----N-Nitroso-di-n-propylamine	39	
67-72-1-----Hexachloroethane	34	
98-95-3-----Nitrobenzene	44	
78-59-1-----Isophorone	40	
88-75-5-----2-Nitrophenol	42	
105-67-9-----2,4-Dimethylphenol	4	J
120-83-2-----2,4-Dichlorophenol	40	
120-82-1-----1,2,4-Trichlorobenzene	35	
91-20-3-----Naphthalene	36	
106-47-8-----4-Chloroaniline	30	B
87-68-3-----Hexachlorobutadiene	32	
111-91-1-----bis (2-Chloroethoxy) methane	38	
59-50-7-----4-Chloro-3-Methylphenol	38	
91-57-6-----2-Methylnaphthalene	37	
77-47-4-----Hexachlorocyclopentadiene	10	
88-06-2-----2,4,6-Trichlorophenol	41	
95-95-4-----2,4,5-Trichlorophenol	41	
91-58-7-----2-Chloronaphthalene	41	
88-74-4-----2-Nitroaniline	43	
131-11-3-----Dimethylphthalate	46	
208-96-8-----Acenaphthylene	41	
606-20-2-----2,6-Dinitrotoluene	44	
99-09-2-----3-Nitroaniline	38	
83-32-9-----Acenaphthene	42	

FORM I SV-1

OLM03.0

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3KLCSD

Lab Name: MITKEM CORPORATION

Contract:

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)

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	27	
100-02-7-----	4-Nitrophenol	53	
132-64-9-----	Dibenzofuran	44	
121-14-2-----	2,4-Dinitrotoluene	46	
84-66-2-----	Diethylphthalate	47	
7005-72-3-----	4-Chlorophenyl-phenylether	41	
86-73-7-----	Fluorene	43	
100-01-6-----	4-Nitroaniline	31	
534-52-1-----	4,6-Dinitro-2-methylphenol	46	
86-30-6-----	N-Nitrosodiphenylamine (1)	38	
101-55-3-----	4-Bromophenyl-phenylether	43	
118-74-1-----	Hexachlorobenzene	43	
87-86-5-----	Pentachlorophenol	47	
85-01-8-----	Phenanthrene	49	
120-12-7-----	Anthracene	46	
86-74-8-----	Carbazole	47	
84-74-2-----	Di-n-butylphthalate	53	
206-44-0-----	Fluoranthene	48	
129-00-0-----	Pyrene	50	
85-68-7-----	Butylbenzylphthalate	49	
91-94-1-----	3,3'-Dichlorobenzidine	28	B
56-55-3-----	Benzo (a) anthracene	48	
218-01-9-----	Chrysene	47	
117-81-7-----	bis(2-Ethylhexyl)phthalate	53	
117-84-0-----	Di-n-octylphthalate	53	
205-99-2-----	Benzo (b) fluoranthene	50	
207-08-9-----	Benzo (k) fluoranthene	48	
50-32-8-----	Benzo (a) pyrene	42	
193-39-5-----	Indeno (1,2,3-cd) pyrene	45	
53-70-3-----	Dibenzo (a,h) anthracene	46	
191-24-2-----	Benzo (g,h,i) perylene	44	

(1) - Cannot be separated from Diphenylamine

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 #	S8 #	TOT OUT
01	SBLK3J	80	78	94	74	76	72			0
02	S3KLCS	95	90	105	84	81	92			0
03	S3KLCS	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
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			0
11	MW15D	86	82	104	78	77	81			0
12	K13	49	46*	58	42	41	36*			2
13	FLUSHMOUNT	90	85	70	68	62	84			0
14	MW8S	90	86	111	81	81	106			0
15	ASW	83	83	87	82	80	106			0
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (40-110)
 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

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

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
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	50-105
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

* Values outside of QC limits

COMMENTS:

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

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS 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		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

* Values outside of QC limits

COMMENTS:

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

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:

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

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					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	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:

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

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					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'-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

* Values outside of QC limits

COMMENTS:

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

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
bis(2-Ethylhexyl)phthal	50	53	106	0	40	40-125
Di-n-octylphthalate	50	53	106	4	40	35-135
Benzo(b)fluoranthene	50	50	100	4	40	45-120
Benzo(k)fluoranthene	50	48	96	6	40	45-125
Benzo(a)pyrene	50	42	84	2	40	55-110
Indeno(1,2,3-cd)pyrene	50	45	90	0	40	45-125
Dibenzo(a,h)anthracene	50	46	92	2	40	40-125
Benzo(g,h,i)perylene	50	44	88	2	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: 0 out of 64 outside limits

Spike Recovery: 4 out of 128 outside limits

COMMENTS:

4B
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK3J

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Lab File ID: S3E5565

Lab Sample ID: MB-31700

Instrument ID: S3

Date Extracted: 08/15/07

Matrix: (soil/water) WATER

Date Analyzed: 08/24/07

Level: (low/med) LOW

Time Analyzed: 1230

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	S3KLCS	LCS-31700	S3E5566	08/24/07
02	S3KLCS	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	VEW4	F1131-07C	S3E5574	08/24/07
08	K-2	F1131-08C	S3E5575	08/24/07
09	MW15S	F1131-10C	S3E5576	08/24/07
10	MW15D	F1131-11C	S3E5577	08/24/07
11	K13	F1131-12C	S3E5578	08/24/07
12	FLUSHMOUNT	F1131-13C	S3E5579	08/24/07
13	MW8S	F1131-02C	S3E5581	08/24/07
14	ASW	F1131-05C	S3E5606	08/27/07
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

MITKEM CORPORATION

Total
* Metals *

U.S.EPA - CLP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Corporation Contract: 99165
Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1131
SOW No.: SW846

EPA Sample No.

ASW
FLUSHMOUNT
K-2
K13
MW15D
MW15S
MW8D
MW8DD
MW8DS
MW8S
VEW1
VEW2
VEW3
VEW4

Lab Sample ID

F1131-05
F1131-13
F1131-08
F1131-12
F1131-11
F1131-10
F1131-01
F1131-01DUP
F1131-01MS
F1131-02
F1131-06
F1131-03
F1131-04
F1131-07

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:  Name: KAROLINA BADURA
Date: 8/18/97 Title: _____

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

ASW

Lab Name: Mitkem Corporation

Contract: 99165

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	C	Q	M
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	75100			P
7439-96-5	Manganese	2260			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FLUSHMOUNT

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix (soil/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	C	Q	M
7440-50-8	Copper	19.1	B		P
7439-89-6	Iron	33000			P
7439-96-5	Manganese	620			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

K-2

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix (soil/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	M
7440-50-8	Copper	54.8			P
7439-89-6	Iron	28500			P
7439-96-5	Manganese	709			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

K13

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix (soil/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	C	Q	M
7440-50-8	Copper	8.6	B		P
7439-89-6	Iron	9600			P
7439-96-5	Manganese	1090			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW15D

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix (soil/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	M
7440-50-8	Copper	19.8	B		P
7439-89-6	Iron	396			P
7439-96-5	Manganese	26.9	B		P

Comments:

U.S. EPA - CLP

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: F1131-10

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	B		P
7439-89-6	Iron	8870			P
7439-96-5	Manganese	155			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW8D

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1131

Matrix (soil/water): WATER

Lab Sample ID: F1131-01

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	18.6	B		P
7439-89-6	Iron	10300			P
7439-96-5	Manganese	259			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW8S

Lab Name: Mitkem CorporationContract: 99165Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: MF1131Matrix (soil/water): WATERLab Sample ID: F1131-02Level (low/med): MEDDate Received: 08/15/2007% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-50-8	Copper	24.5	B		P
7439-89-6	Iron	20800			P
7439-96-5	Manganese	879			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

VEW1

Lab Name: Mitkem CorporationContract: 99165Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF1131Matrix (soil/water): WATERLab Sample ID: F1131-06Level (low/med): MEDDate Received: 08/15/2007% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-50-8	Copper	9.6	B		P
7439-89-6	Iron	18300			P
7439-96-5	Manganese	559			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

VEW2

Lab Name: Mitkem Corporation

Contract: 99165

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	M
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	9020			P
7439-96-5	Manganese	582			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

VIEW3

Lab Name: Mitkem CorporationContract: 99165Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF1131Matrix (soil/water): WATERLab Sample ID: F1131-04Level (low/med): MEDDate Received: 08/15/2007% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-50-8	Copper	7.5	B		P
7439-89-6	Iron	5990			P
7439-96-5	Manganese	413			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

VIEW4

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1131

Matrix (soil/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	C	Q	M
7440-50-8	Copper	54.5			P
7439-89-6	Iron	20900			P
7439-96-5	Manganese	1020			P

Comments:

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Corporation Contract: 99165Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131Preparation Blank Matrix (soil/water): WATER Method Blank ID:Preparation Blank Concentration Units (ug/L or mg/kg): UG/L **MB-31838****OPTIMA3_070824A**

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
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	

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3

BLANKS

Lab Name: Mitkem Corporation Contract: 99165Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131Preparation Blank Matrix (soil/water): Method Blank ID: Preparation Blank Concentration Units (ug/L or mg/kg): **OPTIMA3_070824A**

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Copper			6.3	U	6.3	U	6.3	U			
Iron			19.0	U	19.0	U	19.0	U			
Manganese			1.8	U	1.8	U	1.8	U			

U.S. EPA - CLP

5A

EPA SAMPLE NO.

SPIKE SAMPLE RECOVERY

MW8DS

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1131

Matrix (soil/water): WATER

Level (low/med): MED

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Copper	75-125	1219.6342	18.6349 B	1130.00	106.3		P
Iron	75-125	14761.6016	10306.5632	4550.00	97.9		P
Manganese	75-125	2681.3464	258.8006	2270.00	106.7		P

Comments:

U.S. EPA - CLP

6

EPA SAMPLE NO.

DUPLICATES

MW8DD

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1131

Matrix (soil/water): WATER

Level (low/med): MED

% Solids for Sample: 0.0

% Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Copper		18.6349 B	17.3457 B	7.2		P
Iron		10306.5632	10165.9636	1.4		P
Manganese		258.8006	252.2349	2.6		P

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9

EPA SAMPLE NO.

ICP SERIAL DILUTIONS

MW8D

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131

Matrix (soil/water): WATER

Level (low/med): MED

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

Analyte	Initial Sample		Serial Dilution		% Difference	Q	M
	Result (I)	C	Result (S)	C			
Copper	18.63	B	31.50	U	100		P
Iron	10306.56		10924.48		6		P
Manganese	258.80		275.93		7		P

MITKEM CORPORATION

Dissolved
* Metals *

U.S.EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Mitkem Corporation Contract: 99165
Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MF1131D
SOW No.: SW846

EPA Sample No.

ASW
FLUSHMOUNT
K-2
K13
MW15D
MW15S
MW8D
MW8DD
MW8DS
MW8S
VEW1
VEW2
VEW3
VEW4

Lab Sample ID

F1131-05
F1131-13
F1131-08
F1131-12
F1131-11
F1131-10
F1131-01
F1131-01DUP
F1131-01MS
F1131-02
F1131-06
F1131-03
F1131-04
F1131-07

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: Kedine Bedline Name: KAROLINA BADURA
Date: 8/28/07 Title: _____

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

ASW

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1131D

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	C	Q	M
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	46800			P
7439-96-5	Manganese	2080			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

FLUSHMOUNT

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1131D

Matrix (soil/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	C	Q	M
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	159	B		P
7439-96-5	Manganese	2.3	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

K-2

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1131D

Matrix (soil/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	M
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	5680			P
7439-96-5	Manganese	550			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

K13

Lab Name: Mitkem CorporationContract: 99165Lab Code: MITKEM

Case No.: _____

SAS No.: _____

SDG No.: MF1131DMatrix (soil/water): WATERLab Sample ID: F1131-12Level (low/med): MEDDate Received: 08/15/2007% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	380			P
7439-96-5	Manganese	20.3	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW15D

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1131D

Matrix (soil/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	M
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	174	B		P
7439-96-5	Manganese	10.6	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW15S

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1131D

Matrix (soil/water): WATER

Lab Sample ID: F1131-10

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	6.3	U		P
7439-89-6	Iron	5910			P
7439-96-5	Manganese	144			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW8D

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1131D

Matrix (soil/water): WATER

Lab Sample ID: F1131-01

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	6.3	U		P
7439-89-6	Iron	167	B		P
7439-96-5	Manganese	4.4	B		P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

MW8S

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: MF1131D

Matrix (soil/water): WATER

Lab Sample ID: F1131-02

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	6.3	U		P
7439-89-6	Iron	9030			P
7439-96-5	Manganese	765			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

VEW1

Lab Name: Mitkem CorporationContract: 99165Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF1131DMatrix (soil/water): WATERLab Sample ID: F1131-06Level (low/med): MEDDate Received: 08/15/2007% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	5590			P
7439-96-5	Manganese	499			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

VIEW2

Lab Name: Mitkem CorporationContract: 99165Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF1131DMatrix (soil/water): WATERLab Sample ID: F1131-03Level (low/med): MEDDate Received: 08/15/2007% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	866			P
7439-96-5	Manganese	550			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

VIEW3

Lab Name: Mitkem CorporationContract: 99165Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF1131DMatrix (soil/water): WATERLab Sample ID: F1131-04Level (low/med): MEDDate Received: 08/15/2007% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	642			P
7439-96-5	Manganese	351			P

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

VEW4

Lab Name: Mitkem Corporation

Contract: 99165

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: MF1131D

Matrix (soil/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	C	Q	M
7440-50-8	Copper	6.3	U		P
7439-89-6	Iron	1010			P
7439-96-5	Manganese	843			P

Comments:

U.S. EPA - CLP

3

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-31709

OPTIMA3_070824A

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
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	

U.S. EPA - CLP

3

BLANKS

Lab Name: Mitkem Corporation Contract: 99165Lab Code: MITKEM Case No.: SAS No.: SDG No.: MF1131DPreparation Blank Matrix (soil/water): WATER

Method Blank ID:

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L**MB-31839****OPTIMA3_070824A**

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Copper			6.3	U	6.3	U	6.3	U	6.300	U	
Iron			19.0	U	19.0	U	19.0	U	19.000	U	
Manganese			1.8	U	1.8	U	1.8	U	1.800	U	

U.S. EPA - CLP

5A

EPA SAMPLE NO.

SPIKE SAMPLE RECOVERY

MW8DS

Lab Name: Mitkem CorporationContract: 99165Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF1131DMatrix (soil/water): WATERLevel (low/med): MED% Solids for Sample: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Copper	75-125	1223.1595	6.3000 U	1130.00	108.2		P
Iron	75-125	5183.4957	167.1296 B	4550.00	110.2		P
Manganese	75-125	2511.2521	4.3867 B	2270.00	110.4		P

Comments:

U.S. EPA - CLP

6

EPA SAMPLE NO.

DUPLICATES

MW8DD

Lab Name: Mitkem CorporationContract: 99165Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF1131DMatrix (soil/water): WATERLevel (low/med): MED% Solids for Sample: 0.0% Solids for Duplicate: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Copper		6.3000 U	6.3000 U			P
Iron		167.1296 B	152.8782 B	8.9		P
Manganese		4.3867 B	3.5880 B	20		P

U.S. EPA - CLP

9

EPA SAMPLE NO.

ICP SERIAL DILUTIONS

MW8D

Lab Name: Mitkem CorporationContract: 99165Lab Code: MITKEM Case No.: _____

SAS No.: _____

SDG No.: MF1131DMatrix (soil/water): WATERLevel (low/med): MED

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

Analyte	Initial Sample		Serial Dilution		% Difference	Q	M
	Result (I)	C	Result (S)	C			
Copper	6.30	U	31.50	U			P
Iron	167.13	B	165.78	B	1		P
Manganese	4.39	B	9.00	U	100		P



* Wet Chemistry *

Mitkem Corporation

Date: 29-Aug-07

Client: Earth Tech
Client Sample ID: MW8D
Lab ID: F1131-01

Project: Korkay Inc
Collection 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_TKN_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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

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	RL	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_W			
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_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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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



Mitkem Corporation

Date: 29-Aug-07

Client: Earth Tech
Client Sample ID: VEW2
Lab ID: F1131-03

Project: Korkay Inc
Collection 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_W				
TKN-N	3.6		0.20	mg/L		1 08/17/2007 9:45	31761

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 29-Aug-07

Client: Earth Tech
Client Sample ID: VEW3
Lab ID: F1131-04

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_W				
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_W				
TKN-N	2.0		0.20	mg/L		1 08/17/2007 9:45	31761

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 29-Aug-07

Client: Earth Tech
Client Sample ID: ASW
Lab ID: F1131-05

Project: Korkay Inc
Collection 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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 29-Aug-07

Client: Earth Tech
Client Sample ID: VEW1
Lab ID: F1131-06

Project: Korkay Inc
Collection 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_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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 29-Aug-07

Client: Earth Tech
Client Sample ID: VEW4
Lab ID: F1131-07

Project: Korkay Inc
Collection 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_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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 29-Aug-07

Client: Earth Tech
Client Sample ID: K-2
Lab ID: F1131-08

Project: Korkay Inc
Collection Date: 08/14/07 12:30

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 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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 29-Aug-07

Client: Earth Tech
Client Sample ID: MW15S
Lab ID: F1131-10

Project: Korkay Inc
Collection 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_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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 29-Aug-07

Client: Earth Tech
Client Sample ID: MW15D
Lab ID: F1131-11

Project: Korkay Inc
Collection 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_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 quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

Date: 29-Aug-07

Client: Earth Tech
Client Sample ID: K13
Lab ID: F1131-12

Project: Korkay Inc
Collection Date: 08/14/07 16:00

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 20:26	31701
ortho-Phosphate (As P)	ND		0.50	mg/L	1	08/24/2007 20:26	31701
ortho-Phosphate (As P)	ND		0.50	mg/L	1	08/15/2007 23:23	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)	160		20	mg/L CaCO3	1	08/22/2007 14:30	31846
NITROGEN (ORGANIC) by Micro-Kjeldahl Method							
			SM4500_TKN_W				
TKN-N	1.1		0.20	mg/L	1	08/17/2007 9:45	31761

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

Mitkem Corporation

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_W				
TKN-N	2.3		0.20	mg/L	1	08/17/2007 9:45	31761

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor

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

CLIENT: Earth Tech
Work Order: F1131
Project: Korkay Inc

ANALYTICAL QC SUMMARY REPORT

TestCode: E300IC_W

Sample ID: MB-31701	SampType: MBLK	TestCode: E300IC_W	Prep Date: 8/15/2007	Run ID: IC1_070815A
Client ID: MB-31701	Batch ID: 31701	Units: mg/L	Analysis Date: 8/15/2007	SeqNo: 682778
Analyte		Result	SPK value	SPK Ref Val
ortho-Phosphate (As P)		ND	0.50	RPD Ref Val
			PQL	%RPD RPDLimit
				Qual

Sample ID: MB-31701	SampType: MBLK	TestCode: E300IC_W	Prep Date: 8/15/2007	Run ID: IC1_070824B
Client ID: MB-31701	Batch ID: 31701	Units: mg/L	Analysis Date: 8/24/2007	SeqNo: 683235
Analyte		Result	SPK value	SPK Ref Val
Chloride		ND		RPD Ref Val
ortho-Phosphate (As P)		ND		%RPD RPDLimit
			PQL	Qual

Sample ID: LCS-31701	SampType: LCS	TestCode: E300IC_W	Prep Date: 8/15/2007	Run ID: IC1_070815A
Client ID: LCS-31701	Batch ID: 31701	Units: mg/L	Analysis Date: 8/15/2007	SeqNo: 682779
Analyte		Result	SPK value	SPK Ref Val
ortho-Phosphate (As P)		3.602	4.000	RPD Ref Val
			0	%RPD RPDLimit
			90.1	Qual
			90	
			110	

Sample ID: LCS-31701	SampType: LCS	TestCode: E300IC_W	Prep Date: 8/15/2007	Run ID: IC1_070824B
Client ID: LCS-31701	Batch ID: 31701	Units: mg/L	Analysis Date: 8/24/2007	SeqNo: 683236
Analyte		Result	SPK value	SPK Ref Val
Chloride		15.18	16.00	RPD Ref Val
ortho-Phosphate (As P)		3.652	4.000	%RPD RPDLimit
			0	Qual
			94.8	
			91.3	
			90	
			110	

0176

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

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

B - Analyte detected in the associated Method Blank

CLIENT: Earth Tech
Work Order: F1131
Project: Korkay Inc

TestCode: E415.1 TOC W

Sample ID: MB-31916	SampType: MBLK	TestCode: E415.1_TOC_W	Prep Date: 8/24/2007	Run ID: TOC1_070824A	
Client ID: MB-31916	Batch ID: 31916	Units: mg/L	Analysis Date: 8/24/2007	SeqNo: 683175	
Analyte		Result	SPK value	SPK Ref Val	%REC
Organic Carbon, Total		ND	10	LowLimit HighLimit	RPD Ref Val %RPD RPDLimit Qual
Sample ID: LCS-31916	SampType: LCS	TestCode: E415.1_TOC_W	Prep Date: 8/24/2007	Run ID: TOC1_070824A	
Client ID: LCS-31916	Batch ID: 31916	Units: mg/L	Analysis Date: 8/24/2007	SeqNo: 683176	
Analyte		Result	SPK value	SPK Ref Val	%REC
Organic Carbon, Total		60.55	10	53.70	113 80 120 0
Sample ID: F1131-13BMS	SampType: MS	TestCode: E415.1_TOC_W	Prep Date: 8/24/2007	Run ID: TOC1_070824A	
Client ID: FLUSHMOUNT	Batch ID: 31916	Units: mg/L	Analysis Date: 8/24/2007	SeqNo: 683191	
Analyte		Result	SPK value	SPK Ref Val	%REC
Organic Carbon, Total		60.82	10	50.00	122 75 125 0
Sample ID: F1131-13BDUP	SampType: DUP	TestCode: E415.1_TOC_W	Prep Date: 8/24/2007	Run ID: TOC1_070824A	
Client ID: FLUSHMOUNT	Batch ID: 31916	Units: mg/L	Analysis Date: 8/24/2007	SeqNo: 683190	
Analyte		Result	SPK value	SPK Ref Val	%REC
Organic Carbon, Total		ND	10	0	0 0 0 0 20

0271-9798/97/0005-0000\$05.00/0

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

ANALYTICAL QC SUMMARY REPORT

CLIENT: Earth Tech
Work Order: F1131
Project: Korkay Inc

TestCode: SM2320_W

Sample ID: MB-31845	SampType: MBLK	TestCode: SM2320_W	Prep Date: 8/22/2007	Run ID: SPEC2_070822A
Client ID: MB-31845	Batch ID: 31845	Units: mg/L CaCO3	Analysis Date: 8/22/2007	SeqNo: 681038
Analyte		Result	SPK value	SPK Ref Val
Alkalinity, Total (As CaCO3)		ND	PQL	RPD Ref Val
		20		%RPD RPDLimit
				Qual

Sample ID: MB-31846	SampType: MBLK	TestCode: SM2320_W	Prep Date: 8/22/2007	Run ID: SPEC2_070822A
Client ID: MB-31846	Batch ID: 31846	Units: mg/L CaCO3	Analysis Date: 8/22/2007	SeqNo: 681045
Analyte		Result	SPK value	SPK Ref Val
Alkalinity, Total (As CaCO3)		ND	PQL	RPD Ref Val
		20		%RPD RPDLimit
				Qual

Sample ID: LCS-31845	SampType: LCS	TestCode: SM2320_W	Prep Date: 8/22/2007	Run ID: SPEC2_070822A
Client ID: LCS-31845	Batch ID: 31845	Units: mg/L CaCO3	Analysis Date: 8/22/2007	SeqNo: 681039
Analyte		Result	SPK value	SPK Ref Val
Alkalinity, Total (As CaCO3)		38.00	PQL	RPD Ref Val
		20		%RPD RPDLimit
				Qual

Sample ID: LCS-31846	SampType: LCS	TestCode: SM2320_W	Prep Date: 8/22/2007	Run ID: SPEC2_070822A
Client ID: LCS-31846	Batch ID: 31846	Units: mg/L CaCO3	Analysis Date: 8/22/2007	SeqNo: 681046
Analyte		Result	SPK value	SPK Ref Val
Alkalinity, Total (As CaCO3)		40.00	PQL	RPD Ref Val
		20		%RPD RPDLimit
				Qual

Sample ID: F1131-11DMS	SampType: MS	TestCode: SM2320_W	Prep Date: 8/22/2007	Run ID: SPEC2_070822A
Client ID: MW15D	Batch ID: 31845	Units: mg/L CaCO3	Analysis Date: 8/22/2007	SeqNo: 681044
Analyte		Result	SPK value	SPK Ref Val
Alkalinity, Total (As CaCO3)		131.0	PQL	RPD Ref Val
		20		%RPD RPDLimit
				Qual

Sample ID: F1131-11DDUP	SampType: DUP	TestCode: SM2320_W	Prep Date: 8/22/2007	Run ID: SPEC2_070822A
Client ID: MW15D	Batch ID: 31845	Units: mg/L CaCO3	Analysis Date: 8/22/2007	SeqNo: 681043
Analyte		Result	SPK value	SPK Ref Val
Alkalinity, Total (As CaCO3)		79.00	PQL	RPD Ref Val
		20		%RPD RPDLimit
				Qual

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

CLIENT: Earth Tech
Work Order: F1131
Project: Korkay Inc

Project: Korkay Inc

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