

PELICAN MANUFACTURING SITE
REMEDIAL ACTION REPORT
JAMESTOWN, NEW YORK
SITE No: 9-07-010

WORK ASSIGNMENT No.
D003821-1

PREPARED FOR:



NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION, REMEDIAL BUREAU D
625 BROADWAY
ALBANY, NEW YORK 12233-7013

PREPARED BY:

EARTH TECH NORTHEAST, INC.
40 BRITISH AMERICAN BOULEVARD
LATHAM, NEW YORK 12110

SEPTEMBER 2003



Joseph E. Coffey, Jr.

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1.0 INTRODUCTION

1.1 GENERAL

At the request of the New York State Department of Environmental Conservation (NYSDEC), Earth Tech Northeast, Inc. (Earth Tech) has prepared this Remedial Action (RA) Report for remedial construction activities that were performed at the former Pelican Manufacturing site (the Site) in accordance with the March 2003 Explanation of Significant Differences (ESD). The remedial construction was completed during the period of April 1-18, 2003. The RA consisted of the following tasks:

- Mobilization of equipment, personnel, and materials to the Site
- Installation of erosion control measures
- Excavation of 943.22 tons of non-hazardous soils (approximately 903 CY)
- Excavation of 224.96 tons of hazardous soils (approximately 175 CY)
- Collection and analysis of post excavation verification samples
- Stockpiling and waste characterization of all excavated material
- Removal and treatment of 31,511 gallons of potentially contaminated groundwater
- Restoration and backfill of impacted areas with 1299.89 tons of stone and gravel
- Load out and disposal of 1168.18 tons of impacted material
- Demobilization of equipment, personnel, and materials from the Site

1.2 PROPERTY DESCRIPTION AND BACKGROUND

The Site is located on the west side of Washington Street, northwest of the intersection of Washington Street and 23rd Street in the City of Jamestown, Chautauqua County, New York (see Figure 1). The Site consists of approximately 1.3 acres of land that previously included a 10,000 square foot building that had been used for various commercial and manufacturing activities for at least the past 50 years (Figure 2). The building was demolished in 2002. The Site is bordered by other commercial or light manufacturing businesses. A portion of the former Jamestown City Landfill (now Chadakoin Park) borders the Site to the west. The Chadakoin River is approximately 2000 feet to the west of the Site. Another public park (Roseland) lies to the east of the Site.

Operational/Disposal History

In the mid-1940s, the Site was operated as an automobile repair shop. From the late 1940s to the late 1960s, the Site was operated as the Coverall Service and Supply Co. Throughout the 1970s and early 1980s, the Site was operated as a metal fabricating and finishing business, first by A.M.S. Co. (1971-1979), and then by Pelican Manufacturing, Inc. Pelican reportedly ceased operations at the facility in 1987. In 1993, the City of Jamestown foreclosed on the property for non-payment of taxes. Pelican Manufacturing, Inc. has been identified by the NYSDEC as a Potentially Responsible Party for the Site.

The on-Site structure previously known as Building No. 2223 contained a large central section with a smaller room (the "solvent room") located along the northernmost end and two offices located along the east side. Pelican reportedly used this building for the storage and use of solvents to degrease or clean metal parts prior to their painting and fabrication. The structure previously known as Building No. 2221 also consisted of a large central section with offices and a lavatory along the east side. Indications are that spills and disposal of the degreasing solvents in and around the building have resulted in the contamination of soils and groundwater at the Site.

A remedial investigation / feasibility study (RI/FS) was conducted in 1992-94. The results of this study are summarized in the Record of Decision (ROD) issued in March 1995. The ROD originally identified the following remediation goals for the site:

- The concentration of VOCs in the surface soil should be reduced to a level that results in acceptable levels of risk associated with dermal contact, ingestion of contaminated soil, or inhalation of volatiles released from the soil.
- The remedial program should prevent future leaching of contaminants present in soil into the groundwater at concentrations that exceed the groundwater quality standards.
- Eliminate the threat to surface waters by eliminating the run-off of contaminated on-site soils and eliminating to the extent practicable the discharge of contaminated groundwater to surface water.
- To the extent practicable, provide for the attainment of groundwater quality standards.
- The contaminated sediments should be removed to eliminate the potential for future release into the environment.

The ROD selected a remedy consisting of a soil vapor extraction (SVE) system in conjunction with a groundwater extraction and treatment system to cleanup the site. The groundwater extraction system was deemed necessary to lower the water table, thereby exposing VOC-contaminated soil to the effects of the SVE system. The SVE/groundwater treatment system was activated in January 1999. Contaminated sediments from the building's floor drains and from a septic tank located near the rear of the building were removed and disposed of off site.

In February 2000, Earth Tech evaluated the performance of the SVE/groundwater treatment system and determined that the existence of a VOC source area below the former solvents room within a portion of the deteriorating building was contributing to the groundwater plume more than originally anticipated. Earth Tech recommended excavation of the contaminant source. The treatment system was shut down in February 2001 and the building was subsequently demolished.

On February 19, 2002 Earth Tech collected 46 soil samples from 22 borings and submitted discrete intervals for laboratory analysis. Twelve soil samples contained concentrations of certain volatile organic compounds (VOCs) in excess of the compound-specific NYSDEC Recommended Soil Cleanup Objectives (RSCOs) as referenced in the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046. Those 12 soil samples served as a basis for the determination of the preliminary excavation limits. Figure 3 shows the historical soil boring analytical data and the proposed excavation limits.

In March 2003, the DEC issued an Explanation of Significant Differences (ESD) for the site. As noted in the ESD, the selected remedy was modified to include 1) excavation and off-site disposal of remaining soils containing VOCs suspected of being the original source of groundwater contamination; 2) removal and on-site treatment of groundwater that temporarily accumulates in excavations; 3) backfilling the excavations with clean soils imported from off-site; and 4) a monitoring program to evaluate natural attenuation of groundwater contaminant levels.

As originally specified in Table 1 of the ROD, the soil cleanup objectives for the modified remedy consist of the recommended soil cleanup objectives (RSCOs) set forth in TAGM 4046.

Chemical	Cleanup Objective (ppb)
Trichloroethene	700
1,2-Dichloroethene	300
Toluene	1500
Tetrachloroethene	1400

2.0 DESCRIPTION OF REMEDIAL ACTION

The remedial action was completed in compliance with the March 2003 ESD and the Remedial Action Work Plan Amendment #2 dated March 17, 2003. Remedial construction was performed by Earth Tech's subcontractor, Hickory Hill Construction, Inc. (the Contractor).

2.1 WORK TASK 1 – HEALTH AND SAFETY PLAN SUBMITTAL

Upon receipt of the official Notice to Proceed by Earth Tech in March 2003, the Contractor prepared a Site specific Health and Safety Plan. Attached to the HASP were the required training certificates for the field personnel assigned to this project.

2.2 WORK TASK 2 – MOBILIZATION/SITE PREPARATION

Prior to mobilization, the Underground Facilities Protective Organization (UFPO) marked the locations of aboveground and underground utilities, equipment, and structures in the vicinity of the work areas.

Earth Tech and the Contractor mobilized to the site on March 31, 2003. The Contractor established equipment staging areas. Earth Tech confirmed the locations of red flags marking the previous soil borings by measuring from existing site features. The proposed excavation areas were located and demarcated with the original soil boring centered in the proposed excavation. Approximately 200 lf of silt fence was installed along the northeastern corner of the site, the lowest topographic location within the fence perimeter. New locks were placed on all gates. Earth Tech reviewed in the field all proposed excavation areas with the NYSDEC on-Site representative, Kevin Glaser.

2.3 WORK TASK 3 - SOIL EXCAVATION

Soil excavation activities commenced on April 1, 2003. The Contractor utilized a track-mounted excavator (Hitachi 200) for all earth moving functions. Water that accumulated in the excavations was pumped to a 21,000-gallon Frac tank for temporary storage pending treatment with activated carbon and discharge to surface water (Section 2.6.2). Excavated soil was temporarily staged on and covered with polyethylene sheeting. The extent of each excavation area was determined in the field by field observations and photoionization detector (PID) head space readings taken from grab samples of the excavation sidewalls and floor. The location and final extent of each excavation is shown in Figure 4.

When, on the basis of PID screening, Earth Tech and the NYSDEC on-site representative deemed each excavation to be complete, post-excavation samples were collected for confirmatory analysis. The locations of the post-excavation samples are shown on Figure 5. Samples were submitted to Mitkem Corporation laboratory in Warwick, Rhode Island for VOC analysis by SW-846 Method 8260, with 24-hour turnaround. Waste characterization samples of stockpiled soil were also submitted to Mitkem for VOC analysis by SW-846 Method 8260. Post excavation and stockpile samples from a previously undetected 1,000- gallon UST were also analyzed for semi-VOCs by SW-846 Method 8270. The analytical results for the post-excavation and stockpile samples are summarized in Table 1.

The following subsections describe in detail the pertinent data and observations for each excavation area.

2.3.1 Excavation 07

Excavation 07 was initiated on April 1, 2003. A total of approximately 175 cubic yards of impacted soil was excavated and staged in Stockpile 07 pending offsite disposal. The maximum depth of the excavation was approximately 10 feet. Groundwater entered the excavation at approximately 6 feet below ground surface, and was pumped to the Frac tank. The following post-excavation samples were collected and analyzed for VOCs:

Excav-07-Floor	Sample collected at 10' bgs from the floor of the excavation
Excav-07-WestW	Sample collected at 0-10' bgs from the west wall of the excavation
Excav-07-NorthW	Sample collected at 0-10' bgs from the north wall of the excavation
Excav-07-EastW	Sample collected at 0-10' bgs from the east wall of the excavation
Excav-07-SouthW	Sample collected at 0-10' bgs from the south wall of the excavation

As indicated in Table 1, the concentrations of all detected VOCs in the post-excavation samples were below the NYSDEC Recommended Soil Cleanup Objectives (RSCOs) contained in Technical and Administrative Guidance Memorandum (TAGM) 4046.

After Earth Tech reviewed the results of the post-excavation sampling, Excavation 07 was backfilled on April 4, 2003. Prior to backfilling, water was pumped from the excavation into the Frac tank for temporary storage. The excavation was then backfilled with 3"-6" washed gravel from 6-10 feet bgs and with 4" and less bank run material from surface to 6 feet bgs. The voids in the washed gravel used below the water table provided a transmissive medium for groundwater. The backfill materials were supplied by an approved off-site source, Countryside Sand & Gravel, Inc., Fairplains Road, South Dayton, New York, 14138.

A composite sample (SP-07-WC) of the stockpiled material was collected and submitted for waste characterization analyses. As shown in Table 1, the concentrations in the stockpiled soil of trichloroethylene (TCE) (20,000 ppb), toluene (7,800 ppb) and several polynuclear aromatic compounds (PAHs) (120-1,200 ppb) exceeded the TAGM 4046 RSCOs. The pile was characterized as hazardous (refer to Table 2).

2.3.2 Excavation 03/C2

The excavation of area 03 was commenced on April 2, 2003. A total of approximately 74 cubic yards of impacted soil was excavated on April 2. Visually impacted/odoriferous soil and soil that appeared to be clean were segregated and staged in separate stockpiles (Stockpile 03/C2 and Stockpile 03/C2-Clean) pending receipt of waste-characterization results. The maximum depth the Area 03 excavation was approximately 6 feet. Groundwater entered the excavation at approximately 6 feet below ground surface, and was pumped to the Frac tank. The following post-excavation samples were collected and analyzed for VOCs. The sample from the floor of Excavation 03 consisted primarily of peat:

Excav-03-Floor	Sample collected at 5' bgs from the floor of the excavation (peat)
Excav-03-WestW	Sample collected at 0-5' bgs from the west wall of the excavation
Excav-03-NorthW	Sample collected at 0-5' bgs from the north wall of the excavation
Excav-03-EastW	Sample collected at 0-5' bgs from the east wall of the excavation
Excav-03-SouthW	Sample collected at 0-5' bgs from the south wall of the excavation

Area C2 was excavated on April 2 to a depth of approximately 10 feet bgs. A contaminated peat layer was encountered at 6.5-9 feet bgs. The peat layer extended across Excavation 03/C2 and into Test Pit 5,

located immediately to the east, and to Test Pits 3 and 4, located to the south (Figure 4). The layer of peat was thickest in the C2 area (approximately 2.5 feet), and decreased in thickness toward the east, where it was present as a thin layer in Excavation 07. The thicker peat deposit in the west was consistent with the presence of a topographic low and swamp immediately west of the site. The peat layer was generally underlain by blue-gray sand. The color of the uppermost 3-4 inches of the peat layer was black and appeared to be heavily oxidized. Below this upper zone the peat was brown to reddish brown and humic in texture. PID readings indicated that the VOC content generally increased at deeper intervals within the peat layer.

A total of approximately 167 cubic yards of impacted soil and peat was excavated from Area C2. Groundwater entered the C2 excavation relatively quickly. A sump was installed in the bottom of the C2 excavation and accumulated water was pumped to the Frac tank. The following post-excavation samples were collected from the C2 excavation and analyzed for VOCs. Sample C2-Peat was also analyzed for total organic carbon (TOC) by Lloyd Kahn Method (Appendix H):

Excav-C2-Floor	Sample collected at 10' bgs from the floor of the excavation
C2-Peat	Sample collected at 6.5-9' bgs from all sidewalls of the excavation

As indicated in Table 1, the concentration of TCE exceeded the TAGM 4046 RSCOs for the April 2 samples from the north, west, south and east walls of Excavation 03. In the sample from the east wall, TCE was reported at a concentration of 740 ppb, which is only 6% greater than the RSCO, a differential that is probably within the variability of the analytical method. In the sample from the floor of Excavation C2, the concentrations of all detected VOCs were below the TAGM 4046 RSCOs.

Table 1 provides alternate RSCOs for peat that were calculated based on the naturally occurring, elevated TOC content of the peat (61%). The higher RSCO values reflect the peat's greater ability to retain contaminants by adsorption of the contaminants on the organic carbon. The concentrations of VOCs in the samples of peat from the floor of Excavation 03 (Excav-03-Floor) and the walls of Excavation C2 (C2-Peat) do not exceed the alternate RSCOs for this material.

On April 8 and at the direction of the NYSDEC, Earth Tech excavated approximately 54 cubic yards of additional soil along the north wall of Excavation 03. Following this additional excavation, a post excavation sample (Excav-03-Northw2) was collected from 0-5 feet bgs from the north wall. None of the analytes in this sample were reported at concentrations in excess of the TAGM 4046 RSCOs.

On April 15, Earth Tech excavated Test Pit Nos. 3 and 4 south of Excavation 03 to define the limits of contamination and determine the lateral extent of the impacted Peat Layer. At approximately 10 feet south of the north end of Test Pit 3, Earth Tech collected a sample of blue-gray sand (TP3-Gsand) and peat (TP3-Peat). The test pit samples were submitted for VOC analysis by SW-846 Method 8260. None of the detected analytes were reported at concentrations that exceeded the TAGM 4046 RSCOs. The peat sample contained cis-1, 2-Dichloroethene at 2,900 ug/kg (ppb). No RSCO is available for this compound. In Test Pit 4, Earth Tech collected a sample of blue-gray sand (TP4-Gsand) and peat (TP4-Peat). The test pit samples were submitted for VOC analysis by SW-846 Method 8260. None of the detected analytes were reported at concentrations that exceeded the TAGM 4046 RSCOs. Both test pits were backfilled with the material excavated from the test pits.

On April 17, Earth Tech excavated Test Pit No. 5 east of the 03/C2 excavation area to define the limits of contamination and determine the lateral extent of the impacted Peat Layer. A sample of peat (TP5-Peat) was collected at approximately 5.5 feet bgs and a sample of gravel (TP-5-Gravel) was collected at approximately 7 feet bgs. The samples were submitted for VOC analysis by SW-846 Method 8260. None of the detected VOCs were present at concentrations above the TAGM 4046 RSCOs.

Composite samples of the clean stockpiled material (SP-03/C2-Clean) and the contaminated stockpile (SP-03/C2-WC) were collected and submitted for waste characterization analyses. As shown in Table 1, the concentrations of TCE (2,700 ppb) and Acetone (220 ppb) in the contaminated stockpile sample exceeded the RSCO in TAGM 4046. The concentration of TCE in the clean stockpile sample exceeded the RSCO in TAGM 4046 by 140 ppb. With the approval of the on-Site DEC representative, Kevin Glaser, the material in the "clean" stockpile was placed in Excavation 03 on April 10. The remainder of Excavation 03/C2 was backfilled with crushed stone and gravel from a DEC-approved source. The material in the contaminated stockpile was characterized as non-hazardous waste (refer to Table 2).

2.3.3 Excavation SR (Solvent Room)

Excavation of the former Solvent Room area (Excavation SR) was performed on April 3, 2003. A total of approximately 485 cubic yards of impacted soil was excavated. Apparently clean soil excavated from 0-2 feet bgs was placed in a "clean" stockpile (Stockpile-SR-Clean). The remaining soil was staged in a separate stockpile pending receipt of waste-characterization results. The maximum depth of Excavation SR was approximately 10 feet. An impacted blue-gray sand/gravel layer at 5-7' bgs was encountered along the east wall. The contamination in that area could not be excavated due to the unstable slope of the excavation and the presence of Washington Street bordering the east wall of the excavation. Groundwater entered the excavation at approximately 8 feet below ground surface, and was pumped to the Frac tank. The following post-excavation samples were collected and analyzed for VOCs.

Excav-SR-Floor	Sample collected at 10' bgs from the floor of the excavation
Excav-SR-WestW	Sample collected at 2-10' bgs from the west wall of the excavation
Excav-SR-NorthW	Sample collected at 2-10' bgs from the north wall of the excavation
Excav-SR-EastW	Sample collected at 2-10' bgs from the east wall of the excavation
Excav-SR-SouthW	Sample collected at 2-10' bgs from the south wall of the excavation
Excav-SR-EastW5-6	Sample collected at 5-6' bgs from the east wall of the excavation-determine the concentration of the hotspot in the east wall

With two exceptions, the concentrations of all detected VOCs in the post-excavation samples were below the NYSDEC Recommended Soil Cleanup Objectives (RSCOs) contained in TAGM 4046. The concentration of TCE (770 ug/kg) in the sample from 2-10' bgs on the east wall (Excav-SR-EastW) slightly exceeded the RSCO of 700 ug/kg. Paradoxically, TCE was not detected in the "hot spot" sample from the east wall (Excav-SR-EastW5-6). Xylenes (total) were reported in the sample from the floor (Excav-SR-Floor) at 2,100 ug/kg, exceeding the RSCO of 1,200 ug/kg.

On April 8, Test Pit #1 was excavated along the western edge of Excavation SR. The test pit was completed to 11' bgs. A sample was collected from 11' bgs from the floor of the test pit (TP1-Floor-11). Test Pit #2 was excavated along the southern edge of Excavation SR. The test pit was completed to 11' bgs. A sample was collected from approximately 11' bgs from the floor of the test pit (TP2-Floor-11). The concentrations of all detected VOCs in the test pit samples were below the TAGM 4046 RSCOs. Both Test Pits were backfilled with the material that was removed from the test pits.

Earth Tech collected composite samples from the impacted stockpiled material (SP-SR-WC) and the assumed clean material (SP-SR-Clean) and submitted the samples to Mitkem for waste characterization analysis. As shown in Table 1, the concentrations of TCE (2,600 ppb), Xylenes (total) (24,000 ppb) and Toluene (1,700 ppb) in the contaminated stockpile sample exceeded the RSCO in TAGM 4046. The concentration of TCE (1,800 ppb) in the clean stockpile sample exceeded the RSCO in TAGM 4046 by 140 ppb.

Excavation SR was backfilled on April 9 with a total of 628 tons of clean, crushed stone and gravel. The stockpile was characterized as non-hazardous waste (refer to Table 2).

2.3.4 1000-Gallon UST Removal

On April 7 Earth Tech excavated a previously undetected 1,000-gallon underground storage tank (UST). The tank appeared to be a former gasoline tank. The tank was in poor condition with several holes in its bottom. A strong petroleum odor was present during the tank removal. All contents of the tank were removed, the tank was cleaned, crushed to prevent further use, and disposed of offsite along with the associated impacted soil from the area.

A total of approximately 123 cubic yards of impacted material was removed around the former UST. The material was stockpiled and sampled for waste characterization (SP-Tank-WC).

Earth Tech collected the following post excavation samples from the UST excavation:

Excav-Tank-Floor	Sample collected at 10' bgs from the floor of the excavation
Excav-Tank-WestW	Sample collected at 0-10' bgs from the west wall of the excavation
Excav-Tank-NorthW	Sample collected at 0-10' bgs from the north wall of the excavation
Excav-Tank-EastW	Sample collected at 0-10' bgs from the east wall of the excavation
Excav-Tank-SouthW	Sample collected at 0-10' bgs from the south wall of the excavation

On April 9, Earth Tech excavated an additional 25 cubic yards of soil from the west wall of the UST excavation area. A second post excavation sample was collected from the west wall from 0-10' bgs (Excav-Tank-WestW2). A composite sample of the stockpiled, excavated material was also collected (SP-Tank-WC). All post-excavation samples (except Excav-Tank-WestW2) and the stockpile sample were submitted to Mitkem for VOC analysis by SW-846 Method 8260, and semi-VOC analysis by SW-846 Method 8270. Sample Excav-Tank-WestW2 was submitted for SVOC analysis only.

As shown on Table 1, no VOCs were reported in the post-excavation samples from the UST excavation at concentrations above the TAGM 4046 RSCOs. Several PAH compounds were present in the samples from the west wall at concentrations in excess of the RSCOs. A number of non-chlorinated (petroleum hydrocarbon) VOCs were present in the stockpiled material at concentrations below the available RSCOs.

The tank excavation was backfilled on April 9 with large crushed stone.

2.4 WORK TASK 4 – DECONTAMINATION

The Contractor decontaminated the bucket of the excavator upon completion of each soil excavation area and before proceeding from excavation of soils that were presumed to be contaminated to non-contaminated soils. The bucket of the excavator was placed over the soil pile and all loose dirt was scraped off and allowed to drop into the pile. The bucket was decontaminated by either scrubbing the bucket with soap and water or pressure washing allowing the rinsate to collect in the soil. All used personnel protective equipment was added to non-hazardous soil stockpiles for off-site disposal at permitted facilities.

2.5 WORK TASK 5 – SITE RESTORATION

The post excavation analyses were performed on a 24-hour turn-around-time basis. The excavation areas were secured with orange safety fence until the results of the samples were received and a determination that the excavation met the remedial action objective was made.

All excavations were backfilled with “certified” clean fill (gravel, crushed stone) or stockpiled clean soil as noted in Section 2.3. Fill was compacted in lifts of 12 inches using the bucket of the excavator.

2.6 WORK TASK 6 – WASTE MANAGEMENT

The following describes the waste management activities completed during the course of the remedial action.

2.6.1 Contaminated Soil

Excavated soil was classified on the basis of field screening and waste characterization analyses as 1) hazardous waste, 2) non-hazardous waste, and 3) “clean” soil suitable for use on-Site as backfill. The estimated (surveyed) and actual (weighed) quantities of each category are summarized below.

Table 2 – Excavated Soil Quantities

Excavation Area	Surveyed Quantity		Disposed of as	Disposed of as Non-	Stockpiled As
	Cu. Yd.	Calc. Tons	Hazardous Waste	Hazardous Waste	Clean Backfill
			Calc. Tons	Calc. Tons	Est. Cu. Yd.
Excav 03	128	179.2	0	109	50
Excav C2	167	233.8	0	169	50
Solvent Room	485	679	0	539	100
Excav 07	175	245	245	0	0
Tank Excavation	123	172.2	0	172	0
Totals (calculated)	1078	1509.2	245	989	200
Totals (weighed)			224.96	943.22	

Based on the concentration of TCE in the soil excavated from Area 07, the material was disposed of as listed hazardous waste (D040) at the US Liquids of Detroit facility, located at 1922 Frederick Street, Detroit, MI 48211 (USEPA ID No. MID980991566). The hazardous waste was transported by US Bulk Transport, Inc. of 6286 Sterrettania Road, Fairview, PA 16415 (USEPA ID No. PAD987347515). Copies of the hazardous waste manifests are contained in Appendix B. A total of 224.96 tons was shipped to the facility on April 16-17, 2003.

The concentrations of TCE and other constituents in the soils excavated from the remaining areas were lower than the “contained in” criteria in TAGM 3038. Therefore, these soils were disposed of as non-hazardous solid waste at the Chautauqua County Landfill, located at 3889 Towerville Road, Jamestown, NY 14701. The non-hazardous soils were transported by the City of Jamestown. Copies of the non-hazardous waste manifests are contained in Appendix C. A total of 943.22 tons were shipped on April 14-15, 2003.

2.6.2 Contaminated Water

Water generated during Site activities was treated on-site. Water included decontamination water and contaminated water that accumulated in excavations. All potentially contaminated water was pumped into a 21,000 gallon Frac tank and held pending treatment. Accumulated water was periodically treated by Sentinel Technologies, Inc. of Gainesville New York. The treatment system consisted of a bag filter and two canisters of granular activated carbon (GAC). Water was treated at a rate of approximately 10 gpm and discharged to surface water pursuant to the Pelican Site's existing SPDES-equivalent permit.

A summary of the treatment dates and quantities of water treated is provided below:

Table 3 – Treated Water Quantities

Date	Vol. Treated
4/4/03	3,125 gals
4/7/03	3,371 gals
4/9/03	5,770 gals
4/10/03	8,190 gals
4/11/03	4,410 gals
4/14/03	6,390 gals
4/15/03	<u>225 gals</u>
Total	31,511 gals

A sample of the effluent from the second GAC canister was collected on April 4, 2003 (EFL-GAC-040403) and submitted to Mitkem Corporation analytical laboratory for analysis of VOCs by SW-846 Method 8260. A copy of the laboratory report is contained in Appendix D. The effluent sample results for all analytes were non-detect (U) at the CRDL of 5 ug/L (ppb), thereby meeting the applicable standards set forth in 6 NYCRR Part 703.5 - Surface Water And Groundwater Quality Standards And Groundwater Effluent Limitations:

Chemical	Standard (ug/L)
Trichloroethene	5
1,2-Dichloroethene	5
Toluene	5
Tetrachloroethene	5

Silt that had accumulated in the bottom of the Frac tank was removed, combined with non-hazardous soil from the excavations, and disposed of with the soil at the Chautauqua County Landfill.

3.0 CONCLUSIONS AND RECOMMENDATIONS

The hot spot remediation was performed to remove soil areas identified as having concentrations of contaminants greater than the NYSDEC TAGM 4046. The soil remediation project was successful in the fact that the confirmation sampling showed that only two sample locations still exceeded the NYSDEC TAGM. These two sample locations were identified as the east wall of the solvent room excavation, which could not be removed because of its proximity to Washington Street. The second sample location was identified as the west wall of the underground storage tank location. This sample location showed elevated concentrations of SVOCs. Based on groundwater monitoring data, SVOCs have not been a groundwater contaminant at the site and are not likely to be a contributor to groundwater contamination in the future since the source area has been removed. The peat layer which contains elevated concentrations of contaminants should not impact groundwater based on the peat's ability to adsorb the contaminants in the highly organic matrix.

In order to fully evaluate the effectiveness of the remediation a groundwater sampling strategy should be developed to monitor the site over the course of one yearly hydraulic cycle to determine whether any contaminants are introduced at varying groundwater elevations. The year long groundwater monitoring can be compared to historic monitoring to determine whether site contaminant concentrations are lower than historic concentrations and if any fluctuations still occur.

The equipment utilized in the original remedial action should be removed from the Site.

4.0 CONSTRUCTION CERTIFICATION

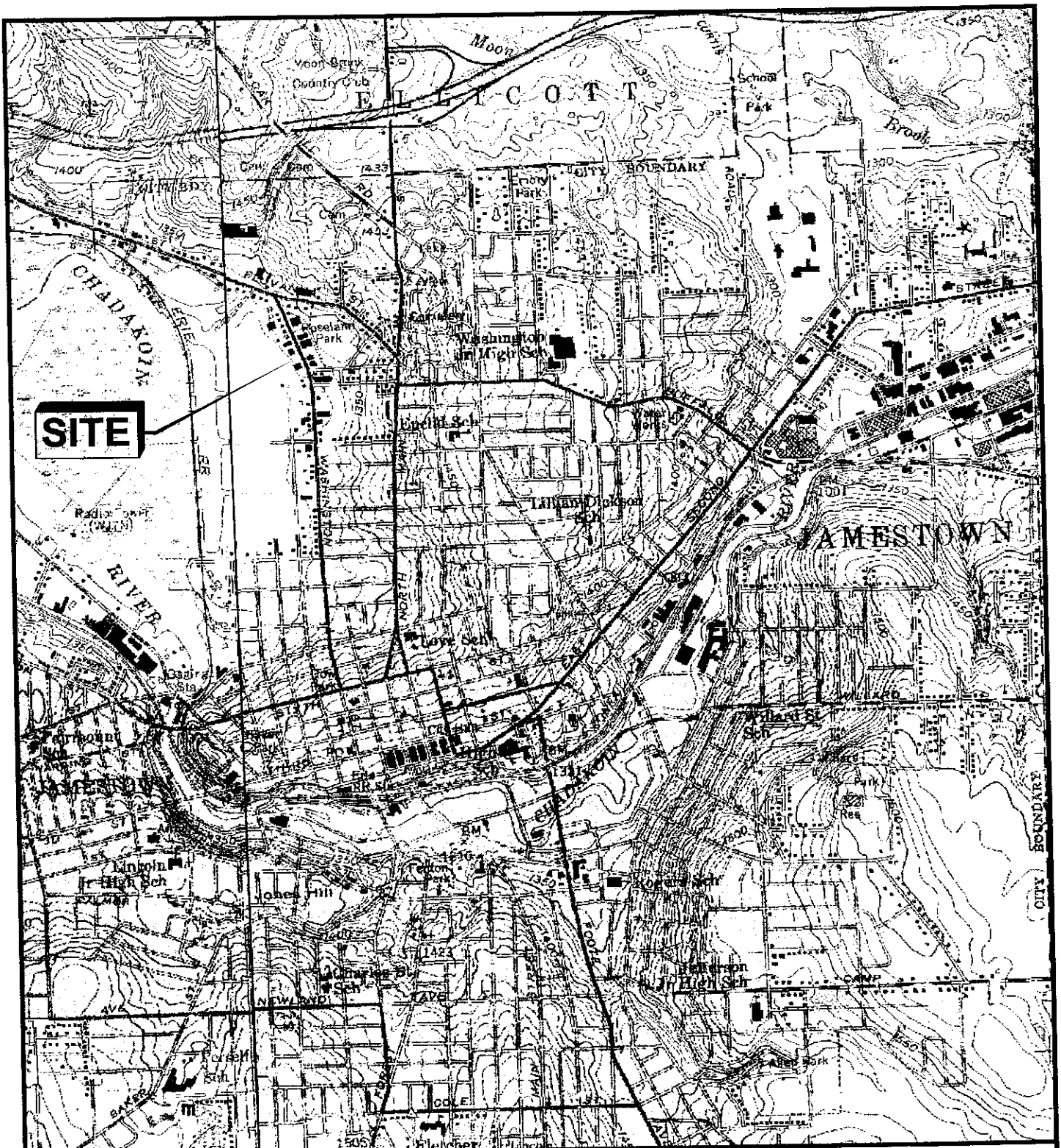
Construction was completed in substantial conformance with the Remedial Action Work Plan Amendment #2 dated March 17, 2003, prepared by Earth Tech Northeast, Inc.

Signature: Joseph E. Coffey Jr
Earth Tech Northeast, Inc.

Date: 13 October 2003



FIGURES



SITE

EARTH TECH
 A tyco Infrastructure Services Company

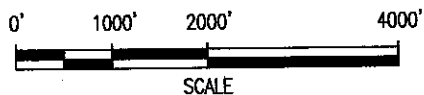


FIGURE 1
SITE LOCATION
PELICAN MANUFACTURING SITE
 2223 Washington Street
 Jamestown, New York

MAY, 2003

32375

MAP REFERENCE : U.S.G.S. 7.5 MINUTE LAKEWOOD, JAMESTOWN QUADRANGLES.

X-REF:

CAD FILE NAME: 32375\CADD\I2003\DWG\32375_BASE2003_3

DATE: 5/21/03



LEGEND
 MW-1S MONITORING WELL

NOTES:

THIS MAP IS BASED ON A FIELD SURVEY PERFORMED APRIL 4, 2003 AND INFORMATION SUPPLIED BY FOIT-ALBERT ASSOC.

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY AND RECORD INFORMATION. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM RECORD INFORMATION AVAILABLE, THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

ELEVATIONS ARE REFERENCED TO THE SITE VERTICAL DATUM.

COORDINATES ARE REFERENCED TO AN ASSUMED COORDINATE SYSTEM.

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LOCATIONS OF MW-1S, MW-1D AND VE-17 HAVE BEEN MODIFIED TO MATCH HISTORICAL AS BUILT DRAWINGS (TREATEK-CRA COMPANY DWG. 7476-MP-02).

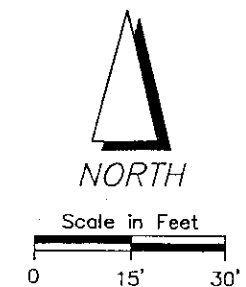
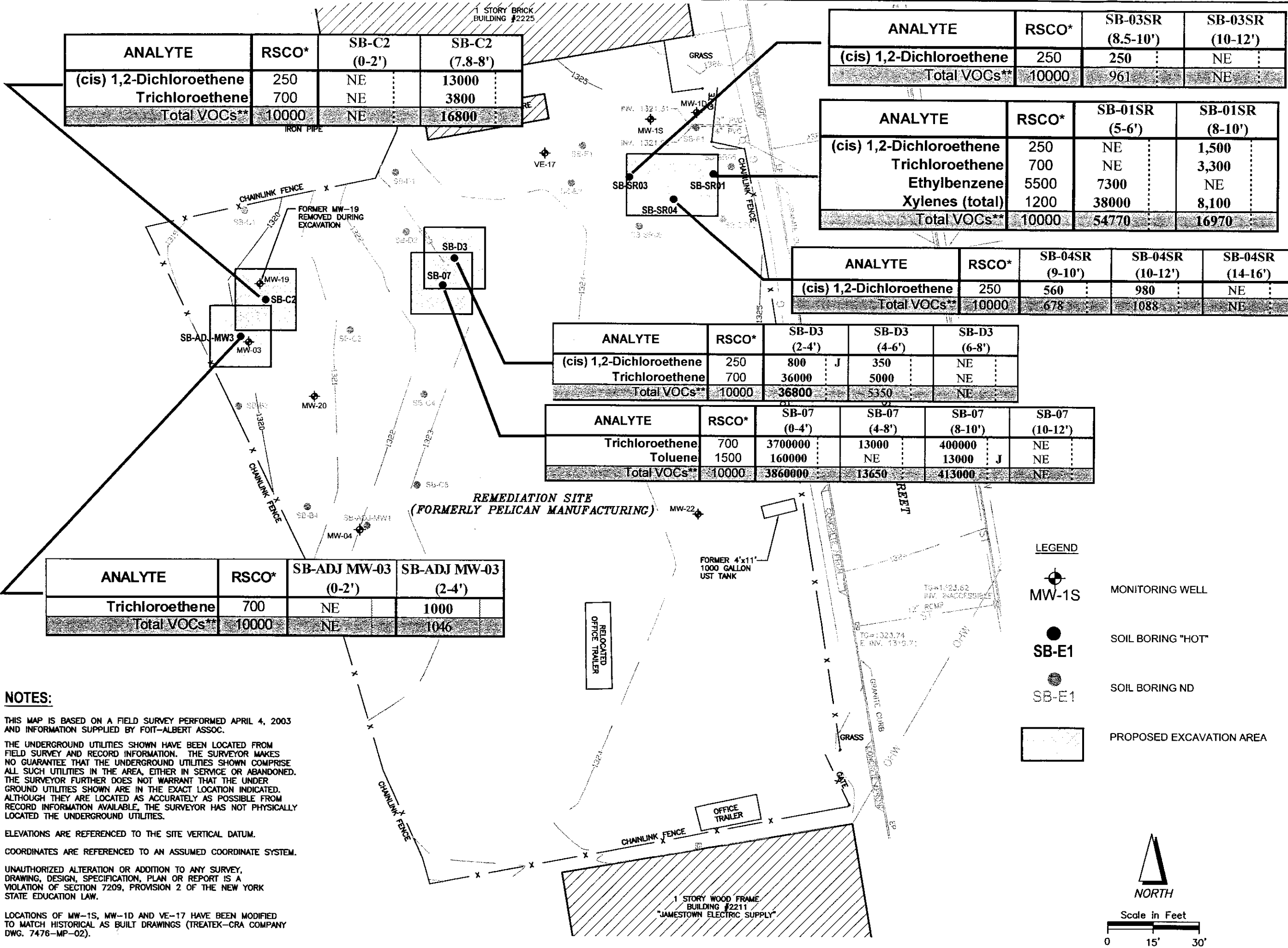


FIGURE 2 GENERAL SITE LAYOUT PELICAN MANUFACTURING SITE 2223 Washington Street Jamestown, New York		EARTH TECH A tyco Infrastructure Services Company	
DATE	5/21/03	NO	REVISIONS
PROJECT NO	32375	DRN	CHK
DRAWING NO	32375_BASE2003	DATE	
SHEET NO.	1 OF 4		
SHEET NO	2 of 5		

X-REF: 32375\CADD\2003\DWG\32375_BASE2003_3
 CAD FILE NAME: 32375\CADD\2003\DWG\32375_BASE2003_3



ANALYTE	RSCO*	SB-C2 (0-2')	SB-C2 (7.8-8')
(cis) 1,2-Dichloroethene	250	NE	13000
Trichloroethene	700	NE	3800
Total VOCs**	10000	NE	16800

ANALYTE	RSCO*	SB-03SR (8.5-10')	SB-03SR (10-12')
(cis) 1,2-Dichloroethene	250	250	NE
Total VOCs**	10000	961	NE

ANALYTE	RSCO*	SB-01SR (5-6')	SB-01SR (8-10')
(cis) 1,2-Dichloroethene	250	NE	1,500
Trichloroethene	700	NE	3,300
Ethylbenzene	5500	7300	NE
Xylenes (total)	1200	38000	8,100
Total VOCs**	10000	54770	16970

ANALYTE	RSCO*	SB-04SR (9-10')	SB-04SR (10-12')	SB-04SR (14-16')
(cis) 1,2-Dichloroethene	250	560	980	NE
Total VOCs**	10000	678	1088	NE

ANALYTE	RSCO*	SB-D3 (2-4')	SB-D3 (4-6')	SB-D3 (6-8')
(cis) 1,2-Dichloroethene	250	800	350	NE
Trichloroethene	700	36000	5000	NE
Total VOCs**	10000	36800	5350	NE

ANALYTE	RSCO*	SB-07 (0-4')	SB-07 (4-8')	SB-07 (8-10')	SB-07 (10-12')
Trichloroethene	700	370000	13000	400000	NE
Toluene	1500	160000	NE	13000	J
Total VOCs**	10000	3860000	13650	413000	NE

ANALYTE	RSCO*	SB-ADJ MW-03 (0-2')	SB-ADJ MW-03 (2-4')
Trichloroethene	700	NE	1000
Total VOCs**	10000	NE	1046

LEGEND

- MW-1S MONITORING WELL
- SB-E1 SOIL BORING "HOT"
- SB-E1 SOIL BORING ND
- PROPOSED EXCAVATION AREA

NOTES:

THIS MAP IS BASED ON A FIELD SURVEY PERFORMED APRIL 4, 2003 AND INFORMATION SUPPLIED BY FOIT-ALBERT ASSOC.

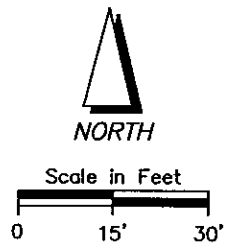
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ELEVATIONS ARE REFERENCED TO THE SITE VERTICAL DATUM.

COORDINATES ARE REFERENCED TO AN ASSUMED COORDINATE SYSTEM.

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LOCATIONS OF MW-1S, MW-1D AND VE-17 HAVE BEEN MODIFIED TO MATCH HISTORICAL AS BUILT DRAWINGS (TREATEK-CRA COMPANY DWG. 7476-MP-02).



NO	REVISIONS	DRN	CHK	DATE

FIGURE 3

PROPOSED EXCAVATION LIMITS AND HISTORICAL BORING LOCATIONS PELICAN MANUFACTURING SITE

2223 Washington Street
Jamestown, New York

EARTH TECH
A **tyco** Infrastructure Services Company

DATE	5/21/03
PROJECT NO	32375
DRAWING NO	32375_BASE2003
SHEET NO.	1 OF 4
SHEET NO	3 of 5



LEGEND

- MW-1S MONITORING WELL
- SB-E1 SOIL BORING "HOT"
- SB-E1 SOIL BORING ND
- EXCAVATION AREA
- TEST PIT

NOTES:

THIS MAP IS BASED ON A FIELD SURVEY PERFORMED APRIL 4, 2003 AND INFORMATION SUPPLIED BY FOIT-ALBERT ASSOC.

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LOCATIONS OF MW-1S, MW-1D AND VE-17 HAVE BEEN MODIFIED TO MATCH HISTORICAL AS BUILT DRAWINGS (TREATEK-CRA COMPANY DWG. 7476-MP-02).

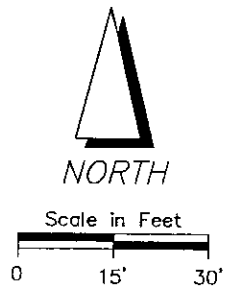
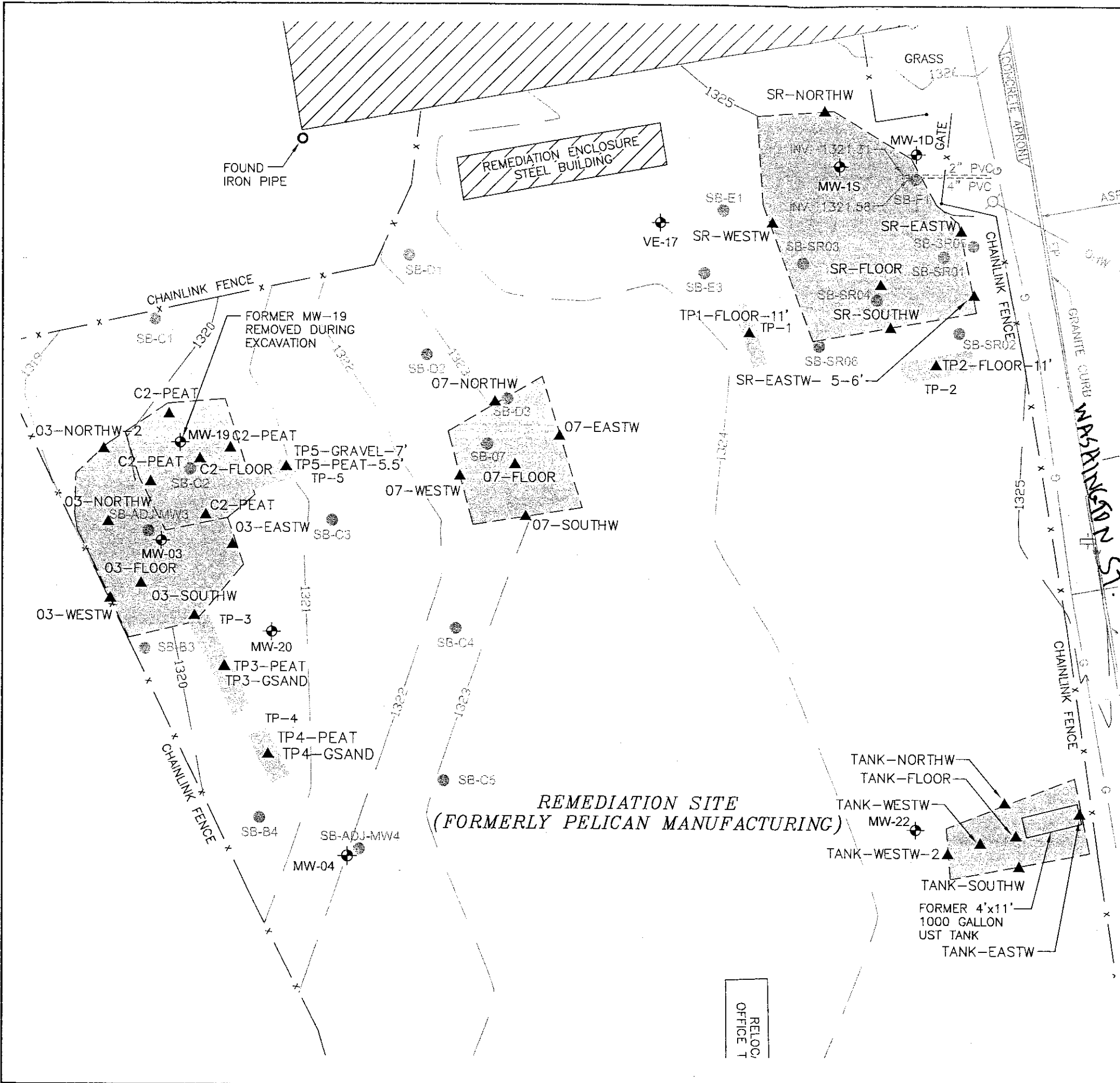


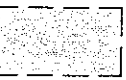




FIGURE 4 FINAL EXCAVATION LIMITS PELICAN MANUFACTURING SITE 2223 Washington Street Jamestown, New York		EARTH TECH A tyco Infrastructure Services Company	
DATE	5/21/03	NO	REVISIONS
PROJECT NO.	32375		
DRAWING NO	32375_BASE2003		
SHEET NO.	1 OF 4		
SHEET NO	4 of 5		

CAD FILE NAME: 32375\CADD\12003\DWG\92375_BASE2003_3 X-REF:



LEGEND

-  MONITORING WELL
- MW-1S
-  SOIL BORING
- SB-E1
-  EXCAVATION AREA
-  TEST PIT
-  EXCAVATION SAMPLE LOCATION
- 07-EASTW

NOTES:

ALL SAMPLE LOCATIONS ARE APPROXIMATE.
 BASED UPON FIELD MEASUREMENTS AND OBSERVATIONS.
 BASED UPON ANALYTICAL RESULT FOR TANK-WESTW, ADDITIONAL
 SOIL WAS REMOVED FROM THE WEST WALL AND SAMPLE
 TANK-WEST-2 WAS COLLECTED TO VERIFY ALL IMPACTED SOIL
 ABOVE SITE CLEANUP OBJECTIVE WAS REMOVED.

NOTES:

THIS MAP IS BASED ON A FIELD SURVEY PERFORMED APRIL 4, 2003
 AND INFORMATION SUPPLIED BY FOIT-ALBERT ASSOC.

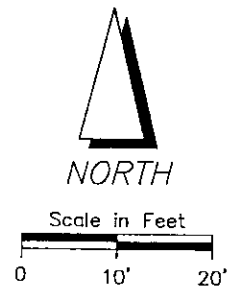
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 THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDER
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 ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM
 RECORD INFORMATION AVAILABLE, THE SURVEYOR HAS NOT PHYSICALLY
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LOCATIONS OF MW-1S, MW-1D AND VE-17 HAVE BEEN MODIFIED
 TO MATCH HISTORICAL AS BUILT DRAWINGS (TREATEK-CRA COMPANY
 DWG. 7476-MP-02).



NO	REVISIONS	DRN	CHK	DATE

FIGURE 5
POST EXCAVATION SAMPLING LOCATIONS
PELICAN MANUFACTURING SITE
 223 Washington Street
 Jamestown, New York



EARTH T E C H
 A **tyco** Infrastructure Services Company

DATE	5/21/03
PROJECT NO	32375
DRAWING NO	32375_BASE2003
SHEET NO.	1 OF 4
SHEET NO	5 of 5

TABLE 1

Table 1 - Soil Analytical Results - VOCs

	TP1-FLOOR- 11	TP2-FLOOR- 11	NORTHW	EXCAV-SR- NORTHW	EXCAV-SR- SOUTHW	EXCAV-SR- EASTW	EXCAV-SR- FLOOR	EXCAV-SR- WESTW	EXCAV-SR- EAST5-6	SP-SR- CLEAN	SP-SR-WC
Acetone	27	J	60	J	4	52	300	U	280	U	290
2-Butanone	4	B	9	J	6	33	300	U	280	U	290
cis-1,2-Dichloroethene	81	10	7	J	30	22	89	J	280	U	100
Trichloroethene	450	D	380	U	220	770	130	J	1800	U	2600
Ethylbenzene	5	U	29	U	6	33	390	J	280	U	5100
Xylene (Total)	1200	U	29	U	6	33	2100	J	280	U	24000
Toluene	1500	U	29	U	6	33	170	J	280	U	1700
Tetrachloroethene	1400	U	9	J	1	19	300	U	280	U	150
1,1,1-Trichloroethane	800	J	29	J	7	19	300	J	81	J	150
Methylene Chloride	100	J	10	BJ	4	10	300	U	280	U	290
Vinyl Chloride	200	J	29	U	6	33	300	U	280	U	290
1,1,2-Trichloroethane	NS	J	29	U	6	33	300	U	280	U	130
1,2,4-Trimethylbenzene	NS	U	29	U	6	33	300	U	280	U	290
trans-1,2-Dichloroethene	300	U	29	U	6	33	300	U	280	U	290
Benzene	60	U	29	U	6	33	300	U	280	U	290
Carbon Disulfide	2700	U	29	U	6	33	300	U	280	U	87
Isopropylbenzene	NS	U	29	U	6	33	300	U	280	U	290
n-Propylbenzene	NS	U	29	U	6	33	300	U	280	U	290
1,3,5-Trimethylbenzene	NS	U	29	U	6	33	300	U	280	U	290
sec-Butylbenzene	NS	U	29	U	6	33	300	U	280	U	290
4-Isopropyltoluene	NS	U	29	U	6	33	300	U	280	U	290
Naphthalene	NS	U	29	U	6	33	300	U	280	U	290
1,1-Dichloroethane	200	U	29	U	6	33	360	U	280	U	3700
o-Xylene	1200	U	29	U	6	33	1700	J	280	U	20000
m,p-Xylene	1200	U	29	U	6	33	300	U	280	U	110
Styrene	NS	U	29	U	6	33	300	U	280	U	290
1,1 Dichloroethene	400	U	29	U	6	33	300	U	280	U	290
Chloroform	18300	U	29	U	6	33	300	U	280	U	290
TOTAL VOCs***	<10,000	53	475	266	892	4939	180	0	1881	57677	

NOTES:
 All concentrations reported in µg/kg or ppb
 * Recommended Soil Cleanup Objective, NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046.
 RSCOs based on 1% of Total Organic Carbon (TOC).
 ** RSCO adjusted for 61% TOC. Representative peat sample (C2-PEAT) analyzed for TOC by Llyod Kahn.
 *** As per TAGM 4046, Total VOCs <10,000 ppb
 NS No standard listed for analyte in the NYSDEC RSCO.
 U Compound not detected at or above CRDL.
 J Estimated concentration above IDL but less than CRDL.

Table 1 - Soil Analytical Results - VOCs

	RSCO*	RSCO** (Peat)	EXCAV-C2- FLOOR	C2-PEAT (Peat)	EXCAV-03- WESTW	EXCAV-03- SOUTH	EXCAV-03- NORTH	EXCAV-03- EASTW	EXCAV-03- FLOOR (Peat)	EXCAV-03- NORTHW2	SP-03/C2- CLEAN	SP-03/C2- WC
Acetone	200	12200	6	U	34	U	6	U	13	31	30	220
2-Butanone	300	18300	6	U	34	U	6	U	6	9	30	54
cis-1,2-Dichloroethene	NS	NS	200	U	360	D	240	U	120	21	23	850
Trichloroethene	700	42700	38	D	7600	D	9900	D	5300	520	840	2700
Ethylbenzene	5500	335500	6	U	8	U	6	U	6	3	30	7
Xylene (Total)	1200	73200	6	U	35	U	6	U	6	21	30	2
Toluene	1500	91500	6	U	8	U	6	U	6	19	30	10
Tetrachloroethene	1400	85400	12	U	38	U	32	U	48	15	13	64
1,1,1-Trichloroethane	800	48800	6	U	34	U	6	U	6	6	30	7
Methylene Chloride	100	6100	2	JB	19	JB	2	JB	2	6	14	5
Vinyl Chloride	200	12200	6	U	34	U	6	U	7	6	30	7
1,1,2-Trichloroethane	NS	NS	6	U	22	U	5	U	6	13	30	7
1,2,4-Trimethylbenzene	NS	NS	6	U	34	U	6	U	8	6	30	7
trans-1,2-Dichloroethene	300	18300	6	U	34	U	3	U	6	6	30	29
Benzene	60	3660	6	U	34	U	6	U	6	12	30	3
Carbon Disulfide	2700	164700	6	U	34	U	6	U	1	5	30	4
Isopropylbenzene	NS	NS	6	U	34	U	6	U	6	6	30	7
n-Propylbenzene	NS	NS	6	U	34	U	6	U	6	6	30	7
1,3,5-Trimethylbenzene	NS	NS	6	U	34	U	6	U	6	5	30	7
sec-Butylbenzene	NS	NS	6	U	34	U	6	U	6	6	30	7
4-Isopropyltoluene	NS	NS	6	U	34	U	6	U	6	6	30	7
Naphthalene	NS	NS	6	U	34	U	6	U	6	6	30	7
1,1-Dichloroethane	200	12200	6	U	34	U	6	U	6	6	30	4
o-Xylene	1200	73200	6	U	10	U	6	U	6	6	30	7
m,p-Xylene	1200	73200	6	U	25	U	6	U	6	6	30	2
Styrene	NS	NS	6	U	34	U	6	U	6	6	30	7
1,1 Dichloroethene	400	24400	6	U	34	U	6	U	4	6	30	1
Chloroform	300	18300	6	U	34	U	6	U	1	6	30	7
TOTAL VOCs***	<10,000	<610,000	252	17142	8125	2919	10182	839	5510	680	890	4045

NOTES:

- All concentrations reported in µg/kg or ppb
- * Recommended Soil Cleanup Objective, NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046. RSCOs based on 1% of Total Organic Carbon (TOC).
- ** RSCO adjusted for 61% TOC. Representative peat sample (C2-PEAT) analyzed for TOC by Llyod Kahn.
- *** As per TAGM 4046. Total VOCs <10,000 ppb
- NS No standard listed for analyte in the NYSDEC RSCO.
- U Compound not detected at or above CRDL
- J Estimated concentration above IDL but less than CRDL.

Table 1 - Soil Analytical Results - VOCs

	RSCO*	RSCO** (Peat)	TP3-PEAT	TP3-GSAND	TP4-PEAT	TP4-GSAND	TP5-PEAT	TP7- GRAVEL	EXCAV-07- FLOOR	EXCAV-07- NORTHW	EXCAV-07- EASTW	EXCAV-07- SOUTHW
Acetone	200	12200	U	54	B	B	360	20	B	12	U	6
2-Butanone	300	18300	U	14	U	5	14	6	U	5	U	6
cis-1,2-Dichloroethene	NS	NS	130	24	J	J	860	6	U	73	93	5
Trichloroethene	700	42700	J	14	U	2	200	4	J	29	520	68
Ethylbenzene	5600	335500	U	14	U	6	14	6	U	5	15	2
Xylene (Total)	1200	73200	U	13	J	3	3	5	J	5	15	5
Toluene	1600	91500	U	11	J	7	10	5	J	6	10	2
Tetrachloroethene	1400	85400	U	14	U	6	24	6	U	5	15	6
1,1,1-Trichloroethane	800	48800	U	14	U	6	43	6	U	5	15	6
Methylene Chloride	100	6100	U	8	JB	23	100	15	B	2	8	3
Vinyl Chloride	200	12200	U	14	U	6	31	6	U	5	15	6
1,1,2-Trichloroethane	NS	NS	U	14	U	6	3	6	U	5	15	6
1,2,4-Trimethylbenzene	NS	NS	U	6	J	2	14	6	U	5	15	6
trans-1,2-Dichloroethene	300	18300	U	14	U	6	200	6	U	5	15	6
Benzene	60	3660	U	4	J	2	3	2	J	5	15	6
Carbon Disulfide	2700	164700	U	7	J	4	20	6	U	5	15	6
Isopropylbenzene	NS	NS	U	14	U	6	14	6	U	5	15	6
n-Propylbenzene	NS	NS	U	14	U	6	14	6	U	5	15	6
1,3,5-Trimethylbenzene	NS	NS	U	3	J	6	14	6	U	5	15	6
sec-Butylbenzene	NS	NS	U	14	U	6	14	6	U	5	15	6
4-Isopropyltoluene	NS	NS	U	14	U	6	14	6	U	5	15	6
Naphthalene	NS	NS	U	14	U	6	14	6	U	5	15	6
1,1-Dichloroethane	200	12200	U	14	U	6	14	6	U	5	15	6
o-Xylene	1200	73200	U	3	J	6	3	6	U	5	15	6
m,p-Xylene	1200	73200	U	10	J	3	14	4	J	5	15	6
Styrene	NS	NS	U	14	U	6	14	6	U	5	15	6
1,1 Dichloroethene	400	24400	U	14	U	6	14	6	U	5	15	6
Chloroform	300	18300	U	14	U	6	14	6	U	5	15	6
TOTAL VOCs***	<10,000	<610,000	65	85	599	85	1869	61	116	129	179	85

NOTES:

- All concentrations reported in µg/kg or ppb
- * Recommended Soil Cleanup Objective, NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046.
- RSCOs based on 1% of Total Organic Carbon (TOC).
- ** RSCO adjusted for 61% TOC. Representative peat sample (C2-PEAT) analyzed for TOC by Llyod Kahn.
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- NS No standard listed for analyte in the NYSDEC RSCO.
- U Compound not detected at or above CRDL
- J Estimated concentration above IDL but less than CRDL.

Table 1 - Soil Analytical Results - VOCs

	RSCO*	RSCO** (Peat)	EXCAV-07- WESTW	SP-07-WC	EXCAV- TANK- NORTHW	EXCAV- TANK- EASTW	EXCAV- TANK- SOUTHW	EXCAV- TANK- WESTW	EXCAV- TANK-FLOOR	SP-TANK- WC
Acetone	200	12200	6	300	33	5	6	8	U	16
2-Butanone	300	18300	6	300	U	5	6	5	U	16
cis-1,2-Dichloroethene	NS	NS	21	16000	6	5	6	5	U	16
Trichloroethene	700	42700	89	180000	6	1	6	3	J	16
Ethylbenzene	5500	335600	6	61	4	5	6	5	U	420
Xylene (Total)	1200	73200	6	270	130	2	3	5	J	120
Toluene	1500	91500	6	6900	6	5	6	5	J	7
Tetrachloroethene	1400	85400	6	620	6	5	6	5	U	16
1,1,1-Trichloroethane	800	49800	6	300	6	5	6	5	U	16
Methylene Chloride	100	6100	2	300	2	1	2	1	J	16
Vinyl Chloride	200	12200	2	300	6	5	6	5	U	16
1,1,2-Trichloroethane	NS	NS	6	300	6	5	21	2	J	220
1,2,4-Trimethylbenzene	NS	NS	6	72	400	3	6	5	U	16
trans-1,2-Dichloroethene	300	18300	6	300	6	5	6	2	J	16
Benzene	60	3660	6	300	13	5	6	5	U	16
Carbon Disulfide	2700	164700	6	300	6	5	6	5	U	200
Isopropylbenzene	NS	NS	6	300	24	5	6	5	U	590
n-Propylbenzene	NS	NS	6	300	72	5	2	5	U	230
1,3,5-Trimethylbenzene	NS	NS	6	300	430	5	5	5	U	230
sec-Butylbenzene	NS	NS	6	300	6	5	6	5	U	140
4-Isopropyltoluene	NS	NS	6	300	6	5	6	5	U	340
Naphthalene	NS	NS	6	300	17	5	6	5	U	340
1,1-Dichloroethane	200	12200	6	300	17	5	6	5	U	16
o-Xylene	1200	73200	6	85	6	5	6	5	U	16
m,p - Xylene	1200	73200	6	180	6	5	6	5	U	16
Styrene	NS	NS	6	300	6	5	6	5	U	16
1,1 Dichloroethene	400	24400	6	300	6	5	6	5	U	16
Chloroform	300	18300	6	300	6	5	6	5	U	16
TOTAL VOCs***	<10,000	<610,000	114	204188	1131	7	28	26	U	2487

NOTES:
 All concentrations reported in µg/kg or ppb
 * Recommended Soil Cleanup Objective, NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046. RSCOs based on 1% of Total Organic Carbon (TOC).
 ** RSCO adjusted for 61% TOC. Representative peat sample (C2-PEAT) analyzed for TOC by Llyod Kafin.
 *** As per TAGM 4046, Total VOCs <10,000 ppb
 NS No standard listed for analyte in the NYSDEC RSCO.
 U Compound not detected at or above CRDL
 J Estimated concentration above IDL but less than CRDL.

Appendix A

Daily Field Activity Reports

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DATE: 03/31/03

REPORT NO. 01

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PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Cloudy	1030 AM	35 ° F	Light snow	NM	NM
ATTACHMENTS	None						

SITE CONDITIONS: Site very wet due to spring conditions.

WORK GOALS FOR DAY: Mobilization, Installation of silt fence, Set-up soil staging area

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Will Lindheimer	Earth Tech	10:40 am	4:00 pm
Luther Keyes	Hickory Hill Construction	11:15 am	4:00 pm
Brian Commans	Hickory Hill Construction	11:15 am	4:00 pm
Kevin Glaser	NYSDEC	11:00 am	1:30 pm

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Reviewed Health and Safety Plan and conducted Safety Meeting to discuss potential job and site specific hazards that may be encountered, including contaminant concentrations and safe work practices.

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PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Mobilized Heavy equipment to the project site.

Located previous soil boring in relationship to existing site features. Confirmed soil boring location with previously placed red flags at each soil boring location.

Located and demarcated proposed excavation areas based on the soil boring being centered in the proposed excavation.

Installed approximately 200 lf of Silt Fence along the Northeastern corner of the site. (The furthest down gradient location within the fence perimeter)

Installed new locks on all gates that access the site.

Reviewed excavation areas with Kevin (NYSDEC).

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REPORT NO. 02

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PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Cloudy	6:30 AM	25 ° F	Light snow	NM	NM
ATTACHMENTS	None						

SITE CONDITIONS: Minimal Snow accumulation onsite.

WORK GOALS FOR DAY: Excavation and Staging of Material from Soil Boring – 07 Location

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Will Lindheimer	Earth Tech	6:00 am	5:00 pm
Luther Keyes	Hickory Hill Construction	6:45 am	5:00 pm
Brian Commans	Hickory Hill Construction	6:45 am	5:00 pm
Kevin Glaser	NYSDEC	8:20 am	3:30 pm
Greg Sutton	NYSDEC	10:15	12:00

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		
Frac Tank	21,000 gallon (Rain for Rent)		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns.

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REPORT NO. 02

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PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Mobilized Frac Tank to the project site.

Prepared soil staging area for material removed from Excav-07.

Excavated 175 CY of impacted material from Excav-07

Limits of excavation were defined by PID measurements taken from grab samples of sidewalls and floor of the excavation.

Excav-07 required dewatering due to ground water infiltration at approx 6' bgs

Pumped all water to temporary Frac Tank.

Collected the following post excavation samples:

Excav-07-Floor – *Sample collected at 10' bgs from the floor of the excavation*
 Excav-07-WestW – *Sample collected at 0-10' bgs from the west wall of the excavation*
 Excav-07-NorthW – *Sample collected at 0-10' bgs from the north wall of the excavation*
 Excav-07-EastW – *Sample collected at 0-10' bgs from the east wall of the excavation*
 Excav-07-SouthW – *Sample collected at 0-10' bgs from the south wall of the excavation*

Collected a composite sample from the Stockpiled Material form Excav-07 – Sample ID = SP-07-WC
 Sample utilized for waste characterization

Decontaminated Excavator Bucket prior to moving to NonHaz soil Excavations

Covered Stockpile-07 with Polyethylene sheeting.

Delivered samples to Fed Ex to be overnight transported to Mitkem Laboratories for analysis.

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REVIEWED BY Keith Decker

PRINT NAME: William Lindheimer

PRINT NAME: Keith Decker

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REPORT NO. 03

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PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Foggy	7:00 AM	40 ° F	Damp	NM	NM
ATTACHMENTS	None						
SITE CONDITIONS:	Wet.						

WORK GOALS FOR DAY: Excavation and Staging of Material from Soil Boring – C2 and ADJ MW3 Locations

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Will Lindheimer	Earth Tech	6:30 am	5:45 pm
Luther Keyes	Hickory Hill Construction	6:45 am	5:45 pm
Brian Commans	Hickory Hill Construction	6:45 am	5:45 pm
Kevin Glaser	NYSDEC	11:00 am	4:00 pm

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		
Frac Tank	21,000 gallon (Rain for Rent)		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns.

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PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Prepared soil staging area for material removed from Excav-03.

Excavated approx 74 CY of impacted material from Excav-03, excavation completed to 5' bgs

Limits of excavation were defined by PID measurements taken from grab samples of sidewalls and floor of the excavation.

Excav-03 and C2 required dewatering due to ground water infiltration at approx 6' bgs

Pumped all water to temporary Frac Tank.

Collected the following post excavation samples for Excav-03:

Excav-03-Floor – *Sample collected at 5' bgs from the floor of the excavation*

Excav-03-WestW – *Sample collected at 0-5' bgs from the west wall of the excavation*

Excav-03-NorthW – *Sample collected at 0-5' bgs from the north wall of the excavation*

Excav-03-EastW – *Sample collected at 0-5' bgs from the east wall of the excavation*

Excav-03-SouthW – *Sample collected at 0-5' bgs from the south wall of the excavation*

Collected a composite sample from the impacted Stockpiled Material from Excav-03 and Excav-C2 – Sample ID = SP-03/C2-WC. Sample utilized for waste characterization

Collected a composite sample from the Stockpiled Material assumed clean from Excav-03 and Excav-C2 – Sample ID = SP-03/C2-Clean. Clean material is 0-18" bgs from Excav-03 and 0-2' bgs from Excav-C2. Sample utilized to verify soil is below the cleanup levels and can be used as clean backfill.

Excavated C2 to approx 10' bgs. Encountered impacted Peat Layer at 6.5-9' bgs. Discussed PID measurements with Kevin.

Excavated impacted material from the C2 Excavation to 10' BGS. Approx 167 CY. Significant groundwater infiltration.

Collected the following post excavation samples for Excav-C2:

Excav-C2-Floor – *Sample collected at 10' bgs from the floor of the excavation*

C2-Peat – *Sample collected at 6.5-9' bgs from all side walls of the excavation*

Installed sump at the bottom of C2 excavation for future dewatering if required.

Covered Stockpile-03/C2 and SP-03/C2-Clean with Polyethylene sheeting.

Delivered samples to Fed Ex to be overnight transported to Mitkem Laboratories for analysis.

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REVIEWED BY Keith Decker

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PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Clear	7:00 AM	50 ° F	Sunny	NM	NM
ATTACHMENTS	None						
SITE CONDITIONS:	Wet.						

WORK GOALS FOR DAY: Excavation and Staging of Material from Soil Boring -- in the Solvent Room Locations

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Will Lindheimer	Earth Tech	6:30 am	6:45 pm
Luther Keyes	Hickory Hill Construction	6:40 am	6:45 pm
Brian Commans	Hickory Hill Construction	6:40 am	6:45 pm
Kevin Glaser	NYSDEC	8:00 am	1:20 pm

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		
Frac Tank	21,000 gallon (Rain for Rent)		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns.

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PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Prepared soil staging area for material removed from Excav-SR.

Excavated approx 485 CY of impacted material from Excav-SR, excavation completed to 10-12' bgs

Limits of excavation were defined by PID measurements taken from grab samples of sidewalls and floor of the excavation. Excavation increased due to chasing contamination on the North Wall.
 Excav-SR required dewatering due to ground water infiltration at approx 8' bgs
 Stockpiled material removed from 0-2' bgs due low PID measurements -- Stockpile-SR-Clean.
 Pumped all water to temporary Frac Tank.

Collected the following post excavation samples for Excav-SR:

- Excav-SR-Floor -- *Sample collected at 10' bgs from the floor of the excavation*
- Excav-SR-WestW -- *Sample collected at 2-10' bgs from the west wall of the excavation*
- Excav-SR-NorthW -- *Sample collected at 2-10' bgs from the north wall of the excavation*
- Excav-SR-EastW -- *Sample collected at 2-10' bgs from the east wall of the excavation*
- Excav-SR-SouthW -- *Sample collected at 2-10' bgs from the south wall of the excavation*
- Excav-SR-EastW5-6 -- *Sample collected at 5-6' bgs from the east wall of the excavation-determine the concentration of the hotspot in the east wall*

Collected a composite sample from the impacted Stockpiled Material from Excav-SR -- Sample ID = SP-SR-WC. Sample utilized for waste characterization

Collected a composite sample from the Stockpiled Material assumed clean from Excav-SR -- Sample ID = SP-SR-Clean. Sample utilized to verify soil is below the cleanup levels and can be used as clean backfill.

Encountered impacted Blue Grey Sand/Gravel Layer at 5-7' bgs along the east wall. Cannot chase the contamination on the East Wall due to the Slope stability of the excavation and Washington Street bordering the east wall of the excavation. Discussed issues with Kevin.

Covered Stockpile-SR and Stockpile-SR-Clean with Polyethylene sheeting.
 Delivered samples to Fed Ex to be overnight transported to Mitkem Laboratories for analysis.

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REVIEWED BY Keith Decker

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PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Cloudy	7:00 AM	35 ° F	None	NM	NM
ATTACHMENTS	None						

SITE CONDITIONS: Wet.

WORK GOALS FOR DAY: Backfill of Excav-07, Start Water treatment, survey excavation areas

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Will Lindheimer	Earth Tech	6:15 am	1:40 pm
Luther Keys	Hickory Hill Construction	6:30 am	1:00 pm
Brian Commans	Hickory Hill Construction	6:30 am	1:00 pm
Kevin Glaser	NYSDEC	9:00 am	12:30 pm
Tony Golino	Sentinel	9:30 am	8:00 pm
Ronnie Dyluk	Foit Albert Surveyor	8:10 am	1:00 pm
Gary Getselman	Foit Albert Surveyor	8:10 am	1:00 pm

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		
Frac Tank	21,000 gallon (Rain for Rent)		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns. Reviewed H&S procedures and site specific conditions with Surveyors.

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PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Pumped water from Excav-07 to Frac Tank to accommodate backfill operations.

Decconned excavator bucket to be used for clean backfill operations.

Surveyed all excavation areas and existing site features, including previous soil boring and monitoring wells.

Met with Jim Huckelberry from the water department to verify that the curb stop and water shut off for the existing 3/4" water service is currently off (closed position)

Met with Terry Brown from Jamestown BPU regarding the location of the sewer line and the procedures for disconnecting and capping sewer lines formerly used at the site.

Collected documentation sample of the water treatment. Sampled the effluent water at the exit of the second Carbon Drum; sample ID = EFL-GAC-040403.

Treated 3,125 gallons of water.

Backfill 3 loads of stone in the bottom of Excav-07 due to standing water from 6-10' bgs, and 9 loads of gravel from 0-6' bgs. Delivered 283 tons of stone and gravel to the site for backfill.

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PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Cloudy	7:00 AM	28 ° F	Snow	NM	NM
ATTACHMENTS	None						
SITE CONDITIONS:	Wet.						

WORK GOALS FOR DAY: Remove UST, mobilization of the Backhoe

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Will Lindheimer	Earth Tech	10:30 am	5:00 pm
Luther Keys	Hickory Hill Construction	10:30 am	5:00 pm
Brian Commans	Hickory Hill Construction	10:30 am	5:00 pm
Tony Golino	Sentinel	8:30 am	4:45 pm

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		
Frac Tank	21,000 gallon (Rain for Rent)		
BackHoe	John Deere 410D		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns. Reviewed H&S procedures and site specific conditions for the UST removal.

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PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Removed 1000 gallon UST, appears to be a former Gasoline tank. Tank upon removal was in poor condition with several holes noted in the bottom of the tank. A strong petroleum odor was present during the tank removal. All contents of the tank were removed and the tank was cleaned and crushed to prevent further use.

Approx 100 cy of impacted material was removed around the former UST. The material was stockpiled and sampled for waste characterization. Sample ID = SP-Tank-WC.

Collected the following post excavation samples:

- Excav-Tank-Floor -- *Sample collected at 10' bgs from the floor of the excavation*
- Excav-Tank-WestW -- *Sample collected at 0-10' bgs from the west wall of the excavation*
- Excav-Tank-NorthW -- *Sample collected at 0-10' bgs from the north wall of the excavation*
- Excav-Tank-EastW -- *Sample collected at 0-10' bgs from the east wall of the excavation*
- Excav-Tank-SouthW -- *Sample collected at 0-10' bgs from the south wall of the excavation*

Mobilized a John Deere Backhoe to the Site.

Treated 3,371 gallons of water.

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REPORT NO. 07

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PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Cloudy	7:00 AM	30 ° F	Snow	NM	NM
ATTACHMENTS	None						

SITE CONDITIONS: 3" fresh snow

WORK GOALS FOR DAY: Remove additional soil from the north wall of excavation-03

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Will Lindheimer	Earth Tech	6:55 am	4:15 pm
Luther Keys	Hickory Hill Construction	6:55 am	4:15 pm
Brian Commans	Hickory Hill Construction	6:55 am	4:15 pm
Kevin Glaser	NYSDEC	8:00 am	4:00 pm

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		
Frac Tank	21,000 gallon (Rain for Rent)		
BackHoe	John Deere 410D		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns. .

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PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Pumped water from previously constructed sump in C2 excavation to dewater the excavation area of 03. Removed additional soil along the North Wall of Excav-03, approx 54 cy additional materials removed.

Pumped approx 7000 gallons of water from excavation area, constructed a temporary roadway with gravel to transport excavated material from the 03 Excav to the stockpile area with the backhoe due to the wet conditions at the site.

Planned on the additional removal of the floor from Excavation 03, due to the floor being primarily Peat material, Kevin (NYSDEC) did not want to excavate any deeper.

Collected the following post excavation samples:

Excav-03-NorthW – Sample collected at 0-5' bgs from the north wall of the excavation

Completed two test pits to further delineate potential contamination of the Solvent Room Area.

Test Pit #1 was excavated along the Western edge of the Solvent Room Excavation. The test pit was completed to 11' BGS. A sample was collected from 11'+ BGS from the floor of the Test Pit – Sample ID = TP1-Floor-11.

Test Pit #2 was excavated along the Southern edge of the Solvent Room Excavation. The test pit was completed to 11' BGS. A sample was collected from 11'+ BGS from the floor of the Test Pit – Sample ID = TP2-Floor-11.

Both Test Pits were backfilled with the material that was removed from the Test Pits. Additional forms for the test pits are being created from field notes.

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PAGE NO. 1 OF 2

PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Cloudy	7:00 AM	35 ° F	Drizzle	NM	NM
ATTACHMENTS	None						
SITE CONDITIONS:	Wet						

WORK GOALS FOR DAY: Backfill SR Excavation, cap and plug sewer lines, additional excavation of the Tank West Wall

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Will Lindheimer	Earth Tech	6:45 am	5:30 pm
Luther Keyes	Hickory Hill Construction	6:45 am	5:30 pm
Brian Commans	Hickory Hill Construction	6:45 am	5:30 pm
Tony Golino	Sentinel	8:15 am	5:30 pm

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		
Frac Tank	21,000 gallon (Rain for Rent)		
BackHoe	John Deere 410D		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns.

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DATE: 04/09/03

REPORT NO. 08

PAGE NO. 2 OF 2

PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Backfilled 13 loads of large stone and 14 loads of gravel in Solvent room excavation.

Delivered and placed 628 tons total fill.

Excavated additional material from the west wall of the tank excavation area, an additional 25 cy was removed.
 Post Excavation Sample was collected from the West wall from 0-10' bgs sample ID = Excav-Tank-WestW2.

The tank excavation was backfilled with large stone due to standing water.

Met with Jim Cooper from the Jamestown BPU to inspect the Capping and plugging of the sewer lines, Inspection of the plug and cap was good.

Sewer lines were backfilled.

Treated 5,770 gallons of water.

PREPARED BY (OBSERVER) William Lindheimer

REVIEWED BY Keith Decker

PRINT NAME: William Lindheimer

PRINT NAME: Keith Decker

SIGNATURE:

SIGNATURE:

ADDITIONAL SHEETS USED

emailed draft/ final to NYSDEC -- Date:

Hardcopy to NYSDEC -- Date:

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DATE: 04/10/03

REPORT NO. 09

PAGE NO. 1 OF 2

PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Cloudy	7:00 AM	37 ° F	None	NM	NM
ATTACHMENTS	None						

SITE CONDITIONS: Wet

WORK GOALS FOR DAY: Backfill Tank Excavation, O3 and C2 Excavation, Survey, Water Treatment

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Will Lindheimer	Earth Tech	6:45 am	3:00 pm
Luther Keyes	Hickory Hill Construction	6:45 am	3:00 pm
Brian Commans	Hickory Hill Construction	6:45 am	3:00 pm
Tony Golino	Sentinel	5:30 am	5:00 pm
Ronnie Dylak	Foit Albert Surveyor	8:00 am	10:00 am
Gary Getselman	Foit Albert Surveyor	8:00 am	10:00 am

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		
Frac Tank	21,000 gallon (Rain for Rent)		
BackHoe	John Deere 410D		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns.

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DATE: 04/10/03

REPORT NO. 09

PAGE NO. 2 OF 2

PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Backfilled the Tank Excavation with gravel.

Backfilled C2 and 03 Excavation with 5 loads of large stone due to standing water and 7 loads of gravel. 2 loads of backfill material was utilized in the Tank Excavation as clean backfill.

SP-C2/03-Clean stockpile was backfilled into Excavation 03.

275 tons of backfill was delivered and placed onsite as backfill for excavations.

Treated 8,190 gallons of water.

Additional excavation was surveyed for Tank Excavation and 03 North Wall.

PREPARED BY (OBSERVER) William Lindheimer

REVIEWED BY Keith Decker

PRINT NAME: William Lindheimer

PRINT NAME: Keith Decker

SIGNATURE:

SIGNATURE:

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DATE: 04/11/03

REPORT NO. 10

PAGE NO. 1 OF 2

PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Cloudy	7:00 AM	37° F	None	NM	NM
ATTACHMENTS	None						

SITE CONDITIONS: Wet

WORK GOALS FOR DAY: Backfill, Haul Road Construction for Loadout, Water Treatment

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Luther Keyes	Hickory Hill Construction	6:45 am	12:00 pm
Brian Commans	Hickory Hill Construction	6:45 am	12:00 pm
Tony Golino	Sentinel	7:45 am	3:15 pm

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		
Frac Tank	21,000 gallon (Rain for Rent)		
BackHoe	John Deere 410D		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A HASP? YES

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns.

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DATE: 04/10/03

REPORT NO. 10

PAGE NO. 2 OF 2

PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Backfilled C2 and 03 Excavation with 5 loads of gravel.

A total of 3 loads of #2 Stone were utilized onsite for backfill operation and haul road construction to prevent tracking material onto city roads, and provide accessibility across wet areas for contaminated soil loadout.

113 tons of backfill was delivered and placed onsite as backfill for excavation.

Treated 4,410 gallons of water.

Prepared site for loadout of Non Haz soil for Monday Morning.

PREPARED BY (OBSERVER) William Lindheimer

REVIEWED BY Keith Decker

PRINT NAME: William Lindheimer

PRINT NAME: Keith Decker

SIGNATURE:

SIGNATURE:

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DATE: 04/14/03

REPORT NO. 11

PAGE NO. 1 OF 2

PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Cloudy	7:00 AM	40 ° F	None	NM	NM
ATTACHMENTS	None						

SITE CONDITIONS: Haul roads have dried out over the weekend.

WORK GOALS FOR DAY: Loadout of NonHazardous Soil with county trucks to the county landfill.

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
William Lindheimer	Earth Tech	6:30 am	4:00 pm
Luther Keyes	Hickory Hill Construction	6:45 am	4:00 pm
Brian Commans	Hickory Hill Construction	6:45 am	4:00 pm
Kevin Glaser	NYSDEC	9:00 am	3:30 pm
Tony Golino	Sentinel	8:30 am	5:00 pm

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		
Frac Tank	21,000 gallon (Rain for Rent)		
BackHoe	John Deere 410D		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns. Discussed additional safety awareness due to high truck traffic at the site for loading out impacted soil.

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REPORT NO. 11

PAGE NO. 2 OF 2

PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Loaded out non-hazardous soil from C2-03 stockpile, tank stockpile, and solvent room stockpile.
 Loaded, transported, and disposed of 679.64 tons of non hazardous soil to the Chautauqua County Landfill.
 38 loads of soil offsite.

PREPARED BY (OBSERVER) William Lindheimer

REVIEWED BY Keith Decker

PRINT NAME: William Lindheimer

PRINT NAME: Keith Decker

SIGNATURE:

SIGNATURE:

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DATE: 04/15/03

REPORT NO. 12

PAGE NO. 1 OF 2

PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Sunny	7:00 AM	50 ° F	None	NM	NM
ATTACHMENTS	None						
SITE CONDITIONS:	Dry						

WORK GOALS FOR DAY: Loadout of NonHazardous Soil with county trucks to the county landfill.

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
William Lindheimer	Earth Tech	6:45 am	4:00 pm
Luther Keyes	Hickory Hill Construction	6:45 am	4:00 pm
Brian Commans	Hickory Hill Construction	6:45 am	4:00 pm
Kevin Glaser	NYSDEC	10:00 am	2:00 pm
Tony Golino	Sentinel	8:30 am	2:00 pm

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		
Frac Tank	21,000 gallon (Rain for Rent)		
BackHoe	John Deere 410D		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns. Discussed additional safety awareness due to cleaning of the Frac Tank.

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REPORT NO. 12

PAGE NO. 2 OF 2

PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Loaded out non-hazardous soil from solvent room stockpile.

Loaded, transported, and disposed of 263.58 tons of non hazardous soil to the Chautauqua County Landfill.

18 loads of soil offsite.

Removed Silt from bottom of Frac Tank.

Blended silt from frac tank with the remaining non-hazardous soil to be loaded out to the Landfill.

Cleaned Frac tank with pressure washer.

Completed Test Pit No. 3 and 4. TP 3 and TP 4 were completed south of the 03 excavation area to define the limits of contamination and determine the lateral extents of the impacted Peat Layer.

PREPARED BY (OBSERVER) William Lindheimer

REVIEWED BY Keith Decker

PRINT NAME: William Lindheimer

PRINT NAME: Keith Decker

SIGNATURE:

SIGNATURE:

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DATE: 04/16/03

REPORT NO. 13

PAGE NO. 1 OF 2

PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Sunny	7:00 AM	50 ° F	None	NM	NM
ATTACHMENTS	None						
SITE CONDITIONS:	Dry						

WORK GOALS FOR DAY: Loadout of Hazardous Soil

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
William Lindheimer	Earth Tech	6:30 am	3:00 pm
Luther Keyes	Hickory Hill Construction	6:30 am	3:00 pm
Brian Commans	Hickory Hill Construction	6:30 am	1:15 pm

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns. Discussed additional safety awareness due to loadout of hazardous stockpile 07.

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REPORT NO. 13

PAGE NO. 2 OF 2

PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Loaded out hazardous soil from stockpile 07.
 Loaded, transported, and disposed of approx 161 tons of hazardous soil to the US Liquids of Detroit, Michigan.
 7 loads of soil offsite.
 Demobilized Frac Tank from the site.
 Demobilized Backhoe from the site.

PREPARED BY (OBSERVER) William Lindheimer	REVIEWED BY Keith Decker
PRINT NAME: William Lindheimer	PRINT NAME: Keith Decker
SIGNATURE:	SIGNATURE:
<input type="checkbox"/> ADDITIONAL SHEETS USED	
<input type="checkbox"/> emailed draft/ final to NYSDEC – Date:	<input type="checkbox"/> Hardcopy to NYSDEC – Date:

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DATE: 04/17/03

REPORT NO. 14

PAGE NO. 1 OF 2

PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	Sunny	7:00 AM	40 ° F	None	NM	NM
ATTACHMENTS	None						
SITE CONDITIONS:	Dry						

WORK GOALS FOR DAY: Loadout of Hazardous Soil

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
William Lindheimer	Earth Tech	6:30 am	11:30 am
Luther Keyes	Hickory Hill Construction	7:00 am	11:30 am
Kevin Glaser	NYSDEC	8:30 am	9:30 am

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL
Excavator	200 Hitachi		

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES: Conducted tool box talk regarding daily work operations and specific safety concerns.

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DATE: 04/17/03

REPORT NO. 14

PAGE NO. 2 OF 2

PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Loaded out remaining hazardous soil from stockpile 07.

Loaded, transported, and disposed of approx 69 tons of hazardous soil to the US Liquids of Detroit, Michigan.

3 loads of soil offsite.

Decommed excavator bucket utilized for hazardous waste loadout.

Performed general site cleanup.

Completed Test Pit No. 5 to the East of C2/03 excavation area.

Collected samples of the Peat layer within TP5 and the native material beneath the Peat Layer to determine the limits of contamination.

PREPARED BY (OBSERVER) William Lindheimer

REVIEWED BY Keith Decker

PRINT NAME: William Lindheimer

PRINT NAME: Keith Decker

SIGNATURE:

SIGNATURE:

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DATE: 04/18/03

REPORT NO. 15

PAGE NO. 1 OF 2

PROJECT NO. 32375

LOGBOOK NO. 01

DAILY FIELD ACTIVITY REPORT

PROJECT	Pelican Manufacturing	WEATHER	TIME	TEMP	PRECIP.	WIND (MPH)	WIND (DIR)
LOCATION	Jamestown, New York	NM	NM	NM	NM	NM	NM
ATTACHMENTS	None						
SITE CONDITIONS:	Dry						

WORK GOALS FOR DAY: Demobilized excavator

PERSONNEL ON SITE:

NAME	AFFILIATION	ARRIVAL TIME	DEPART TIME
Luther Keyes	Hickory Hill Construction	11:00 am	12:00 am

EQUIPMENT ON SITE:

TYPE	MODEL	TYPE	MODEL

HEALTH & SAFETY:

PPE REQUIRED: LEVEL D LEVEL C LEVEL B LEVEL A **HASP? YES**

SITE SAFETY OFFICER: Will Lindheimer

H&S NOTES:

E A R T H  T E C H

A **tyco** INTERNATIONAL LTD. COMPANY

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DATE: 04/18/03

REPORT NO. 15

PAGE NO. 2 OF 2

PROJECT NO. 32375

DAILY FIELD ACTIVITY REPORT

DESCRIPTION OF WORK PERFORMED AND OBSERVED

Demobilized excavator from the site.

Removed portable toilet from the site.

PREPARED BY (OBSERVER) William Lindheimer

REVIEWED BY Keith Decker

PRINT NAME: William Lindheimer

PRINT NAME: Keith Decker

SIGNATURE:

SIGNATURE:

ADDITIONAL SHEETS USED

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Appendix B

Signed Hazardous Waste Manifests



WASTE AND HAZARDOUS MATERIALS DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE
ATT. DIS. REJ. PR.

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Section 324.11151 or 324.12116 MCL.

Form Approved. OMB No. 2050-0039

Please print or type.

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-9802 24 HOURS PER DAY.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MI7D071474902		Manifest Document No. 71		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address DELICAN MANUFACTURING - NYSDUC 625 BROADWAY ALBANY, NY 12209						A. State Manifest Document Number MI 9293724									
4. Generator's Phone (518) 482 9510						B. State Generator's ID									
5. Transporter 1 Company Name AMM INDUSTRIES, INC.			6. US EPA ID Number ND064974749			C. State Transporter's ID									
7. Transporter 2 Company Name RIDGE TRANSPORT, INC.			8. US EPA ID Number 457347517			D. Transporter's Phone 518-252-8800									
9. Designated Facility Name and Site Address U S LIQUIDS OF DETROIT 1343 FREDERICK STREET DETROIT, MI 48211						E. State Transporter's ID MI 9293724									
10. US EPA ID Number MI7D071474902						F. Transporter's Phone 518-252-8800									
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER) HM						12. Containers No. Type		13. Total Quantity		14. Unit Wt./Vol		I. Waste No.			
a. <input checked="" type="checkbox"/> PO. HAZARDOUS WASTE SOLID, HSB, G, UN3077, PG 111 (PTE)						1		CH				T D010			
b.															
c.															
d.															
J. Additional Descriptions for Materials Listed Above 11A. THE CONTAMINATED SOIL SITE ADDRESS 2122 WASHINGTON STREET DANBURY, NY 14028										K. Handling Codes for Wastes Listed Above A. B. C. D.					
15. Special Handling Instructions and Additional Information ERG § 171 EMERGENCY NUMBER: 518-299-7214															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name										Signature				Date Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials															
Printed/Typed Name										Signature				Date Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials															
Printed/Typed Name										Signature				Date Month Day Year	
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.															
Printed/Typed Name										Signature				Date Month Day Year	



WASTE AND HAZARDOUS MATERIALS DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

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Form Approved. OMB No. 2050-0039

Please print or type

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYED071476402		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law			
3. Generator's Name and Mailing Address PELICAN MANUFACTURING - NYBROC 925 BROADWAY ALBANY, NY 12209						A. State Manifest Document Number MI 9293725					
4. Generator's Phone (518) 402-1012						B. State Generator's ID					
5. Transporter 1 Company Name ALPINE INDUSTRIES INC			6. US EPA ID Number NYED071476402			C. State Transporter's ID					
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone					
9. Designated Facility Name and Site Address D & LIQUIDS OF DETROIT 1925 ENCOURAGE STREET DETROIT, MI 48211			10. US EPA ID Number MI0680591000			E. State Transporter's ID					
						F. Transporter's Phone					
						G. State Facility's ID					
						H. Facility's Phone					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and HM ID NUMBER)						12. Containers		13. Total Quantity		14. Unit W/Vol	I. Waste No.
a. PO. HAZARDOUS WASTE SOLID, D03, 9, UN3077, PG 111 (FLU)						1		2122		T	1990
b.											
c.											
d.											
J. Additional Descriptions for Materials Listed Above 11A. PCB CONTAMINATED OIL SITE ADDRESS: 2222 WASHINGTON STREET, JAMESTOWN, NY 14701										K. Handling Codes for Wastes Listed Above	
										A.	
										B.	
										C.	
										D.	
15. Special Handling Instructions and Additional Information EPC § 171 EMERGENCY NUMBER: 518-229-7314											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										Date	
Printed/Typed Name						Signature				Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials										Date	
Printed/Typed Name						Signature				Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials										Date	
Printed/Typed Name						Signature				Month Day Year	
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.										Date	
Printed/Typed Name						Signature				Month Day Year	



WASTE AND HAZARDOUS MATERIALS DIVISION
MICHIGAN DEPARTMENT OF
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE

ATT. DIS. REJ. PR.

Required under authority of Part 111 and Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Section 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 517-373-7660 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-9802 24 HOURS PER DAY.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD971476902	Manifest Document No. 02	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address PELICAN MANUFACTURING - NYNUCC 605 BROADWAY ALBANY, NY 12202				A. State Manifest Document Number MI 9293726		
4. Generator's Phone (518) 402-8912				B. State Generator's ID		
5. Transporter 1 Company Name WATSON INDUSTRIES, INC.		6. US EPA ID Number NYD987347515		C. State Transporter's ID		
7. Transporter 2 Company Name K BULK TRANSPORT INC		8. US EPA ID Number IAD987347515		D. Transporter's Phone 518-824-7149		
9. Designated Facility Name and Site Address M 3 LIQUIDS OF DETROIT 1903 FREDERICK STREET DETROIT, MI 48211				10. US EPA ID Number MID980991506		E. State Transporter's ID
				F. Transporter's Phone		G. State Facility's ID
				H. Facility's Phone		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM		12. Containers No. Type		13. Total Quantity	14. Unit Wt./Vol	I. Waste No.
a.	PO. HAZARDOUS WASTE SOLID, HCB, 9, UN2077, PG III (TOE)	1	DR	257.22	7	0045
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above 11A. PCB CONTAMINATED SOIL SITE ADDRESS: 2222 WASHINGTON STREET DANFORTH, NY 14101					K. Handling Codes for Wastes Listed Above: A. B. C. D.	
15. Special Handling Instructions and Additional Information PGS 1 171 EMERGENCY NUMBER: 815-229-7214						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name William Lindheimer		Signature <i>William Lindheimer</i>		Date 02/16/03		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Date						
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Date						
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Date						



WASTE AND HAZARDOUS MATERIALS DIVISION
MICHIGAN DEPARTMENT OF
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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MI10071978902	Manifest Document No. 24	2. Page 1 of 3	Information in the shaded areas is not required by Federal law	
3. Generator's Name and Mailing Address 628 BROADWAY ALBANY, NY 12209 (518) 402-9419				A. State Manifest Document Number MI 9293727		
4. Generator's Phone ()		6. US EPA ID Number		C. State Transporter's ID		
5. Transporter 1 Company Name		7. Transporter 2 Company Name		D. Transporter's Phone		
8. US EPA ID Number		9. Designated Facility Name and Site Address 1028 FREDERICK STREET DETROIT, MI 48211		E. State Transporter's ID		
10. US EPA ID Number		11. US DOT Description (including Proper Shipping Name, Hazard Class, and HM)		F. Transporter's Phone		
12. Containers		13. Total Quantity		G. State Facility's ID		
No.		Type		H. Facility's Phone ()		
14. Unit		15. Waste No.				
a.		b.		I. Waste No.		
c.		d.				
J. Additional Descriptions for Materials Listed Above SITE ADDRESS: 2725 WASHINGTON STREET, DUNDY, MI 48121				K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information EMERGENCY NUMBER: 518-229-7214				A.		
				B.		
				C.		
				D.		
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Printed/Typed Name		Signature		Month Day Year		
17. Transporter 1 Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name		Signature		Month Day Year		
18. Transporter 2 Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Date		
Printed/Typed Name		Signature		Month Day Year		



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MI0071476502		Manifest Document No.		2. Page 1 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address PELICAN MANUFACTURING - NYSDOC 625 BROADWAY ALBANY, NY 12208						A. State Manifest Document Number MI 9293736				
4. Generator's Phone (518) 402-9410						B. State Generator's ID				
5. Transporter 1 Company Name ARTON INDUSTRIES, INC				6. US EPA ID Number OHDS86974706		C. State Transporter's ID				
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone (330) 292-8002				
9. Designated Facility Name and Site Address U 2 LIQUIDS OF DETROIT 1903 FREDERICK STREET DETROIT, MI 48213						10. US EPA ID Number MI0070901500		E. State Transporter's ID		
								F. Transporter's Phone		
								G. State Facility's ID		
								H. Facility's Phone (313) 292-0940		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and HM)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. X LIQ. HAZARDOUS WASTE SOLID. DISG. 9. UN2077, PG 312 P001						1 I CH			T	0040
b.										
c.										
d.										
J. Additional Descriptions for Materials Listed Above 13A. PCB CONTAMINATED SOIL SITE ADDRESS 1222 WASHINGTON STREET GAITHERSBURG, NY 14701								K. Handling Codes for Wastes Listed Above		
								A.		
								B.		
								C.		
								D.		
15. Special Handling Instructions and Additional Information EPA § 171 EMERGENCY NUMBER: 515-229-7214										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name						Signature		Date		Month Day Year
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature		Date		Month Day Year
Printed/Typed Name						Signature		Date		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature		Date		Month Day Year
Printed/Typed Name						Signature		Date		Month Day Year
19. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.										
Printed/Typed Name						Signature		Date		Month Day Year



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MI0001170002	Manifest Document No. 1-2	2. Page 1 of	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address PELICAN MANUFACTURING - HYDRA 524 BROADWAY ALBANY, NY 12205				A. State Manifest Document Number MI 9293737		
4. Generator's Phone () 518 482 3415				B. State Generator's ID		
5. Transporter 1 Company Name SUNBELT INDUSTRIES, INC.		6. US EPA ID Number MI0000011000		C. State Transporter's ID MI0000011000		
7. Transporter 2 Company Name SUNBELT TRANSPORT CO. INC.		8. US EPA ID Number MI0000011000		D. Transporter's Phone		
9. Designated Facility Name and Site Address U S LIQUIDS OF DETROIT 1945 PREFERRED STREET DETROIT, MI 48211		10. US EPA ID Number MI0000011000		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and HM ID NUMBER)		12. Containers	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	
a. <input checked="" type="checkbox"/> NO. HAZARDOUS WASTE SOLID, INCL. B. DISGUISE, PG 111 (PCB)		No. Type			1 011	
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above 11A. PCB CONTAMINATED SOIL SITE ADDRESS: 7122 WASHINGTON STREET JAMESTOWN, NY 14701				K. Handling Codes for Wastes Listed Above A. B. C. D.		
15. Special Handling Instructions and Additional Information EPA # 121 EMERGENCY NUMBER: 313-229-7014						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name David L. Garneau		Signature [Signature]		Date 7/12/03		
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature		Date		
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name DAVID L. GARNEAU		Signature [Signature]		Date 7/12/03		
19. Discrepancy Indication Space						
20. Facility Owner or Operator. Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Date		



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address PELICAN MANUFACTURING - NYSEDOL 625 BROADWAY ALBANY, NY 12207				A. State Manifest Document Number MI 9293738		
4. Generator's Phone ()				B. State Generator's ID		
5. Transporter 1 Company Name		6. US EPA ID Number	C. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number	D. Transporter's Phone			
9. Designated Facility Name and Site Address U S LIQUIDS OF DETROIT 1902 FREDERICK STREET DETROIT, MI 48211		10. US EPA ID Number	E. State Transporter's ID			
			F. Transporter's Phone			
			G. State Facility's ID			
			H. Facility's Phone			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER)		12. Containers	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.	
a.	HC. HAZARDOUS WASTE SOLID, WAB, 9. UN2677, PG 111 (PCE)	No. Type				
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above 11A: PCE CONTAMINATED SOIL SITE ADDRESS: 1207 WASHINGTON STREET JAMESTOWN, NY 14701					K. Handling Codes for Wastes Listed Above	
					A.	
					B.	
					C.	
					D.	
15. Special Handling Instructions and Additional Information ERG # 171 EMERGENCY NUMBER: 813-229-7214						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name				Signature		Date Month Day Year
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year
Printed/Typed Name				Signature		Date Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year
Printed/Typed Name				Signature		Date Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name				Signature		Date Month Day Year



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law
3. Generator's Name and Mailing Address PELICAN MANUFACTURING - NYSED 605 BROADWAY ALBANY, NY 12204				A. State Manifest Document Number MI 9293739	
4. Generator's Phone ()		5. Transporter 1 Company Name		B. State Generator's ID	
6. US EPA ID Number		7. Transporter 2 Company Name		C. State Transporter's ID	
8. US EPA ID Number		9. Designated Facility Name and Site Address U O LIQUIDS OF DETROIT 1925 FREDERICA STREET DETROIT, MI 48211		D. Transporter's Phone	
10. US EPA ID Number		11. US DOT Description (including Proper Shipping Name, Hazard Class, and HM ID NUMBER)		E. State Transporter's ID	
12. Containers		13. Total Quantity		F. Transporter's Phone	
14. Unit Wt./Vol		15. Special Handling Instructions and Additional Information		G. State Facility's ID	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		17. Transporter 1 Acknowledgement of Receipt of Materials		H. Facility's Phone	
Printed/Typed Name		Signature		I. Waste No.	
18. Transporter 2 Acknowledgement of Receipt of Materials		19. Discrepancy Indication Space		K. Handling Codes for Wastes Listed Above	
Printed/Typed Name		Signature		A.	
19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		B.	
Printed/Typed Name		Signature		C.	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature		D.	
Printed/Typed Name		Signature		Date	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature		Date	
Printed/Typed Name		Signature		Date	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature		Date	
Printed/Typed Name		Signature		Date	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature		Date	



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address PELICAN MANUFACTURING - NYSDOC 435 BROADWAY ALBANY, NY 12202				A. State Manifest Document Number MI 9293740		
4. Generator's Phone ()				B. State Generator's ID		
5. Transporter 1 Company Name		6. US EPA ID Number	C. State Transporter's ID			
7. Transporter 2 Company Name		8. US EPA ID Number	D. Transporter's Phone			
9. Designated Facility Name and Site Address 103 LINDEN ST DETROIT 1205 FREDRICK STREET DETROIT, MI 48211		10. US EPA ID Number	E. State Transporter's ID			
			F. Transporter's Phone			
			G. State Facility's ID			
			H. Facility's Phone			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and HM ID NUMBER)		12. Containers No.	Type	13. Total Quantity	14. Unit W/Vol	I. Waste No.
a.	1. PG. HAZARDOUS WASTE SOLID, HUE. 9, UN9000, PG 111 (PC)	1	571			2010
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above 112 PCB CONTAMINATED SOIL SITE ADDRESS: 2222 WASHINGTON STREET JAMESTOWN, NY 14701					K. Handling Codes for Wastes Listed Above A. B. C. D.	
15. Special Handling Instructions and Additional Information ERG 171 EMERGENCY NUMBER: 616-229-7216						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name				Signature		Date Month Day Year
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year
Printed/Typed Name				Signature		Date Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date Month Day Year
Printed/Typed Name				Signature		Date Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name				Signature		Date Month Day Year



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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MI0001476902	Manifest Document No. 10	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address PELICAN MANUFACTURING - NYSONC 625 BROADWAY ALBANY, NY 12200				A. State Manifest Document Number MI 9293741		
4. Generator's Phone (518) 412-8419				B. State Generator's ID		
5. Transporter 1 Company Name ARTHUR INDUSTRIES, INC.		6. US EPA ID Number MI000000000		C. State Transporter's ID MI000000000		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address U S LIQUIDS OF DETROIT 1922 FREDERICK STREET DETROIT, MI 48211		10. US EPA ID Number MI000000000		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone		
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER). HM		12. Containers No.	Type	13. Total Quantity	14. Unit Mt/Vol	15. Waste No.
a.	HAZARDOUS WASTE SOLID, NOS. 3. (H007), IN TIE (TIE)	1	DR	57.22	T	1010
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above 113 TON CONTAMINATED SOIL SITE ADDRESS: 2222 WASHINGTON STREET JEROME, MI 48701						K. Handling Codes for Wastes Listed Above A. B. C. D.
15. Special Handling Instructions and Additional Information ERG # 171 EMERGENCY NUMBER: 313-229-7214						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name William L. WOHLEMER		Signature <i>William Wohlemer</i>		Date 04/15/03		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Andy AK...		Signature <i>Andy AK...</i>		Date 04/15/03
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Date
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Date
Printed/Typed Name		Signature		Date Month Day Year		

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GENERATOR

TRANSPORTER

FACILITY

Appendix C

Signed Non-Hazardous Waste Manifests

CHAUTAUQUA COUNTY LANDFILL
3889 Towerville Road
Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
270 MICHIGAN AVENUE
BUFFALO NY 14203-2999

SITE	TICKET	GRID	WEIGHMASTER		
02	669884	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/15/03	04/15/03	07:46	07:46	JW40	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 66200 LB
Stored Tare Wt. 28540 LB
Net Weight 37660 LB

Inbound - Charge ticket

QTY	UNIT	DESCRIPTION	DATE	EXTENSION	FEES	NOTES
18.83	TON	SOIL CONT. COVER <#2				

LOAD 01

Operating hours 7:30 AM to 4 PM Monday thru Friday.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type. Telephone (716) 985-4785

Hauler JAMESTOWN WWTP

SIGNATURE



Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 01
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone		
5. Transporter 1 Company Name Jamestown BPU	8. US EPA ID Number	B. Transporter's Phone		
7. Transporter 2 Company Name	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701				
11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL	001	DT	18.83	T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04/15/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name William Anderson		Signature William Anderson		Month Day Year 04/15/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.				
Printed/Typed Name Chautauqua County		Signature Judy K... ..		Month Day Year 04/15/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID		WEIGHTMASTER	
02	060890	6		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/15/03	04/15/03	07:57	07:57	JW63	
CHAUTAUQUA COUNTY					

Inbound - Charge ticket

Scale 1 Gross Wt. 64060 LB
 Stored Tare Wt. 29260 LB
 Net Weight 34800 LB

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	REF	TAX
17.40	TON	SOIL CONT. COVER <#2				
		LOAD 02				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler JAMESTOWN WWTP

SIGNATURE _____

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 02
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano				
5. Transporter 1 Company Name Jamestown BPU	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	17.40
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 10/4/503
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Douglas S. Lindquist		Month Day Year 10/4/503
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature Jerry Weiss		Month Day Year 10/4/503

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3289 Towerville Road
 Jamestown, New York 14701

C00189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID		WEIGHMASTER	
02	069892	6		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	POUL OFF
04/15/03	04/15/03	08:01	08:01	CC56	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.	46400	LB	Inbound - Charge ticket
Stored Tare Wt.	21140	LB	
Net Weight	25260	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEES	TOTAL
12.63	TON	SOIL CONT. COVER <#2				
<i>LOAD 03</i>						

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 Hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
N.Y.D 071476402

Manifest Doc. No.

2. Page 1 of

LOAD 03

3. Generator's Name and Mailing Address

New York State DEC
625 Broadway
Albany, NY 12204
David Chuisano

4. Generator's Phone (518) 402-9813

Pelican Manufacturing Site
2223 Washington Street
Jamestown, NY 14701

5. Transporter 1 Company Name

Chautauque County DPW

6. US EPA ID Number
3.64 Part C Permit.

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Chautauque County Landfill
3889 Towersville Road
Jamestown, NY 14701

10. US EPA ID Number

NYSDEC PERMIT

C. Facility's Phone

(716) 985-4785

11. Waste Shipping Name and Description

a. NON-HAZARDOUS CONTAMINATED SOIL

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

001

DT

12.63

T

D. Additional Descriptions for Materials Listed Above

Pelican Manufacturing Site CC0410.01S1

E. Handling Codes for Wastes Listed Above

L

15. Special Handling Instructions and Additional Information

In Case of Emergency or for information on this shipment,

Call: Will Lindheimer (Earth Tech) 518-669-9537

David Chuisano (NYSDEC) 518-402-9813

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Will Lindheimer

Signature

Will Lindheimer

Month Day Year

04 15 03

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

04 15 03

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Gene Milk

Signature

Gene Milk

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Chautauque County

Signature

Joseph

Month Day Year

04 15 03

CHAUTAUQUA COUNTY LANDFILL
 3389 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID	WEIGHMASTER		
02	069896	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/15/03	04/15/03	08:19	08:19	CC30	
CHAUTAUQUA COUNTY					

Manual Gross Wt.		42080	LB	Inbound - Charge ticket	
Stored Tare Wt.		21780	LB		
Net Weight		20300	LB		
QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX
10.15	TON	SOIL CONT. COVER <#2			
LOAD 04					

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 04
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone		
5. Transporter 1 Company Name Chautauqua Coy DPW	8. US EPA ID Number	B. Transporter's Phone		
7. Transporter 2 Company Name	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701				
11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL	001	DT	10.15	T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/15/03
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name Robert W Hamilton		Signature <i>Robert W Hamilton</i>		Month Day Year 04/15/03
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Judy H. Davis</i>		Month Day Year 04/15/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

02	039895	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/15/03	04/15/03	08:11	08:11	CC58	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 57820 LB
 Stored Tare Wt. 21460 LB
 Net Weight 36360 LB

ir.bound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FREE
18.18	TON	SOIL CONT. COVER <#2			

LOADS

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE

CCHP 58

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N.Y.D 071476402

Manifest Doc. No. 2. Page 1
of

LOAD 05

3. Generator's Name and Mailing Address
**New York State DEC
625 Broadway
Albany, NY 12204
David Chuisano**

**Pelican Manufacturing Site
2223 Washington Street
Jamestown, NY 14701**

4. Generator's Phone (518) 402-9813

5. Transporter 1 Company Name
Chautauqua Coy DPW

6. US EPA ID Number
364 Part C Permit.

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
**Chautauqua County Landfill
3889 Towersville Road
Jamestown, NY 14701**

10. US EPA ID Number
NYSDEC PERMIT

C. Facility's Phone
(716) 985-4785

11. Waste Shipping Name and Description

a.	NON-HAZARDOUS CONTAMINATED SOIL	12. Containers		13. Total Quantity	14. Unit W/Vol
		No.	Type		
		001	DT	18.18	T
b.					
c.					
d.					

D. Additional Descriptions for Materials Listed Above
Pelican Manufacturing Site CC0410.01S1

E. Handling Codes for Wastes Listed Above
L

15. Special Handling Instructions and Additional Information

**In Case of Emergency or for information on this shipment,
Call: Will Lindheimer (Earth Tech) 518-669-9537
David Chuisano (NYSDEC) 518-402-9813**

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name
Will Lindheimer

Signature
Will Lindheimer
Month Day Year
04 15 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
HARRY STAFFIER

Signature
Harry Staffier
Month Day Year
04 15 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name

Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Chautauqua County

Signature
Terrence Weiss
Month Day Year
04 15 03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE		TICKET		GRID		WEIGHMASTER	
02		069897		6		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	TOLL OFF		
04/15/03	04/15/03	08:22	08:22	CC96			
CHAUTAUQUA COUNTY							

Scale 1 Gross Wt.	70440	LB	Inbound - Charge ticket
Stored Tare Wt.	29340	LB	
Net Weight	41100	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
20.55	TON	SOIL CONT. COVER <#2				
<i>LOAD OF</i>						

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 Hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 06
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone 518 402-9813	David Chuisano		A. Transporter's Phone	
5. Transporter 1 Company Name Chautauqua Cty DPW	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785	
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		0 0 1	DT	20.55 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/15/03
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name Kevin D. Colburn		Signature <i>Kevin D. Colburn</i>		Month Day Year 04/15/03
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>John H. ...</i>		Month Day Year 04/15/03

GENERATOR

CHAUTAUQUA COUNTY LANDFILL
 3.00 Towerville Road
 Jamestown, New York 14701

6.0129 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE		TICKET		GRID		WEIGHMASTER	
02		069901		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/15/03		04/15/03		08:33		08:33	
						VEHICLE	
						ROLL OFF	
						CC19	
CHAUTAUQUA COUNTY							

Scale 1 Gross Wt.	77020	LB	Inbound - Charge ticket
Stored Tare Wt.	28700	LB	
Net Weight	48320	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TAX
5.18	TON	SOIL CONT. COVER <#2				
<i>LOAD OK</i>						

Operating hours 7:30 AM to 4 PM Monday thru Friday.

This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 kind.
 Telephone (716) 985-4785
 Generator

Trailer CHAUTAUQUA COUNTY DPF

SIGNATURE *Tom Thayer*

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of 1045 07
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name Chautauqua County DPW		6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	C. Facility's Phone	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785	
11. Waste Shipping Name and Description			12. Containers No.	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL			001	DT 24.16
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1			E. Handling Codes for Wastes Listed Above L	
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 10/4/503
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Tom Thompson</i>		Month Day Year 10/4/503
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Jessy Naro</i>		Month Day Year 10/4/503

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL

1000 Towerville Road
Lewiston, New York 14701

900189 NYS DEPT. OF ENVIR. CONSERVATI
270 MICHIGAN AVENUE
BUFFALO NY 14203-2999

SITE		TICKET		GRID		WEIGHMASTER	
02		069902		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/15/03		04/15/03		08:36		08:36	
						VEHICLE	
						CC54	
						ROLL OFF	
CHAUTAUQUA COUNTY							

Scale 1 Gross Wt.	45420	LB	Inbound - Charge ticket
Stored Tare Wt.	22020	LB	
Net Weight	23400	LB	

QTY.	UNIT	DESCRIPTION	DATE	EXTENSION	FEES
11.70	TON	SOIL CONT. COVER <#2			

load ok

Operating hours 7:30 AM to 4 PM Monday thru Friday.
We certify that this load does not contain any
hazardous materials, medical waste or liquids of any
kind. Telephone (716) 985-4785

For CHAUTAUQUA COUNTY DPF

SIGNATURE _____



Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 03
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano		A. Transporter's Phone	
5. Transporter 1 Company Name Chautauqua City DPW	6. US EPA ID Number 3-64 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		No. Type		
		0 0 1 DT	11.70	T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04 15 03
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Tanya Edwards		Signature <i>Tanya Edwards</i>
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Tanya Edwards</i>		Month Day Year 04 15 03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3929 Towerville Road
 Jamestown, New York 14701

NYSDOT NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID	WEIGHMASTER		
02	059904	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	POLL OFF
04/15/03	04/15/03	08:39	08:39	JW40	
CHAUTAUQUA COUNTY					

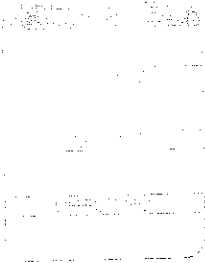
Scale 1 Gross Wt.	66560	LB	Inbound - Charge ticket
Stored Tare Wt.	28540	LB	
Net Weight	38020	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEES
1	TON	SOIL CONT. COVER <#2			
<i>LOAD 09</i>					

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 I hereby certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 kind.
 Telephone (716) 985-4785

Number JAMESTOWN WWTP

SIGNATURE *Larry Weise*



Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D 071476402	Manifest Doc. No.	2. Page 1 of LOAD 09
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano	5. Transporter 1 Company Name Jamestown BPU	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone	
	7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	19.01
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 12 4 503
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name William Anderson		Signature Will Anderson		Month Day Year 12 4 503
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature Judy K...		Month Day Year 10 4 503

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE		TICKET		GRID		WEIGHMASTER	
02		069911		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/15/03		04/15/03		08:52		08:52	
						VEHICLE	
						CC56	
						ROLL OFF	
						CHAUTAUQUA COUNTY	

Scale 1 Gross Wt.			48300	LB	Inbound - Charge ticket			
Stored Tare Wt.			21140	LB				
Net Weight			27160	LB				
QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TAX	TOTAL	
13.58	TON	SOIL CONT. COVER <#2						

LOAD 10

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

[Handwritten Signature]
 SIGNATURE

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 10
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano		A. Transporter's Phone	
5. Transporter 1 Company Name Chautauqua Cty DPW	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	13.58
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/15/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Gene Milk</i>		Month Day Year 04/15/03
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Jerry Wain</i>		Month Day Year 04/15/03

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID	WEIGHMASTER		
02	069910	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	PULL OFF
04/15/03	04/15/03	08:50	08:50	JW63	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.		67020	LB	Inbound - Charge ticket		
Stored Tare Wt.		29260	LB			
Net Weight		37760	LB			
QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
18.88	TON	SOIL CONT. COVER <#2				
<i>LOAD 11</i>						

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler JAMESTOWN WWTP

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD 071476402	Manifest Doc. No.	2. Page 1 of LOAD 11
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone 518 #02-9813 David Chuisano	6. US EPA ID Number 364 Part C Permit		A. Transporter's Phone	
5. Transporter 1 Company Name Jamestown BPU	7. Transporter 2 Company Name		B. Transporter's Phone	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT		C. Facility's Phone (716) 985-4785	
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	18.88
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1			E. Handling Codes for Wastes Listed Above L	
15. Special Handling instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 10 4 5 03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Douglas S. Lindquist		Signature Douglas S. Lindquist		Month Day Year 10 4 5 03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature J. J. Keller		Month Day Year 10 4 5 03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID	WEIGHMASTER		
02	069913	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/15/03	04/15/03	08:56	08:56	CC58	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.	50560	LB	Inbound - Charge ticket
Stored Tare Wt.	21460	LB	
Net Weight	29100	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
14.55	TON	SOIL CONT. COVER <#2				
		<i>LOAD 12</i>				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *CCAD 58*

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D 07147.6402	Manifest Doc. No.	2. Page 1 of 104012
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano		A. Transporter's Phone	
5. Transporter 1 Company Name Chautauqua Cty DPW	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	14.55 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04/15/03
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name HARRY STANFEEH		Signature Harry Stanfeeh		Month Day Year 04/15/03
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature Jenny Weiss		Month Day Year 04/15/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	CPID	WEIGHMASTER		
02	069915	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROW OFF
04/15/03	04/15/03	09:00	09:00	CC30	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.	40380	LB	Inbound - Charge ticket
Stored Tare Wt.	21780	LB	
Net Weight	18600	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	SEE
9.30	TON	SOIL CONT. COVER <#2			

LOAD 13

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD 071476402	Manifest Doc. No.	2. Page 1 of LOAD 13
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name Chautauque Co DPW		6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	C. Facility's Phone	
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785	
11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		No. Type		
		001 DT	9.30	T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 10/25/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year 10/25/03
Printed/Typed Name		Signature		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature Robert Hamilton		Month Day Year
Printed/Typed Name Robert Hamilton		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauque County		Signature Johnny DeLore		Month Day Year 10/25/03

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID	WEIGHMASTER		
02	069919	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	OFFICER
04/15/03	04/15/03	09:09	09:09	CC96	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.	49280	LB	Inbound - Charge ticket
Stored Tare Wt.	29340	LB	
Net Weight	19940	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEES
9.97	TON	SOIL CONT. COVER <#2			
<i>LOAD 14</i>					

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D.071476402	Manifest Doc. No.	2. Page 1 of LOAD 14	
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701			
4. Generator's Phone (518) 402-9813	David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name Chautauqua Cty DPW	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone			
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone			
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785			
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	9.97	T
b.					
c.					
d.					
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1			E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813					
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04/15/03	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name KEVIN D. COLBURN		Signature Kevin D. Colburn		Month Day Year 04/15/03	
18. Transporter 2 Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.					
Printed/Typed Name Chautauqua County		Signature Jerry Weiss		Month Day Year 04/15/03	

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE		TICKET		GRID		WEIGHT/LOCATION	
02		069973		7		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/15/03		04/15/03		12:54		12:54	
VEHICLE		ROLL OFF					
CC54							
CHAUTAUQUA COUNTY							

Inbound - Charge ticket

Scale 1 Gross Wt. 45000 LB
 Stored Tare Wt. 22020 LB
 Net Weight 22980 LB

QTY.	UNIT	DESCRIPTION	DATE	EXTENSION	FEE
11.49	TON	SOIL CONT. COVER <#2			
		<i>LOAD 16</i>			

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 16
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano				
5. Transporter 1 Company Name <i>Chautauque County DPW</i>	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	11.49
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04 15 03
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Tanya Edwards</i>		Month Day Year 04 15 03
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauque County		Signature <i>Jerry White</i>		Month Day Year 04 15 03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID	WEIGHT/SPER		
02	069969	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	TOLL OFF
04/15/03	04/15/03	12:41	12:41	CC56	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.		40900	LB	Inbound - Charge ticket	
Stored Tare Wt.		21140	LB		
Net Weight		19760	LB		
QTY.	UNIT	DESCRIPTION	RATE	EX. DESIGN	FEES
9.88	TON	SOIL CONT. COVER <#2			
<i>LOAD 15</i>					

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *[Handwritten Signature]*



Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D.071476402	Manifest Doc. No.	2. Page 1 of LOAD : 5
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano		A. Transporter's Phone	
5. Transporter 1 Company Name <i>Chautauque Cty DTW</i>	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers	13. Total	14. Unit
a. NON-HAZARDOUS CONTAMINATED SOIL		No. Type	Quantity	Wt/Vol
		001 DT	9.88	T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>Will Lindheimer</i>		Signature <i>Will Lindheimer</i>		Month Day Year 04/15/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>Gene Milk</i>		Signature <i>Gene Milk</i>		Month Day Year 04/15/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name <i>Chautauque County</i>		Signature <i>David Chuisano</i>		Month Day Year 04/15/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID	WEIGHMASTER		
02	069986	7	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	NO. OFF
04/15/03	04/15/03	13:46	13:46	CC54	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 41780 LB
 Stored Tare Wt. 22020 LB
 Net Weight 19760 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	DATE	EXTENSION	REC
9.88	TON	SOIL CONT. COVER <#2			

LOAD 17

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

NY D 0 7 1 4 7 6 4 0 2

Manifest Doc. No.

2. Page 1 of

1 of 17

3. Generator's Name and Mailing Address

New York State DEC
625 Broadway
Albany, NY 12204

4. Generator's Phone (518) 402-9813

David Chuisano

5. Transporter 1 Company Name

6. US EPA ID Number

364 Part C Permit

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Chenango County Landfill
3889 Towersville Road
Jamestown, NY 14701

10. US EPA ID Number

NYSDEC PERMIT

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total Quantity

14. Unit Wt/Vol

a. NON-HAZARDOUS CONTAMINATED SOIL

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

Pelican Manufacturing Site CC0410.9131

E. Handling Codes for Wastes Listed Above

F L

15. Special Handling Instructions and Additional Information

In Case of Emergency or for information on this shipment,

Call Will Lindheimer (Earth Tech) 518-669-9537

David Chuisano (NYSDEC) 518-402-9813

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

Will Lindheimer

Signature

[Signature]

Month Day Year

12 11 98

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

[Name]

Signature

[Signature]

Month Day Year

12 11 98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

[Name]

Signature

[Signature]

Month Day Year

12 11 98

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

[Name]

Signature

[Signature]

Month Day Year

12 11 98

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

12-BLS-C5 Rev. 12/98

GENERATOR'S COPY

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WI 54957-0368

12-BLS-C5 Rev. 12/98

ORIGINAL - RETURN TO GENERATOR

GENERATOR
TRANSPORTER
FACILITY

CHENANGO COUNTY [Signature] 12-11-98

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SP#	TICKET	GRID	WEIGHMASTER		
02	069989	7	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	W/LOFF
04/15/03	04/15/03	13:59	13:59	CC56	
CHAUTAUQUA COUNTY					

Inbound - Charge ticket

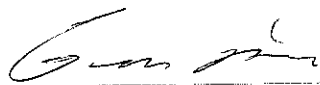
Scale 1 Gross Wt. 48020 LB
 Stored Tare Wt. 21140 LB
 Net Weight 26880 LB

QTY	UNIT	DESCRIPTION	DATE	EXTENSION	FEES	REMARKS
13.44	TON	SOIL CONT. COVER <#2				

Load 18

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE 

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.
N.Y.D 971476402

Manifest Doc. No.
2. Page 1 of 18

3. Generator's Name and Mailing Address
New York State DEC
625 Broadway
Albany, NY 12204

Pelican Manufacturing Site
2223 Washington Street
Jamestown, NY 14701

4. Generator's Phone (518) 402-9813
David Chiusano

5. Transporter 1 Company Name
6. US EPA ID Number
364 Part C Permit

A. Transporter's Phone

7. Transporter 2 Company Name
8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
Chautauque County Landfill
3289 Towersville Road
Jamestown, NY 14701
10. US EPA ID Number
NYSDEC PERMIT

C. Facility's Phone
7161985-4785

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NON-HAZARDOUS CONTAMINATED SOIL	001	DT		
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
Pelican Manufacturing Site CC0410.0131

E. Handling Codes for Wastes Listed Above
L

15. Special Handling Instructions and Additional Information

In Case of Emergency or for information on this shipment
Call Will Lindheimer (Earth Tech) 518-669-9537
David Chiusano (NYSDEC) 518-402-9813

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Will Lindheimer
Signature: [Signature]
Month Day Year: 04/15/03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Name]
Signature: [Signature]
Month Day Year: 04/15/03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Name]
Signature: [Signature]
Month Day Year: [Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: [Blank]
Signature: [Blank]
Month Day Year: [Blank]

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID	WEIGHMASTER		
02	069735	7	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	CALL OFF
04/14/03	04/14/03	08:33	08:33	CC96	
CHAUTAUQUA COUNTY					

Manual Gross Wt. 66020 LB Inbound - Charge ticket
 Stored Tare Wt. 29340 LB
 Net Weight 36680 LB

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEES
18.34	TON	SOIL CONT. COVER <#2			
LOAD 4					

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *Rm Boyland*

96

Load #1

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 01
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano		A. Transporter's Phone	
5. Transporter 1 Company Name Chautauqua County DPW	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	18.34
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name William Lindheimer		Signature Will Lindheimer		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Ronald J Boyland		Signature Ronald J Boyland		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature Toby Wairo		Month Day Year 04/14/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE		TICKET		GRID		WEIGHMASTER	
02		069731		7		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/14/03		04/14/03		08:22		08:22	
						VEHICLE	
						CC58	
						ROLL OFF	
						CHAUTAUQUA COUNTY	

Scale 1 Gross Wt.	56440	LB
Stored Tare Wt.	21460	LB
Net Weight	34980	LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEES	TOTAL
17.49	TON	SOIL CONT. COVER <#2				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Load 02

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D 0 7 1 4 7 6 4 0 2 .	Manifest Doc. No.	2. Page 1 of LOAD 02	
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701			
4. Generator's Phone (518) 402-9813 David Chuisano	6. US EPA ID Number 364 Part C Permit		A. Transporter's Phone		
5. Transporter 1 Company Name Chautauqua County DPW	7. Transporter 2 Company Name		B. Transporter's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT		C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	1749	T
b.					
c.					
d.					
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1			E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813					
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04/14/03	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Harry Stueffer		Month Day Year 04/14/03	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name Chautauqua County		Signature [Signature]		Month Day Year 04/14/03	

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID	WEIGHMASTER	
02	069737	7	LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE
04/14/03	04/14/03	08:40	08:40	CC95
CHAUTAUQUA COUNTY				

Manual Gross Wt. 68840 LB
 Stored Tare Wt. 29260 LB
 Net Weight 39580 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE
19.79	TON	SOIL CONT. COVER <#2			

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Load 03

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD-071476402	Manifest Doc. No.	2. Page 1 of 1000 03
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano	6. US EPA ID Number	A. Transporter's Phone	
5. Transporter 1 Company Name Chaut. Cty DPW	364 Part C Permit	8. US EPA ID Number	B. Transporter's Phone	
7. Transporter 2 Company Name		10. US EPA ID Number	C. Facility's Phone	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	19.79 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Jack W Steward		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature [Signature]		Month Day Year 04/14/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000157 JAMESTOWN WWTP
 P.O. BOX 700
 JAMESTOWN NY 14702-0700

SITE	TICKET	GRID	WEIGHMASTER		
02	069759	7	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	09:43	09:43	JW63	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.	58740	LB	Inbound - Charge ticket
Stored Tare Wt.	29260	LB	
Net Weight	29480	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEES	TOTAL
14.74	TON	SOIL CONT. COVER <#2				

local 04

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Hauler JAMESTOWN WWTP

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 04
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name Jamestown BPU		6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	C. Facility's Phone	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785	
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	14.74
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature [Signature]		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.				
Printed/Typed Name Chautauqua County		Signature [Signature]		Month Day Year 04/14/03

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000157 JAMESTOWN WWTP
 P.O. BOX 700
 JAMESTOWN NY 14702-0700

SITE	TICKET	GRID	WEIGHMASTER		
02	069760	7	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	TOTAL TARE
04/14/03	04/14/03	09:45	09:45	JW40	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.	72020	LB	Inbound - Charge ticket
Stored Tare Wt.	28540	LB	
Net Weight	43480	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEES	TAX
21.74	TON	SOIL CONT. COVER <#2				
		<i>Level 05</i>				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Hauler JAMESTOWN WWTP

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D.071476402	Manifest Doc. No.	2. Page 1 of LOAD 05
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name Jamestown DPU		6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	C. Facility's Phone	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785	
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit W/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	21.74 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name William Anderson		Signature <i>William Anderson</i>		Month Day Year 10/4/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Anthony Blair</i>		Month Day Year 04/14/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE		TICKET		GRID		WEIGHMASTER	
02		069755		7		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/14/03		04/14/03		09:23		09:23	
						VEHICLE	
						CC58	
						DRIVER OFF	
						CHAUTAUQUA COUNTY	

Scale 1 Gross Wt.		57180	LB	Inbound - Charge ticket			
Stored Tare Wt.		21460	LB				
Net Weight		35720	LB				
QTY	UNIT	DESCRIPTION	RATE	EXTENSION	FEES	TOTAL	TAXES
17.86	TON	SOIL CONT. COVER <#2					
<i>Level 06</i>							

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE CCHP 58

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD071476402	Manifest Doc. No.	2. Page 1 of <i>local cc</i>
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano	5. Transporter 1 Company Name <i>Chas. DPW</i>	6. US EPA ID Number 364 Part C Permit.	A. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	17.86 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>Will Lindheimer</i>		Signature <i>Will Lindheimer</i>		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>HARRY STAUEREN</i>		Signature <i>Harry Staureren</i>		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name <i>Chautauqua County</i>		Signature <i>Jerry Wain</i>		Month Day Year 04/14/03

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
3889 Towerville Road
Jamestown, New York 14701

Load 7

SITE		TICKET		GRID		WEIGHMASTER	
02		069756		7		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF		
04/14/03	04/14/03	09:25	09:25	CC96			
CHAUTAUQUA COUNTY							

000589 CHAUTAUQUA COUNTY DPF
454 NORTH WORK STREET
FALCONER NY 14733

Scale 1 Gross Wt. 69860 LB
Stored Tare Wt. 29340 LB
Net Weight 40520 LB

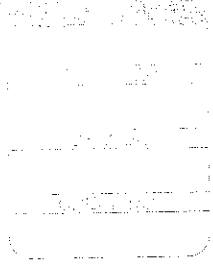
Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEES	TAX
20.26	TON	SOIL CONT. COVER <#2				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *Ron Boyland*



Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of <i>Leaf 07</i>
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano				
5. Transporter 1 Company Name <i>Cha City DPW</i>	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	20.26
b.				
c.				
d.				
14. Unit Wt/Vol T				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>Will Lindheimer</i>		Signature <i>Will Lindheimer</i>		Month Day Year 0 7 1 1 4 0 3
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>Ron Boyland</i>		Signature <i>Ron Boyland</i>		Month Day Year 0 7 1 1 4 0 3
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name <i>Chautauqua County</i>		Signature <i>Jerry Weiss</i>		Month Day Year 0 7 1 1 4 0 3

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID		WEIGHMASTER	
02	069761	7		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	TRAIL OFF
04/14/03	04/14/03	09:47	09:47	CC95	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 68300 LB
 Stored Tare Wt. 29260 LB
 Net Weight 39040 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	PRE
19.52	TON	SOIL CONT. COVER <#2			
		<i>Lead 08</i>			

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD-071476402	Manifest Doc. No.	2. Page 1 of Load 08
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone	
5. Transporter 1 Company Name Chart City DPW		8. US EPA ID Number	B. Transporter's Phone	
7. Transporter 2 Company Name		10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701				
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	19.52 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name Jack W. Steward		Signature <i>Jack W. Steward</i>		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Jerry Lewis</i>		Month Day Year 04/14/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID	WEIGHMASTER		
02	069771	7	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	10:12	10:12	CC58	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.	56560	LB	Inbound - Charge ticket
Stored Tare Wt.	21460	LB	
Net Weight	35100	LB	

QTY.	UNIT	DESCRIPTION	DATE	REVISION	FEES	REMARKS
17.55	TON	SOIL CONT. COVER <#2				
		<i>load 09</i>				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *LARRY WEISE* 58

DATE: _____
 TIME: _____
 SIGNATURE: _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D.071476402	Manifest Doc. No.	2. Page 1 of <i>Lead 09</i>
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano		A. Transporter's Phone	
5. Transporter 1 Company Name Jamestown DPW <i>Chad Co DPW</i>	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785	
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	17.55
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>Will Lindheimer</i>		Signature <i>Will Lindheimer</i>		Month Day Year 10/11/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Harry Stauffer</i>		Month Day Year 10/11/03
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature Month Day Year		
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.				
Printed/Typed Name <i>Chautauqua County</i>		Signature <i>[Signature]</i>		Month Day Year 10/11/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
3889 Towerville Road
Jamestown, New York 14701

Load 10

000589 CHAUTAUQUA COUNTY DPF
454 NORTH WORK STREET
FALCONER NY 14733

SITE	TICKET	GRID	WEIGHMASTER		
02	069775	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	10:27	10:27	CC96	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 72020 LB
Stored Tare Wt. 29340 LB
Net Weight 42680 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	PAID	EXTENSION	FEE
21.34	TON	SOIL CONT. COVER <#2			

Operating hours 7:30 AM to 4 PM Monday thru Friday.
This is to certify that this load does not contain any
hazardous materials, medical waste or liquids of any
type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *Ron Boyland*

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of and 10
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name Chat City DPW		6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	C. Facility's Phone	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785	
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		0 0 1	DT	21.39
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 0 4 1 4 0 3
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Ronald J Boyland</i>		Month Day Year 0 4 1 4 0 3
Printed/Typed Name Ronald J Boyland		Signature		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Jerry Swain</i>		Month Day Year 0 4 1 4 0 3

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000157 JAMESTOWN WWTP
 P.O. BOX 700
 JAMESTOWN NY 14702-0700

SITE	TICKET	GRID		WEIGHMASTER	
02	069780	7		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	10:41	10:41	JW63	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.	61760	LB
Stored Tare Wt.	29260	LB
Net Weight	32500	LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	SEE
16.25	TON	SOIL CONT. COVER <#2			

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

load 11

Hauler JAMESTOWN WWTP

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 11
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter's Phone	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785	
11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		No. 001	Type DT	16.25 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Douglas S. Lindquist		Signature <i>Douglas S. Lindquist</i>		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Mary Wilson</i>		Month Day Year 04/14/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000157 JAMESTOWN WWTP
 P.O. BOX 700
 JAMESTOWN NY 14702-0700

SITE	TICKET	GRID		WEIGHMASTER	
02	069781	6		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	10:43	10:43	JW40	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.	61420	LB	Inbound - Charge ticket
Stored Tare Wt.	28540	LB	
Net Weight	32880	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
16.44	TON	SOIL CONT. COVER <#2				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Lead 12

Hauler JAMESTOWN WWTP

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D.071476402	Manifest Doc. No.	2. Page 1 of LOAD 12
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone	
5. Transporter 1 Company Name Jamestown DPU		7. Transporter 2 Company Name	B. Transporter's Phone	
8. US EPA ID Number		C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785	
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit W/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	16.44 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name William Anderson		Signature William Anderson
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature [Signature]		Month Day Year 10/11/03

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID		WEIGHMASTER	
02	069782	7		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	10:47	10:47	CC95	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 69580 LB
 Stored Tare Wt. 29260 LB
 Net Weight 40320 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE
20.16	TON	SOIL CONT. COVER <#2			

Load #13

Operating hours 7:30 AM to 4 PM Monday thru Friday.

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter).

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 13
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name <i>Cha City SPW</i>	6. US EPA ID Number 3.64 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	10.16
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>Will Lindheimer</i>		Signature <i>Will Lindheimer</i>		Month Day Year 10/1/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>JACK W. STEWARD</i>		Signature <i>Jack W. Steward</i>		Month Day Year 10/1/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name <i>Chautauqua County</i>		Signature <i>[Signature]</i>		Month Day Year 10/1/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE		TICKET		GRID		WEIGHMASTER	
02		069794		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/14/03		04/14/03		11:30		11:30	
						VEHICLE	
						CC58	
						ROLL OFF	
CHAUTAUQUA COUNTY							

Scale 1 Gross Wt.	53720	LB	Inbound - Charge ticket
Stored Tare Wt.	21460	LB	
Net Weight	32260	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEES	TOTAL
16.13	TON	SOIL CONT. COVER <#2				
<i>LOAD 14</i>						

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *CC 14 D 58*

CHAUTAUQUA COUNTY
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 100 STATE STREET
 ALBANY, NY 12242
 (518) 487-2300

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 17
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano				
5. Transporter 1 Company Name Chautauque Cty DPW	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		0 0 1	DT	16.13 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 10 4 1 4 0 3
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name HARRY STAUFFER		Signature <i>Harry Stauffer</i>		Month Day Year 10 4 1 4 0 3
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.				
Printed/Typed Name Chautauque County		Signature <i>Joseph</i>		Month Day Year 10 4 1 4 0 3

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
3889 Towerville Road
Jamestown, New York 14701

Load 15

000589 CHAUTAUQUA COUNTY DPF
454 NORTH WORK STREET
FALCONER NY 14733

SITE	TICKET	GRID		WEIGHMASTER	
02	069795	6		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	PAID OFF
04/14/03	04/14/03	11:32	11:32	CC96	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 70520 LB
Stored Tare Wt. 29340 LB
Net Weight 41180 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEES
20.59	TON	SOIL CONT. COVER <#2			

Operating hours 7:30 AM to 4 PM Monday thru Friday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *Ron Boyland*

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY D 0 7 1 4 7 6 4 0 2 .	Manifest Doc. No.	2. Page 1 of LOAD 15
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano				
5. Transporter 1 Company Name Chad Coy DPW	6. US EPA ID Number 364 Part C Permit.	A. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	20.59
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L L		
15. Special Handling instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Ron Boyland		Signature <i>Ron Boyland</i>		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Jeffrey W. Wase</i>		Month Day Year 04/14/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID		WEIGHMASTER	
02	069799	6		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	WGT OFF
04/14/03	04/14/03	11:40	11:40	CC95	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.	69820	LB	Inbound - Charge ticket
Stored Tare Wt.	29260	LB	
Net Weight	40560	LB	

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.28	TON	SOIL CONT. COVER <#2				
<i>LOAD 16</i>						

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of 10
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano				
5. Transporter 1 Company Name Chautauqua Cty BPN	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		0 0 1	DT	20.28 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/17/03
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name JACK W. STEWARD		Signature <i>Jack W. Steward</i>		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Jessy Lee</i>		Month Day Year 04/14/03

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID	WEIGHT (STON)			
02	069813	06	LARRY WEISE			
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	POLL OFF	
04/14/03	04/14/03	12:21	12:21	JW40		
CHAUTAUQUA COUNTY						

Scale 1 Gross Wt.	58960	LB
Stored Tare Wt.	28540	LB
Net Weight	30420	LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
15.21	TON	SOIL CONT. COVER <#2				

Operating hours 7:30-AM to 4-PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

LOAD 17

Hauler JAMESTOWN WWTP

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 17
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name Jamestown DPU		6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	C. Facility's Phone	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785	
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		0 0 1	DT	15.21
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name William Anderson		Signature William Anderson		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature Jared War		Month Day Year 04/14/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	CR.D	WEIGHMASTER		
02	069816	7	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	PLATE NO.
04/14/03	04/14/03	12:25	12:25	JW63	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 59540 LB
 Stored Tare Wt. 29260 LB
 Net Weight 30280 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RTS	NO. TRUCKS	FEES	REMARKS
15.14	TON	SOIL CONT. COVER <#2				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Load 18

CHAUTAUQUA COUNTY
 DEPT. OF ENVIRONMENTAL CONSERVATION
 100 N. WORK ST.
 FALCONER, NY 14733
 (716) 985-4785

Hauler JAMESTOWN WWTP

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD071476402	Manifest Doc. No.	2. Page 1 of LOAD 18
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name Jamestown DPU	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785	
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	15.64 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/1/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature <i>[Signature]</i>		Month Day Year 04/1/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>[Signature]</i>		Month Day Year 04/1/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID	WEIGHMASTER		
02	069811	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	RCV. OFF
04/14/03	04/14/03	12:14	12:14	CC58	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt.	49940	LB	Inbound - Charge ticket
Stored Tare Wt.	21460	LB	
Net Weight	28480	LB	

QTY.	UNIT	DESCRIPTION	DATE	EXTENSION	FEES	REMARKS
14.24	TON	SOIL CONT. COVER <#2				

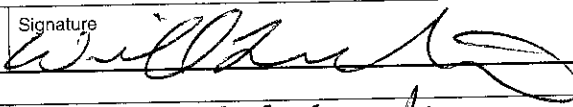
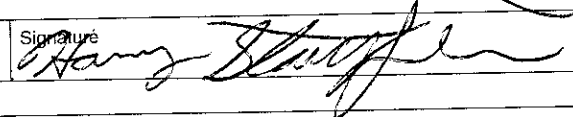
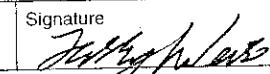
Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

LOAD 19

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE CCAD 58

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 19
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name Chautauque Cty DPW		6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number	C. Facility's Phone	
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785	
11. Waste Shipping Name and Description			12. Containers	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL			No. 001	Type DT
b.				14.24
c.				T
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1			E. Handling Codes for Wastes Listed Above L	
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature 		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature 		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauque County		Signature 		Month Day Year 04/14/03

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

Load 20

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE		TICKET		GRID		WFO/MASTER	
02		069817		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/14/03		04/14/03		12:27		12:27	
VEHICLE						ROLL OFF	
CC96							
CHAUTAUQUA COUNTY							

Scale 1 Gross Wt. 68100 LB
 Stored Tare Wt. 29340 LB
 Net Weight 38760 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	DATE	REVISION	FEES	REMARKS
19.38	TON	SOIL CONT. COVER <#2				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *Ren Boyland*

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 20
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano		A. Transporter's Phone	
5. Transporter 1 Company Name <i>Chautauque Co NY</i>	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	19.38
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>Will Lindheimer</i>		Signature <i>Will Lindheimer</i>		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year 04/14/03
Printed/Typed Name		Signature <i>Ron Boyland</i>		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
Printed/Typed Name <i>Ron Boyland</i>		Signature <i>Ron Boyland</i>		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name <i>Chautauque County</i>		Signature <i>Tracy K. ...</i>		Month Day Year 04/14/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID		WEIGHMASTER	
02	069620	6		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	12:39	12:39	CC19	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 72260 LB
 Stored Tare Wt. 28700 LB
 Net Weight 43560 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
21.78	TON	SOIL CONT. COVER <#2				

oad 21

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

CHAUTAUQUA COUNTY
 RECEIVED
 DATE: _____
 TIME: _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 21
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano				
5. Transporter 1 Company Name Chautauque County DPW	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	21.78 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name Brett Roberts		Signature <i>Brett Roberts</i>		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauque County		Signature <i>Julie W. [unclear]</i>		Month Day Year 04/14/03

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID	VIEWMASTER		
02	069825	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	12:49	12:49	CC95	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 70240 LB
 Stored Tare Wt. 29260 LB
 Net Weight 40980 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSIC	FEES	TAX
20.49	TON	SOIL CONT. COVER <#2				

LOAD 22

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

CHAUTAUQUA COUNTY
 OFFICE OF THE SUPERVISOR
 JAMES TOWN, NY 14701
 TELEPHONE (716) 985-4785
 FAX (716) 985-4786
 E-MAIL: SUPERVISOR@CHAUTAUQUA.COUNTY.NY.US

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD071476402	Manifest Doc. No.	2. Page 1 of LOAD 22
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone	
5. Transporter 1 Company Name Chautauque Cty DPW		8. US EPA ID Number	B. Transporter's Phone	
7. Transporter 2 Company Name		10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785	
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701		11. Waste Shipping Name and Description		
a. NON-HAZARDOUS CONTAMINATED SOIL		12. Containers No. 001	Type DT	13. Total Quantity 20.49
b.				14. Unit Wt/Vol T
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 10/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name <i>Jack W. Stewart</i>		Signature <i>Jack W. Stewart</i>
19. Discrepancy Indication Space		Month Day Year 10/14/03		
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauque County		Signature <i>John W. ...</i>		Month Day Year 10/14/03

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID	WEIGHMASTER		
02	069824	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	12:47	12:47	CC54	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 38060 LB
 Stored Tare Wt. 22020 LB
 Net Weight 16040 LB

Inbound - Charge ticket

LOAD # 23

QTY.	UNIT	DESCRIPTION	FAIR	OPERATOR	DATE
8.02	TON	SOIL CONT. COVER <#2			

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *[Handwritten Signature]*

OPERATOR

DATE

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D.071476402.	Manifest Doc. No.	2. Page 1 of	LOAD 23			
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		4. Generator's Phone (518) 402-9813 David Chuisano		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701				
5. Transporter 1 Company Name <i>Chautauque County DPW</i>		6. US EPA ID Number 364 Part C Permit		A. Transporter's Phone				
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter's Phone				
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT		C. Facility's Phone (716) 985-4785				
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol			
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	8.00	T			
b.								
c.								
d.								
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1				E. Handling Codes for Wastes Listed Above L				
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813								
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.								
Printed/Typed Name Will Lindheimer			Signature <i>Will Lindheimer</i>		Month Day Year 10/4/14			
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature		Month Day Year			
Printed/Typed Name SEVIN R. KELDERHOUSE			<i>Sevin R. Kelderhouse</i>		10/4/14			
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature		Month Day Year			
Printed/Typed Name			Signature		Month Day Year			
19. Discrepancy Indication Space								
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name Chautauque County			Signature <i>Lucy War</i>		Month Day Year 10/4/14			

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE		TICKET		GND		WEIGHMASTER	
02		069836		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/14/03		04/14/03		13:08		13:08	
VEHICLE		ROLL OFF					
JW40							
CHAUTAUQUA COUNTY							

Scale 1 Gross Wt.	66640	LB	Inbound - Charge ticket
Stored Tare Wt.	28540	LB	
Net Weight	38100	LB	

QTY	UNIT	DESCRIPTION	SCALE	EXTENSION	FREE	TOTAL
19.05	TON	SOIL CONT. COVER <#2				

LOAD 24

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

 NAME

 TITLE

 CHECK NO.

Hauler JAMESTOWN WWTP

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 24
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone () 518 402-9813	David Chuisano	6. US EPA ID Number	A. Transporter's Phone	
5. Transporter 1 Company Name Jamestown DPU	364 Part C Permit	8. US EPA ID Number	B. Transporter's Phone	
7. Transporter 2 Company Name			C. Facility's Phone	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		No. Type 0 0 1 DT	19.05 ^T	
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above t		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 09/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name William Ardian		Signature William Ardian		Month Day Year 09/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature Jerry Harris		Month Day Year 09/14/03

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
3889 Towerville Road
Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
454 NORTH WORK STREET
FALCONER NY 14733

SITE		TICKET		GRID		WEIGHT WASHER	
02		069838		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/14/03		04/14/03		13:14		13:14	
				VEHICLE		ROLL OFF	
				JW63			
CHAUTAUQUA COUNTY							

Scale 1 Gross Wt.	62280	LB
Stored Tare Wt.	29260	LB
Net Weight	33020	LB

Inbound - Charge ticket

QTY	UNIT	DESCRIPTION	TIME	TO	FR	BY	DATE
16.51	TON	SOIL CONT. COVER <#2					

load 25

Operating hours 7:30 AM to 4 PM Monday thru Friday.
This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
Telephone (716) 985-4785

CHECK NO.

Hauler JAMESTOWN WWTP

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD071476402	Manifest Doc. No.	2. Page 1 of LOAD 25
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone	
5. Transporter 1 Company Name Jamestown DPV		8. US EPA ID Number	B. Transporter's Phone	
7. Transporter 2 Company Name		10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701				
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	16.51
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Joseph Studebaker</i>		Month Day Year 04/14/03
Printed/Typed Name Joseph Studebaker		Signature		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Joseph Weir		Signature <i>Chautauqua County</i>		Month Day Year 04/14/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE		TICKET		GRID		WEIGHMASTER	
02		069837		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/14/03		04/14/03		13:10		13:10	
						VEHICLE	
						CC58	
						HOLD OFF	
						CHAUTAUQUA COUNTY	

Scale 1 Gross Wt. 44880 LB
 Stored Tare Wt. 21460 LB
 Net Weight 23420 LB

Inbound - Charge ticket

QTY	UNIT	DESCRIPTION	EXTN	EXTENSDT	FILE	DATE
11.71	TON	SOIL CONT. COVER <#2				

Load 26

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *CHAD 58*

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2 .	Manifest Doc. No.	2. Page 1 of LOAD 26
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone	
5. Transporter 1 Company Name Chautauque DPW		8. US EPA ID Number	B. Transporter's Phone	
7. Transporter 2 Company Name		10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785	
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701		11. Waste Shipping Name and Description		
		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	11.71 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer, 2		Signature <i>Will Lindheimer</i>		Month Day Year 07 14 03
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name HARRY STAUFFER		Signature <i>Harry Stauffer</i>		Month Day Year 07 14 03
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauque County		Signature <i>Jessy K...</i>		Month Day Year 10 4 03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

Load 27

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE		TICKET		GRID		WEIGHMASTER	
02		069842		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/14/03		04/14/03		13:22		13:22	
						VEHICLE	
						CC96	
						ROLL OFF	
						CHAUTAUQUA COUNTY	

Scale 1 Gross Wt. 75620 LB
 Stored Tare Wt. 29340 LB
 Net Weight 46280 LB

Inbound - Charge ticket

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	SEE	REMARKS
23.14	TON	SOIL CONT. COVER <#2				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE

Ron Boyland

CHAUTAUQUA COUNTY
 RECEIVED
 CHARGE
 CHECK NO.

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD071476402	Manifest Doc. No.	2. Page 1 of 10AS 27
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone 518 402-9813	David Chuisano		A. Transporter's Phone	
5. Transporter 1 Company Name Chautauque Cty DPW	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	23.14
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 6 4 14 03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Ron Boyland		Signature <i>Ron Boyland</i>		Month Day Year 10 4 14 03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauque County		Signature <i>Jerry Weiss</i>		Month Day Year 10 4 14 03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE		TICKET		GRID		WEIGHMASTER	
02		069846		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/14/03		04/14/03		13:46		13:46	
				VEHICLE		FOLLOW UP	
				CC95			
CHAUTAUQUA COUNTY							

Scale 1 Gross Wt. 74740 LB
 Stored Tare Wt. 29260 LB
 Net Weight 45480 LB

Inbound - Charge ticket

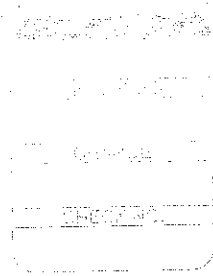
QTY	UNIT	DESCRIPTION	DATE	EXTENSION	FRT	REMARKS
22.74	TON	SOIL CONT. COVER <#2				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Load 28

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____



Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 . 4 0 2 .	Manifest Doc. No.	2. Page 1 of LOAD 28
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano	5. Transporter 1 Company Name Chautauqua County SPW		6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number		B. Transporter's Phone	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT		C. Facility's Phone (716) 985-4785	
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	12.74 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1			E. Handling Codes for Wastes Listed Above L	
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year 10/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Jack W. Steusers		Signature <i>Jack W. Steusers</i>		Month Day Year 1/9/14/03
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Terry Blair</i>		Month Day Year 10/14/03

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000589 CHAUTAUQUA COUNTY DPF
 454 NORTH WORK STREET
 FALCONER NY 14733

SITE	TICKET	GRID	WEIGHMASTER		
02	069847	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	PULL OFF
04/14/03	04/14/03	13:48	13:48	CC54	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 40620 LB
 Stored Tare Wt. 22020 LB
 Net Weight 18600 LB

Inbound - Charge ticket
 LOAD 29

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	PER	TOTAL
9.30	TON	SOIL CONT. COVER <#2				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.
 Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *X [Signature]*

 DRIVER

 CHECKING

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY 106902	Manifest Doc. No.	2. Page 1 of LOAD 29
3. Generator's Name and Mailing Address 518 402-9813 New York State DEC 625 Broadway Albany, NY 12204 David Chuisano		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone ()	5. Transporter 1 Company Name Chautauque County DPW	6. US EPA ID Number 6364 Part C Permit	A. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designation, County and Site Address 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description NON-HAZARDOUS CONTAMINATED SOIL		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a.		001	DT	9.30 T
b.				
c.				
d.				
D. Additional Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 10/11/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name SEVIN R. KEDERHOUSE		Signature <i>Sevin R. Kelderhouse</i>		Month Day Year 10/11/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauque County		Signature <i>Jerry Weiser</i>		Month Day Year 10/11/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID	WEIGHMASTER		
02	069849	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	13:55	13:55	JW40	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 65180 LB
 Stored Tare Wt. 28540 LB
 Net Weight 36640 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAXES	TOTAL
18.32	TON	SOIL CONT. COVER <#2				

Load 30

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler JAMESTOWN WWTP

SIGNATURE _____

DATE	TIME

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of <i>total 30</i>
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (<i>518</i>) 402-9813 David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name <i>Jamestown DPU</i>		6. US EPA ID Number 364 Part C Permit		
7. Transporter 2 Company Name		8. US EPA ID Number		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701		10. US EPA ID Number NYSDEC PERMIT		
		C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	18.32
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name <i>Will Lindheimer</i>		Signature <i>Will Lindheimer</i>		Month Day Year <i>04/14/03</i>
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>William Anderson</i>		Signature <i>William Anderson</i>		Month Day Year <i>04/14/03</i>
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name <i>Chautauqua County</i>		Signature <i>Judy Wae</i>		Month Day Year <i>04/14/03</i>

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

Load 31

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE		TICKET		GRID		WEIGHMASTER	
02		069851		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/14/03		04/14/03		14:10		14:10	
VEHICLE		ROLL OFF					
CC96							
CHAUTAUQUA COUNTY							

Scale 1 Gross Wt. 65220 LB
 Stored Tare Wt. 29340 LB
 Net Weight 35880 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	DATE	TIME	WEIGHT	UNIT
17.94	TON	SOIL CONT. COVER <#2				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE *Ron Boyland*

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 3/
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone	
5. Transporter 1 Company Name Chautauqua Cty DPW		8. US EPA ID Number	B. Transporter's Phone	
7. Transporter 2 Company Name				
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	17.94 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04 14 03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Ron Boyland		Signature Ron Boyland		Month Day Year 04 14 03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature Teresa K... ..		Month Day Year 04 14 03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	CITY	WEIGHMASTER		
02	069653	6	LARRY WEISE		
DATE IN	DATE OUT	TRAF IN	TRAF OUT	VEHICLE	REG. USE
04/14/03	04/14/03	14:20	14:20	JW63	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 61660 LB
 Stored Tare Wt. 29260 LB
 Net Weight 32400 LB
 Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	DATE	SC. IN/OUT	FEES	TOTAL
16.20	TON	SOIL CONT. COVER <#2				
		<i>Load 32</i>				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler JAMESTOWN WWTP

SIGNATURE _____

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD071476402	Manifest Doc. No.	2. Page 1 of 100032
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano		A. Transporter's Phone	
5. Transporter 1 Company Name Jamestown BPO	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	16.00 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature <i>Will Lindheimer</i>		Month Day Year 04/1/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Douglas S. ...		Signature <i>Douglas S. ...</i>
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature <i>Daryl Ward</i>		Month Day Year 04/14/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SP#	TICKET	GRID	WEIGHMASTER		
02	069854	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	TRUCK OFF
04/14/03	04/14/03	14:23	14:23	CC58	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 51320 LB
 Stored Tare Wt. 21460 LB
 Net Weight 29860 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEES	DISC.
14.93	TON	SOIL CONT. COVER <#2				

Load 33

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE CCHD 58

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 33
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano		A. Transporter's Phone	
5. Transporter 1 Company Name Chautauqua Cty DPW	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	14.93
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Larry Spauldon		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature [Signature]		Month Day Year 04/14/03

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE		TICKET		GRID		WEIGHMASTER	
02		069860		6		LARRY WEISE	
DATE IN		DATE OUT		TIME IN		TIME OUT	
04/14/03		04/14/03		14:34		14:34	
						VEHICLE	
						CC19	
						COUNT	
						CHAUTAUQUA COUNTY	

Scale 1 Gross Wt.	73860	LB
Stored Tare Wt.	28700	LB
Net Weight	45160	LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	DATE	EXTENSION	FEE	TOTAL
22.58	TON	SOIL CONT. COVER <#2				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

1000034

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

Stamp area with fields for:

- DATE
- TIME
- CHECK NO

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD 071476402	Manifest Doc. No.	2. Page 1 of load 34
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone 518 402-9813 David Chuisano	6. US EPA ID Number 364 Part C Permit		A. Transporter's Phone	
7. Transporter 1 Company Name Chautauque Cty DPW	8. US EPA ID Number		B. Transporter's Phone	
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT		C. Facility's Phone (716) 985-4785	
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	dd.50 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 10/4/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Brett Roberts		Signature Brett Roberts		Month Day Year 10/4/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauque County		Signature Judy K... ..		Month Day Year 10/4/03

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID	VEHICLE/VEHICLE		
02	069864	6	LARRY WEISE		
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	14:45	14:45	CC54	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 42580 LB
 Stored Tare Wt. 22020 LB
 Net Weight 20560 LB

Inbound - Charge ticket

LEAD 35

QTY.	UNIT	DESCRIPTION
10.28	TON	SOIL CONT. COVER <#2

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE

Jawo Keldenhauer

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of load 35
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	David Chuisano	6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone	
5. Transporter 1 Company Name Chautauque Co DPW		7. Transporter 2 Company Name	B. Transporter's Phone	
8. US EPA ID Number	9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701		C. Facility's Phone (716) 985-4785	
10. US EPA ID Number NYSDEC PERMIT	11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity
	a. NON-HAZARDOUS CONTAMINATED SOIL		DT	10.28
	b.			
	c.			
	d.			
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 10/1/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Jevin R Keldershaus		Signature Jevin R Keldershaus
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauque County		Signature Jevin R Keldershaus		Month Day Year 10/1/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	GRID	WEIGH/STEP	
02	069862	6	LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE
04/14/03	04/14/03	14:42	14:42	CC95
CHAUTAUQUA COUNTY				

Scale 1 Gross Wt. 72140 LB
 Stored Tare Wt. 29260 LB
 Net Weight 42880 LB

Inbound - Charge ticket

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX
21.44	TON	SOIL CONT. COVER <#2			

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

load 360

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE _____

WEIGHMASTER
 DATE/TIME
 CHECKED
 RECEIVED

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D.071.476.402.	Manifest Doc. No.	2. Page 1 of LOAD 3C
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204 David Chuisano		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813		6. US EPA ID Number 364 Part C Permit	A. Transporter's Phone	
5. Transporter 1 Company Name Chautauque County DPW		8. US EPA ID Number	B. Transporter's Phone	
7. Transporter 2 Company Name		10. US EPA ID Number NYSDEC PERMIT	C. Facility's Phone (716) 985-4785	
9. Designated Facility Name and Site Address Chautauque County Landfill 3889 Towersville Road Jamestown, NY 14701				
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	21.44 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year 04/14/03
Printed/Typed Name		Signature		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature Tech W. Steward		Month Day Year
Printed/Typed Name Tech W. Steward		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauque County		Signature Jerry Weir		Month Day Year 04/14/03

GENERATOR

TRANSPORTER

FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE	TICKET	BRO		WEIGHMASTER	
02	069871	6		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
04/14/03	04/14/03	14:56	14:56	JW40	
CHAUTAUQUA COUNTY					

Scale 1 Gross Wt. 64840 LB
 Stored Tare Wt. 28540 LB
 Net Weight 36300 LB

Inbound - Charge ticket

QTY	UNIT	DESCRIPTION	RATE	AMOUNT	EXT	TOTAL
18.15	TON	SOIL CONT. COVER <#2				

Load 37

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler JAMESTOWN WWTP

SIGNATURE _____

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 37
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204 David Chuisano		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813	6. US EPA ID Number 364 Part C Permit		A. Transporter's Phone	
5. Transporter 1 Company Name Jamestown BPU	8. US EPA ID Number		B. Transporter's Phone	
7. Transporter 2 Company Name	10. US EPA ID Number NYSDEC PERMIT		C. Facility's Phone (716) 985-4785	
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701				
11. Waste Shipping Name and Description		12. Containers No.	Type	13. Total Quantity
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	18.15
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1			E. Handling Codes for Wastes Listed Above L	
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 04/14/03
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name William Andersen		Signature William Andersen		Month Day Year 04/14/03
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature Jillie [unclear]		Month Day Year 04/14/03

GENERATOR
TRANSPORTER
FACILITY

CHAUTAUQUA COUNTY LANDFILL
 3889 Towerville Road
 Jamestown, New York 14701

Load 38

000189 NYS DEPT. OF ENVIR. CONSERVATI
 270 MICHIGAN AVENUE
 BUFFALO NY 14203-2999

SITE		TICKET		GRID		WEIGHMASTER	
02		069873		6		LARRY WEISE	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF		
04/14/03	04/14/03	14:59	14:59	CC96			
CHAUTAUQUA COUNTY							

Scale 1 Gross Wt. 78560 LB
 Stored Tare Wt. 29340 LB
 Net Weight 49220 LB

Inbound - Charge ticket

TON	UNIT	DESCRIPTION	RATE	EXTENSION	FEES	TOTAL
24.61	TON	SOIL CONT. COVER <#2				

Operating hours 7:30 AM to 4 PM Monday thru Friday.
 This is to certify that this load does not contain any
 hazardous materials, medical waste or liquids of any
 type. Telephone (716) 985-4785

Hauler CHAUTAUQUA COUNTY DPF

SIGNATURE

Ron Boyland

SEARCHED

INDEXED

SERIALIZED

FILED

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N.Y.D 0 7 1 4 7 6 4 0 2	Manifest Doc. No.	2. Page 1 of LOAD 38
3. Generator's Name and Mailing Address New York State DEC 625 Broadway Albany, NY 12204		Pelican Manufacturing Site 2223 Washington Street Jamestown, NY 14701		
4. Generator's Phone (518) 402-9813 David Chuisano		A. Transporter's Phone		
5. Transporter 1 Company Name Chautauqua Cty DPW	6. US EPA ID Number 364 Part C Permit	B. Transporter's Phone		
7. Transporter 2 Company Name	8. US EPA ID Number	C. Facility's Phone		
9. Designated Facility Name and Site Address Chautauqua County Landfill 3889 Towersville Road Jamestown, NY 14701	10. US EPA ID Number NYSDEC PERMIT	(716) 985-4785		
11. Waste Shipping Name and Description		12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. NON-HAZARDOUS CONTAMINATED SOIL		001	DT	2461 T
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above Pelican Manufacturing Site CC0410.01S1		E. Handling Codes for Wastes Listed Above L		
15. Special Handling Instructions and Additional Information In Case of Emergency or for information on this shipment, Call: Will Lindheimer (Earth Tech) 518-669-9537 David Chuisano (NYSDEC) 518-402-9813				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Will Lindheimer		Signature Will Lindheimer		Month Day Year 10 4 11 4 10 3
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Ron Boyland		Signature Ron Boyland		Month Day Year 10 4 11 4 10 3
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name Chautauqua County		Signature Julie [unclear]		Month Day Year 10 4 11 4 10 3

GENERATOR
TRANSPORTER
FACILITY

Appendix D

Laboratory Analytical Data

Analytical Data Package for Earth Tech.

Client Project: Pelican -- NYSDEC, 32375

SDG# B0524

Mitkem Project ID: B0524

April 29, 2003

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Pelican project. Under this deliverable, analysis results are presented for nine soil samples that were collected on April 2, 2003, and received at Mitkem on April 3, 2003. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample identifications were shortened where necessary due to limitations in the software used to generate CLP-type report forms. A table of sample identifications showing full client ID, shortened client ID and laboratory ID follows this narrative, along with the Mitkem Work Order.

The analyses were performed according to NYSDEC ASP protocols (October 1995 update) and reported per NYSDEC ASP requirement for Category B deliverable.

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

1. Overall Observation:

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

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous -- under this category, the justification is explained.

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

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

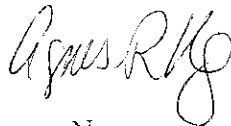
000001

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

Sample analysis: due to high concentration of target analytes, the following samples were analyzed using sample size: 03EASTW (1g), 03SOUTHW (1g), C2-PEAT (0.8g) and C2CLEAN (1g). This is equivalent to 5x dilution for these samples. To ensure that all target analytes were determined within the instrument calibration range, the following samples were re-analyzed at dilution by medium level: 03C2WC, 03FLOOR, 03NORTHW, 03SOUTHW, 03WESTW and C2-PEAT. No other unusual observation was made for the analysis.

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

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



Agnes Ng
CLP Project Manager
04/29/03

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: B0524

Client Name: Earth Tech

<i>Mitkem Sample ID</i>	<i>Reported Client Sample ID</i>	<i>Full Client Sample ID</i>
B0524-01A	03WESTW	EXCAV-03-WESTW
B0524-02A	03SOUTHW	EXCAV-03-SOUTHW
B0524-03A	03NORTHW	EXCAV-03-NORTHW
B0524-04A	03EASTW	EXCAV-03-EASTW
B0524-05A	03FLOOR	EXCAV-03-FLOOR
B0524-06A	C2FLOOR	EXCAV-C2-FLOOR
B0524-07A	C2-PEAT	C2-PEAT
B0524-08A	C2CLEAN	SP-03/C2-CLEAN
B0524-09A	03C2WC	SP-03/C2-WC

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

000003

Case: Report Level: ASP-B
 SDG: XL
 EDD: HC Due: 04/17/03
 PO: Fax Due: 04/04/03

Client ID: EARTH_NY
 Project: NYSDEC Pelican Site
 Location: 32375
 Comments: N/A

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Hold	MS	SEL	Storage
B0524-01A	03WESTW	04/02/03 10:40	04/03/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
B0524-02A	03SOUTHW	04/02/03 11:00	04/03/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
B0524-03A	03NORTHW	04/02/03 11:05	04/03/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
B0524-04A	03EASTW	04/02/03 11:10	04/03/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
B0524-05A	03FLOOR	04/02/03 11:15	04/03/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
B0524-06A	C2FLOOR	04/02/03 16:40	04/03/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4
B0524-07A	C2-PEAT	04/02/03 16:35	04/03/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	I4

000004

Mitkem Corporation

Report Level: ASP-B
 EDD: XL
 HC Due: 04/17/03
 Fax Due: 04/04/03

Case:
 SDG:
 PO:

Client ID: EARTH_NY
 Project: NYSDEC Pelican Site
 Location: 32375
 Comments: N/A

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Hold	MS	SEL	Storage
B0524-07A	C2-PEAT	04/02/03 16:35	04/03/03	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14
B0524-08A	C2CLEAN	04/02/03 17:00	04/03/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14
B0524-09A	03C2WC	04/02/03 17:00	04/03/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03C2WC

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0524
 Matrix: (soil/water) SOIL Lab Sample ID: B0524-09A
 Sample wt/vol: 5.4 (g/mL) G Lab File ID: V1F3313
 Level: (low/med) LOW Date Received: 04/03/03
 % Moisture: not dec. 31 Date Analyzed: 04/03/03
 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	1	J
67-64-1	Acetone	220	
74-88-4	Iodomethane	7	U
75-15-0	Carbon Disulfide	4	J
75-09-2	Methylene Chloride	5	BJ
156-60-5	trans-1,2-Dichloroethene	29	
1634-04-4	Methyl tert-butyl ether	7	U
75-34-3	1,1-Dichloroethane	4	J
108-05-4	Vinyl acetate	7	U
78-93-3	2-Butanone	54	
156-59-2	cis-1,2-Dichloroethene	950	E 350 u
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	3	J
79-01-6	Trichloroethene	5000	E 2700 u
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	10	
10061-02-6	trans-1,3-Dichloropropene	7	U
79-00-5	1,1,2-Trichloroethane	8	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03C2WC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-09A

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

Lab File ID: V1F3313

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 31

Date Analyzed: 04/03/03

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	64	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	2	J
95-47-6	o-Xylene	7	U
1330-20-7	Xylene (Total)	2	J
100-42-5	Styrene	7	U
75-25-2	Bromoform	7	U
98-82-8	Isopropylbenzene	7	U
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	7	U
106-43-4	4-Chlorotoluene	7	U
98-06-6	tert-Butylbenzene	7	U
95-63-6	1,2,4-Trimethylbenzene	7	U
135-98-8	sec-Butylbenzene	7	U
99-87-6	4-Isopropyltoluene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
104-51-8	n-Butylbenzene	7	U
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	7	U
87-61-6	1,2,3-Trichlorobenzene	7	U



1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03C2WC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-09A

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

Lab File ID: V1F3313

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 31

Date Analyzed: 04/03/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 78-84-2	PROPANAL, 2-METHYL-	3.74	31	NJ
2. 590-86-3	BUTANAL, 3-METHYL-	5.65	10	NJ
3.	UNKNOWN	11.39	20	JB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03C2WCDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-09ADL

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

Lab File ID: V6C5553

Level: (low/med) MED

Date Received: 04/03/03

% Moisture: not dec. 31

Date Analyzed: 04/08/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

CONCENTRATION UNITS:

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

75-71-8-----	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	2700	D
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.

03C2WCDL

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0524
 Matrix: (soil/water) SOIL Lab Sample ID: B0524-09ADL
 Sample wt/vol: 5.2 (g/mL) G Lab File ID: V6C5553
 Level: (low/med) MED Date Received: 04/03/03
 % Moisture: not dec. 31 Date Analyzed: 04/08/03
 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	350	U
95-47-6	o-Xylene	350	U
1330-20-7	Xylene (Total)	350	U
100-42-5	Styrene	350	U
75-25-2	Bromoform	350	U
98-82-8	Isopropylbenzene	350	U
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	350	U
106-43-4	4-Chlorotoluene	350	U
98-06-6	tert-Butylbenzene	350	U
95-63-6	1,2,4-Trimethylbenzene	350	U
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	350	U
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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03C2WCDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-09ADL

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

Lab File ID: V6C5553

Level: (low/med) MED

Date Received: 04/03/03

% Moisture: not dec. 31

Date Analyzed: 04/08/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

03EASTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-04A

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

Lab File ID: V1F3401

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 13

Date Analyzed: 04/05/03

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	29	U
74-87-3	Chloromethane	29	U
75-01-4	Vinyl Chloride	29	U
74-83-9	Bromomethane	29	U
75-00-3	Chloroethane	29	U
75-69-4	Trichlorofluoromethane	29	U
75-35-4	1,1-Dichloroethene	29	U
67-64-1	Acetone	29	U
74-88-4	Iodomethane	29	U
75-15-0	Carbon Disulfide	29	U
75-09-2	Methylene Chloride	8	JB
156-60-5	trans-1,2-Dichloroethene	29	U
1634-04-4	Methyl tert-butyl ether	29	U
75-34-3	1,1-Dichloroethane	29	U
108-05-4	Vinyl acetate	29	U
78-93-3	2-Butanone	29	U
156-59-2	cis-1,2-Dichloroethene	36	
590-20-7	2,2-Dichloropropane	29	U
74-97-5	Bromochloromethane	29	U
67-66-3	Chloroform	29	U
71-55-6	1,1,1-Trichloroethane	29	U
563-58-6	1,1-Dichloropropene	29	U
56-23-5	Carbon Tetrachloride	29	U
107-06-2	1,2-Dichloroethane	29	U
71-43-2	Benzene	10	J
79-01-6	Trichloroethene	740	
78-87-5	1,2-Dichloropropane	29	U
74-95-3	Dibromomethane	29	U
75-27-4	Bromodichloromethane	29	U
10061-01-5	cis-1,3-Dichloropropene	29	U
108-10-1	4-Methyl-2-pentanone	29	U
108-88-3	Toluene	17	J
10061-02-6	trans-1,3-Dichloropropene	29	U
79-00-5	1,1,2-Trichloroethane	29	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03EASTW

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: B0524

Matrix: (soil/water) SOIL Lab Sample ID: B0524-04A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V1F3401

Level: (low/med) LOW Date Received: 04/03/03

% Moisture: not dec. 13 Date Analyzed: 04/05/03

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03EASTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-04A

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

Lab File ID: V1F3401

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 13

Date Analyzed: 04/05/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

03FLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-05A

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

Lab File ID: V1F3341

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 28

Date Analyzed: 04/04/03

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	7	
74-83-9	Bromomethane	6	U
75-00-3	Chloroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
75-35-4	1,1-Dichloroethene	4	J
67-64-1	Acetone	13	
74-88-4	Iodomethane	6	U
75-15-0	Carbon Disulfide	1	J
75-09-2	Methylene Chloride	2	JB
156-60-5	trans-1,2-Dichloroethene	8	
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	330	E 120
590-20-7	2,2-Dichloropropane	6	U
74-97-5	Bromochloromethane	6	U
67-66-3	Chloroform	1	J
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	6000	E 5300
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	7	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03FLOOR

Lab Name: MITKEM CORPORATION	Contract:	
Lab Code: MITKEM	Case No.:	SAS No.:
		SDG No.: B0524
Matrix: (soil/water) SOIL		Lab Sample ID: B0524-05A
Sample wt/vol: 5.3 (g/mL) G		Lab File ID: V1F3341
Level: (low/med) LOW		Date Received: 04/03/03
% Moisture: not dec. 28		Date Analyzed: 04/04/03
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
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142-28-9-----1,3-Dichloropropane	6	U
127-18-4-----Tetrachloroethene	48	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	6	U
95-47-6-----o-Xylene	6	U
1330-20-7-----Xylene (Total)	6	U
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	6	U
106-43-4-----4-Chlorotoluene	6	U
98-06-6-----tert-Butylbenzene	6	U
95-63-6-----1,2,4-Trimethylbenzene	6	U
135-98-8-----sec-Butylbenzene	6	U
99-87-6-----4-Isopropyltoluene	6	U
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	6	U
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	U
87-61-6-----1,2,3-Trichlorobenzene	6	U



1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03FLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-05A

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

Lab File ID: V1F3341

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 28

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	13.07	7	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03FLOODL

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0524
 Matrix: (soil/water) SOIL Lab Sample ID: B0524-05ADL
 Sample wt/vol: 5.9 (g/mL) G Lab File ID: V6C5552
 Level: (low/med) MED Date Received: 04/03/03
 % Moisture: not dec. 28 Date Analyzed: 04/08/03
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	290	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	290	U
74-83-9	Bromomethane	290	U
75-00-3	Chloroethane	290	U
75-69-4	Trichlorofluoromethane	290	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	290	U
74-88-4	Iodomethane	290	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	290	U
156-60-5	trans-1,2-Dichloroethene	290	U
1634-04-4	Methyl tert-butyl ether	290	U
75-34-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl acetate	290	U
78-93-3	2-Butanone	290	U
156-59-2	cis-1,2-Dichloroethene	120	DJ
590-20-7	2,2-Dichloropropane	290	U
74-97-5	Bromochloromethane	290	U
67-66-3	Chloroform	290	U
71-55-6	1,1,1-Trichloroethane	290	U
563-58-6	1,1-Dichloropropene	290	U
56-23-5	Carbon Tetrachloride	290	U
107-06-2	1,2-Dichloroethane	290	U
71-43-2	Benzene	290	U
79-01-6	Trichloroethene	5300	D
78-87-5	1,2-Dichloropropane	290	U
74-95-3	Dibromomethane	290	U
75-27-4	Bromodichloromethane	290	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-pentanone	290	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	290	U
79-00-5	1,1,2-Trichloroethane	290	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03FLOODL

Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM	Case No.:
	SAS No.:
	SDG No.: B0524
Matrix: (soil/water) SOIL	Lab Sample ID: B0524-05ADL
Sample wt/vol: 5.9 (g/mL) G	Lab File ID: V6C5552
Level: (low/med) MED	Date Received: 04/03/03
% Moisture: not dec. 28	Date Analyzed: 04/08/03
GC Column: DB-624 ID: 0.25 (mm)	Dilution Factor: 1.0
Soil Extract Volume: 5 (mL)	Soil Aliquot Volume: 100.0 (uL)

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

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	290	U
127-18-4	Tetrachloroethene	60	DJ
591-78-6	2-Hexanone	290	U
124-48-1	Dibromochloromethane	290	U
106-93-4	1,2-Dibromoethane	290	U
108-90-7	Chlorobenzene	290	U
630-20-6	1,1,1,2-Tetrachloroethane	290	U
100-41-4	Ethylbenzene	290	U
	m,p-Xylene	290	U
95-47-6	o-Xylene	290	U
1330-20-7	Xylene (Total)	290	U
100-42-5	Styrene	290	U
75-25-2	Bromoform	290	U
98-82-8	Isopropylbenzene	290	U
79-34-5	1,1,2,2-Tetrachloroethane	290	U
108-86-1	Bromobenzene	290	U
96-18-4	1,2,3-Trichloropropane	290	U
103-65-1	n-Propylbenzene	290	U
95-49-8	2-Chlorotoluene	290	U
108-67-8	1,3,5-Trimethylbenzene	290	U
106-43-4	4-Chlorotoluene	290	U
98-06-6	tert-Butylbenzene	290	U
95-63-6	1,2,4-Trimethylbenzene	290	U
135-98-8	sec-Butylbenzene	290	U
99-87-6	4-Isopropyltoluene	290	U
541-73-1	1,3-Dichlorobenzene	290	U
106-46-7	1,4-Dichlorobenzene	290	U
104-51-8	n-Butylbenzene	290	U
95-50-1	1,2-Dichlorobenzene	290	U
96-12-8	1,2-Dibromo-3-chloropropane	290	U
120-82-1	1,2,4-Trichlorobenzene	290	U
87-68-3	Hexachlorobutadiene	290	U
91-20-3	Naphthalene	290	U
87-61-6	1,2,3-Trichlorobenzene	290	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03FLOODL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-05ADL

Sample wt/vol: 5.9 (g/mL) G

Lab File ID: V6C5552

Level: (low/med) MED

Date Received: 04/03/03

% Moisture: not dec. 28

Date Analyzed: 04/08/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.70	380	JD
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03NORTHW

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0524

Matrix: (soil/water) SOIL Lab Sample ID: B0524-03A

Sample wt/vol: 5.3 (g/mL) G Lab File ID: V1F3339

Level: (low/med) LOW Date Received: 04/03/03

% Moisture: not dec. 22 Date Analyzed: 04/04/03

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	2	JB
156-60-5	trans-1,2-Dichloroethene	3	J
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	240	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	4200	E
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	5	J

9900D



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03NORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-03A

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

Lab File ID: V1F3339

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 22

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	6	U
127-18-4	Tetrachloroethene	32	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	6	U
95-47-6	o-Xylene	6	U
1330-20-7	Xylene (Total)	6	U
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	6	U
106-43-4	4-Chlorotoluene	6	U
98-06-6	tert-Butylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
99-87-6	4-Isopropyltoluene	6	U
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	6	U
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	U
87-61-6	1,2,3-Trichlorobenzene	6	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03NORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-03A

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

Lab File ID: V1F3339

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 22

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	11.39	23	NJ
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03NORTHWDL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0524

Matrix: (soil/water) SOIL Lab Sample ID: B0524-03ADL

Sample wt/vol: 5.7 (g/mL) G Lab File ID: V6C5551

Level: (low/med) MED Date Received: 04/03/03

% Moisture: not dec. 22 Date Analyzed: 04/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	280	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	280	U
74-83-9	Bromomethane	280	U
75-00-3	Chloroethane	280	U
75-69-4	Trichlorofluoromethane	280	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	280	U
74-88-4	Iodomethane	280	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	280	U
156-60-5	trans-1,2-Dichloroethene	280	U
1634-04-4	Methyl tert-butyl ether	280	U
75-34-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl acetate	280	U
78-93-3	2-Butanone	280	U
156-59-2	cis-1,2-Dichloroethene	300	D
590-20-7	2,2-Dichloropropane	280	U
74-97-5	Bromochloromethane	280	U
67-66-3	Chloroform	280	U
71-55-6	1,1,1-Trichloroethane	280	U
563-58-6	1,1-Dichloropropene	280	U
56-23-5	Carbon Tetrachloride	280	U
107-06-2	1,2-Dichloroethane	280	U
71-43-2	Benzene	280	U
79-01-6	Trichloroethene	9900	D
78-87-5	1,2-Dichloropropane	280	U
74-95-3	Dibromomethane	280	U
75-27-4	Bromodichloromethane	280	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-pentanone	280	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	280	U
79-00-5	1,1,2-Trichloroethane	280	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03NORTHWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-03ADL

Sample wt/vol: 5.7 (g/mL) G

Lab File ID: V6C5551

Level: (low/med) MED

Date Received: 04/03/03

% Moisture: not dec. 22

Date Analyzed: 04/08/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

CONCENTRATION UNITS:

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

142-28-9-----	1,3-Dichloropropane	280	U
127-18-4-----	Tetrachloroethene	150	DJ
591-78-6-----	2-Hexanone	280	U
124-48-1-----	Dibromochloromethane	280	U
106-93-4-----	1,2-Dibromoethane	280	U
108-90-7-----	Chlorobenzene	280	U
630-20-6-----	1,1,1,2-Tetrachloroethane	280	U
100-41-4-----	Ethylbenzene	280	U
-----	m,p-Xylene	280	U
95-47-6-----	o-Xylene	280	U
1330-20-7-----	Xylene (Total)	280	U
100-42-5-----	Styrene	280	U
75-25-2-----	Bromoform	280	U
98-82-8-----	Isopropylbenzene	280	U
79-34-5-----	1,1,2,2-Tetrachloroethane	280	U
108-86-1-----	Bromobenzene	280	U
96-18-4-----	1,2,3-Trichloropropane	280	U
103-65-1-----	n-Propylbenzene	280	U
95-49-8-----	2-Chlorotoluene	280	U
108-67-8-----	1,3,5-Trimethylbenzene	280	U
106-43-4-----	4-Chlorotoluene	280	U
98-06-6-----	tert-Butylbenzene	280	U
95-63-6-----	1,2,4-Trimethylbenzene	280	U
135-98-8-----	sec-Butylbenzene	280	U
99-87-6-----	4-Isopropyltoluene	280	U
541-73-1-----	1,3-Dichlorobenzene	280	U
106-46-7-----	1,4-Dichlorobenzene	280	U
104-51-8-----	n-Butylbenzene	280	U
95-50-1-----	1,2-Dichlorobenzene	280	U
96-12-8-----	1,2-Dibromo-3-chloropropane	280	U
120-82-1-----	1,2,4-Trichlorobenzene	280	U
87-68-3-----	Hexachlorobutadiene	280	U
91-20-3-----	Naphthalene	280	U
87-61-6-----	1,2,3-Trichlorobenzene	280	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03NORTHWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-03ADL

Sample wt/vol: 5.7 (g/mL) G

Lab File ID: V6C5551

Level: (low/med) MED

Date Received: 04/03/03

% Moisture: not dec. 22

Date Analyzed: 04/08/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

03SOUTHW

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0524

Matrix: (soil/water) SOIL Lab Sample ID: B0524-02A

Sample wt/vol: 1.0 (g/mL) G Lab File ID: V1F3376

Level: (low/med) LOW Date Received: 04/03/03

% Moisture: not dec. 15 Date Analyzed: 04/04/03

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	29	U
74-87-3	Chloromethane	29	U
75-01-4	Vinyl Chloride	29	U
74-83-9	Bromomethane	29	U
75-00-3	Chloroethane	29	U
75-69-4	Trichlorofluoromethane	29	U
75-35-4	1,1-Dichloroethene	29	U
67-64-1	Acetone	29	U
74-88-4	Iodomethane	29	U
75-15-0	Carbon Disulfide	29	U
75-09-2	Methylene Chloride	17	JB
156-60-5	trans-1,2-Dichloroethene	29	U
1634-04-4	Methyl tert-butyl ether	29	U
75-34-3	1,1-Dichloroethane	29	U
108-05-4	Vinyl acetate	29	U
78-93-3	2-Butanone	29	U
156-59-2	cis-1,2-Dichloroethene	100	
590-20-7	2,2-Dichloropropane	29	U
74-97-5	Bromochloromethane	29	U
67-66-3	Chloroform	29	U
71-55-6	1,1,1-Trichloroethane	29	U
563-58-6	1,1-Dichloropropene	29	U
56-23-5	Carbon Tetrachloride	29	U
107-06-2	1,2-Dichloroethane	29	U
71-43-2	Benzene	29	U
79-01-6	Trichloroethene	2100	E
78-87-5	1,2-Dichloropropane	29	U
74-95-3	Dibromomethane	29	U
75-27-4	Bromodichloromethane	29	U
10061-01-5	cis-1,3-Dichloropropene	29	U
108-10-1	4-Methyl-2-pentanone	29	U
108-88-3	Toluene	19	J
10061-02-6	trans-1,3-Dichloropropene	29	U
79-00-5	1,1,2-Trichloroethane	8	J

2700 D



1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03SOUTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-02A

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

Lab File ID: V1F3376

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 15

Date Analyzed: 04/04/03

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	29	U
127-18-4-----	Tetrachloroethene	53	
591-78-6-----	2-Hexanone	29	U
124-48-1-----	Dibromochloromethane	29	U
106-93-4-----	1,2-Dibromoethane	29	U
108-90-7-----	Chlorobenzene	29	U
630-20-6-----	1,1,1,2-Tetrachloroethane	29	U
100-41-4-----	Ethylbenzene	29	U
-----	m,p-Xylene	11	J
95-47-6-----	o-Xylene	29	U
1330-20-7-----	Xylene (Total)	11	J
100-42-5-----	Styrene	29	U
75-25-2-----	Bromoform	29	U
98-82-8-----	Isopropylbenzene	29	U
79-34-5-----	1,1,2,2-Tetrachloroethane	29	U
108-86-1-----	Bromobenzene	29	U
96-18-4-----	1,2,3-Trichloropropane	29	U
103-65-1-----	n-Propylbenzene	29	U
95-49-8-----	2-Chlorotoluene	29	U
108-67-8-----	1,3,5-Trimethylbenzene	29	U
106-43-4-----	4-Chlorotoluene	29	U
98-06-6-----	tert-Butylbenzene	29	U
95-63-6-----	1,2,4-Trimethylbenzene	29	U
135-98-8-----	sec-Butylbenzene	29	U
99-87-6-----	4-Isopropyltoluene	29	U
541-73-1-----	1,3-Dichlorobenzene	29	U
106-46-7-----	1,4-Dichlorobenzene	29	U
104-51-8-----	n-Butylbenzene	29	U
95-50-1-----	1,2-Dichlorobenzene	29	U
96-12-8-----	1,2-Dibromo-3-chloropropane	29	U
120-82-1-----	1,2,4-Trichlorobenzene	29	U
87-68-3-----	Hexachlorobutadiene	29	U
91-20-3-----	Naphthalene	29	U
87-61-6-----	1,2,3-Trichlorobenzene	29	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03SOUTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-02A

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

Lab File ID: V1F3376

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 15

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	11.39	100	NJ
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03SOUTHWDL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0524

Matrix: (soil/water) SOIL Lab Sample ID: B0524-02ADL

Sample wt/vol: 5.4 (g/mL) G Lab File ID: V6C5550

Level: (low/med) MED Date Received: 04/03/03

% Moisture: not dec. 15 Date Analyzed: 04/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8-----	Dichlorodifluoromethane	270	U
74-87-3-----	Chloromethane	270	U
75-01-4-----	Vinyl Chloride	270	U
74-83-9-----	Bromomethane	270	U
75-00-3-----	Chloroethane	270	U
75-69-4-----	Trichlorofluoromethane	270	U
75-35-4-----	1,1-Dichloroethene	270	U
67-64-1-----	Acetone	270	U
74-88-4-----	Iodomethane	270	U
75-15-0-----	Carbon Disulfide	270	U
75-09-2-----	Methylene Chloride	270	U
156-60-5-----	trans-1,2-Dichloroethene	270	U
1634-04-4-----	Methyl tert-butyl ether	270	U
75-34-3-----	1,1-Dichloroethane	270	U
108-05-4-----	Vinyl acetate	270	U
78-93-3-----	2-Butanone	270	U
156-59-2-----	cis-1,2-Dichloroethene	62	DJ
590-20-7-----	2,2-Dichloropropane	270	U
74-97-5-----	Bromochloromethane	270	U
67-66-3-----	Chloroform	270	U
71-55-6-----	1,1,1-Trichloroethane	270	U
563-58-6-----	1,1-Dichloropropene	270	U
56-23-5-----	Carbon Tetrachloride	270	U
107-06-2-----	1,2-Dichloroethane	270	U
71-43-2-----	Benzene	270	U
79-01-6-----	Trichloroethene	2700	D
78-87-5-----	1,2-Dichloropropane	270	U
74-95-3-----	Dibromomethane	270	U
75-27-4-----	Bromodichloromethane	270	U
10061-01-5-----	cis-1,3-Dichloropropene	270	U
108-10-1-----	4-Methyl-2-pentanone	270	U
108-88-3-----	Toluene	270	U
10061-02-6-----	trans-1,3-Dichloropropene	270	U
79-00-5-----	1,1,2-Trichloroethane	270	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03SOUTHWDL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0524

Matrix: (soil/water) SOIL Lab Sample ID: B0524-02ADL

Sample wt/vol: 5.4 (g/mL) G Lab File ID: V6C5550

Level: (low/med) MED Date Received: 04/03/03

% Moisture: not dec. 15 Date Analyzed: 04/08/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0 (uL)

CONCENTRATION UNITS:

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

142-28-9-----	1,3-Dichloropropane	270	U
127-18-4-----	Tetrachloroethene	160	DJ
591-78-6-----	2-Hexanone	270	U
124-48-1-----	Dibromochloromethane	270	U
106-93-4-----	1,2-Dibromoethane	270	U
108-90-7-----	Chlorobenzene	270	U
630-20-6-----	1,1,1,2-Tetrachloroethane	270	U
100-41-4-----	Ethylbenzene	270	U
-----	m,p-Xylene	270	U
95-47-6-----	o-Xylene	270	U
1330-20-7-----	Xylene (Total)	270	U
100-42-5-----	Styrene	270	U
75-25-2-----	Bromoform	270	U
98-82-8-----	Isopropylbenzene	270	U
79-34-5-----	1,1,2,2-Tetrachloroethane	270	U
108-86-1-----	Bromobenzene	270	U
96-18-4-----	1,2,3-Trichloropropane	270	U
103-65-1-----	n-Propylbenzene	270	U
95-49-8-----	2-Chlorotoluene	270	U
108-67-8-----	1,3,5-Trimethylbenzene	270	U
106-43-4-----	4-Chlorotoluene	270	U
98-06-6-----	tert-Butylbenzene	270	U
95-63-6-----	1,2,4-Trimethylbenzene	270	U
135-98-8-----	sec-Butylbenzene	270	U
99-87-6-----	4-Isopropyltoluene	270	U
541-73-1-----	1,3-Dichlorobenzene	270	U
106-46-7-----	1,4-Dichlorobenzene	270	U
104-51-8-----	n-Butylbenzene	270	U
95-50-1-----	1,2-Dichlorobenzene	270	U
96-12-8-----	1,2-Dibromo-3-chloropropane	270	U
120-82-1-----	1,2,4-Trichlorobenzene	270	U
87-68-3-----	Hexachlorobutadiene	270	U
91-20-3-----	Naphthalene	270	U
87-61-6-----	1,2,3-Trichlorobenzene	270	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03SOUTHWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-02ADL

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

Lab File ID: V6C5550

Level: (low/med) MED

Date Received: 04/03/03

% Moisture: not dec. 15

Date Analyzed: 04/08/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.70	160	JD
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03WESTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-01A

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

Lab File ID: V1F3375

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 27

Date Analyzed: 04/04/03

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	34	U
74-87-3	Chloromethane	34	U
75-01-4	Vinyl Chloride	34	U
74-83-9	Bromomethane	34	U
75-00-3	Chloroethane	34	U
75-69-4	Trichlorofluoromethane	34	U
75-35-4	1,1-Dichloroethene	34	U
67-64-1	Acetone	34	U
74-88-4	Iodomethane	34	U
75-15-0	Carbon Disulfide	34	U
75-09-2	Methylene Chloride	19	JB
156-60-5	trans-1,2-Dichloroethene	34	U
1634-04-4	Methyl tert-butyl ether	34	U
75-34-3	1,1-Dichloroethane	34	U
108-05-4	Vinyl acetate	34	U
78-93-3	2-Butanone	34	U
156-59-2	cis-1,2-Dichloroethene	360	
590-20-7	2,2-Dichloropropane	34	U
74-97-5	Bromochloromethane	34	U
67-66-3	Chloroform	34	U
71-55-6	1,1,1-Trichloroethane	34	U
563-58-6	1,1-Dichloropropene	34	U
56-23-5	Carbon Tetrachloride	34	U
107-06-2	1,2-Dichloroethane	34	U
71-43-2	Benzene	34	U
79-01-6	Trichloroethene	6600	E
78-87-5	1,2-Dichloropropane	34	U
74-95-3	Dibromomethane	34	U
75-27-4	Bromodichloromethane	34	U
10061-01-5	cis-1,3-Dichloropropene	34	U
108-10-1	4-Methyl-2-pentanone	34	U
108-88-3	Toluene	8	J
10061-02-6	trans-1,3-Dichloropropene	34	U
79-00-5	1,1,2-Trichloroethane	22	J

7600 D

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03WESTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-01A

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

Lab File ID: V1F3375

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 27

Date Analyzed: 04/04/03

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	UG/KG	Q
142-28-9	1,3-Dichloropropane	34	U
127-18-4	Tetrachloroethene	38	U
591-78-6	2-Hexanone	34	U
124-48-1	Dibromochloromethane	34	U
106-93-4	1,2-Dibromoethane	34	U
108-90-7	Chlorobenzene	34	U
630-20-6	1,1,1,2-Tetrachloroethane	34	U
100-41-4	Ethylbenzene	8	J
	m,p-Xylene	25	J
95-47-6	o-Xylene	10	J
1330-20-7	Xylene (Total)	35	U
100-42-5	Styrene	34	U
75-25-2	Bromoform	34	U
98-82-8	Isopropylbenzene	34	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
108-86-1	Bromobenzene	34	U
96-18-4	1,2,3-Trichloropropane	34	U
103-65-1	n-Propylbenzene	34	U
95-49-8	2-Chlorotoluene	34	U
108-67-8	1,3,5-Trimethylbenzene	34	U
106-43-4	4-Chlorotoluene	34	U
98-06-6	tert-Butylbenzene	34	U
95-63-6	1,2,4-Trimethylbenzene	34	U
135-98-8	sec-Butylbenzene	34	U
99-87-6	4-Isopropyltoluene	34	U
541-73-1	1,3-Dichlorobenzene	34	U
106-46-7	1,4-Dichlorobenzene	34	U
104-51-8	n-Butylbenzene	34	U
95-50-1	1,2-Dichlorobenzene	34	U
96-12-8	1,2-Dibromo-3-chloropropane	34	U
120-82-1	1,2,4-Trichlorobenzene	34	U
87-68-3	Hexachlorobutadiene	34	U
91-20-3	Naphthalene	34	U
87-61-6	1,2,3-Trichlorobenzene	34	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03WESTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-01A

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

Lab File ID: V1F3375

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 27

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.39	190	J
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03WESTWDL

Lab Name: MITKEM CORPORATION	Contract:
Lab Code: MITKEM	Case No.:
Matrix: (soil/water) SOIL	SAS No.:
Sample wt/vol: 5.7 (g/mL) G	SDG No.: B0524
Level: (low/med) MED	Lab Sample ID: B0524-01ADL
% Moisture: not dec. 27	Lab File ID: V6C5549
GC Column: DB-624	ID: 0.25 (mm)
Soil Extract Volume: 5 (mL)	Date Received: 04/03/03
	Date Analyzed: 04/08/03
	Dilution Factor: 1.0
	Soil Aliquot Volume: 100.0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	300	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	300	U
74-83-9	Bromomethane	300	U
75-00-3	Chloroethane	300	U
75-69-4	Trichlorofluoromethane	300	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	300	U
74-88-4	Iodomethane	300	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	300	U
156-60-5	trans-1,2-Dichloroethene	300	U
1634-04-4	Methyl tert-butyl ether	300	U
75-34-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl acetate	300	U
78-93-3	2-Butanone	300	U
156-59-2	cis-1,2-Dichloroethene	240	DJ
590-20-7	2,2-Dichloropropane	300	U
74-97-5	Bromochloromethane	300	U
67-66-3	Chloroform	300	U
71-55-6	1,1,1-Trichloroethane	300	U
563-58-6	1,1-Dichloropropene	300	U
56-23-5	Carbon Tetrachloride	300	U
107-06-2	1,2-Dichloroethane	300	U
71-43-2	Benzene	300	U
79-01-6	Trichloroethene	7600	D
78-87-5	1,2-Dichloropropane	300	U
74-95-3	Dibromomethane	300	U
75-27-4	Bromodichloromethane	300	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-pentanone	300	U
108-88-3	Toluene	300	U
10061-02-6	trans-1,3-Dichloropropene	300	U
79-00-5	1,1,2-Trichloroethane	300	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03WESTWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-01ADL

Sample wt/vol: 5.7 (g/mL) G

Lab File ID: V6C5549

Level: (low/med) MED

Date Received: 04/03/03

% Moisture: not dec. 27

Date Analyzed: 04/08/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9-----	1,3-Dichloropropane	300	U
127-18-4-----	Tetrachloroethene	100	DJ
591-78-6-----	2-Hexanone	300	U
124-48-1-----	Dibromochloromethane	300	U
106-93-4-----	1,2-Dibromoethane	300	U
108-90-7-----	Chlorobenzene	300	U
630-20-6-----	1,1,1,2-Tetrachloroethane	300	U
100-41-4-----	Ethylbenzene	300	U
-----	m,p-Xylene	300	U
95-47-6-----	o-Xylene	300	U
1330-20-7-----	Xylene (Total)	300	U
100-42-5-----	Styrene	300	U
75-25-2-----	Bromoform	300	U
98-82-8-----	Isopropylbenzene	300	U
79-34-5-----	1,1,2,2-Tetrachloroethane	300	U
108-86-1-----	Bromobenzene	300	U
96-18-4-----	1,2,3-Trichloropropane	300	U
103-65-1-----	n-Propylbenzene	300	U
95-49-8-----	2-Chlorotoluene	300	U
108-67-8-----	1,3,5-Trimethylbenzene	300	U
106-43-4-----	4-Chlorotoluene	300	U
98-06-6-----	tert-Butylbenzene	300	U
95-63-6-----	1,2,4-Trimethylbenzene	300	U
135-98-8-----	sec-Butylbenzene	300	U
99-87-6-----	4-Isopropyltoluene	300	U
541-73-1-----	1,3-Dichlorobenzene	300	U
106-46-7-----	1,4-Dichlorobenzene	300	U
104-51-8-----	n-Butylbenzene	300	U
95-50-1-----	1,2-Dichlorobenzene	300	U
96-12-8-----	1,2-Dibromo-3-chloropropane	300	U
120-82-1-----	1,2,4-Trichlorobenzene	300	U
87-68-3-----	Hexachlorobutadiene	300	U
91-20-3-----	Naphthalene	300	U
87-61-6-----	1,2,3-Trichlorobenzene	300	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03WESTWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-01ADL

Sample wt/vol: 5.7 (g/mL) G

Lab File ID: V6C5549

Level: (low/med) MED

Date Received: 04/03/03

% Moisture: not dec. 27

Date Analyzed: 04/08/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

C2-PEAT

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0524

Matrix: (soil/water) SOIL Lab Sample ID: B0524-07A

Sample wt/vol: 0.8 (g/mL) G Lab File ID: V1F3347

Level: (low/med) LOW Date Received: 04/03/03

% Moisture: not dec. 85 Date Analyzed: 04/04/03

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	210	U
74-87-3	Chloromethane	210	U
75-01-4	Vinyl Chloride	72	J
74-83-9	Bromomethane	210	U
75-00-3	Chloroethane	210	U
75-69-4	Trichlorofluoromethane	210	U
75-35-4	1,1-Dichloroethene	210	U
67-64-1	Acetone	1100	
74-88-4	Iodomethane	210	U
75-15-0	Carbon Disulfide	90	J
75-09-2	Methylene Chloride	60	JB
156-60-5	trans-1,2-Dichloroethene	130	J
1634-04-4	Methyl tert-butyl ether	210	U
75-34-3	1,1-Dichloroethane	210	U
108-05-4	Vinyl acetate	210	U
78-93-3	2-Butanone	210	U
156-59-2	cis-1,2-Dichloroethene	18000	E
590-20-7	2,2-Dichloropropane	210	U
74-97-5	Bromochloromethane	210	U
67-66-3	Chloroform	210	U
71-55-6	1,1,1-Trichloroethane	210	U
563-58-6	1,1-Dichloropropene	210	U
56-23-5	Carbon Tetrachloride	210	U
107-06-2	1,2-Dichloroethane	210	U
71-43-2	Benzene	210	U
79-01-6	Trichloroethene	19000	E
78-87-5	1,2-Dichloropropane	210	U
74-95-3	Dibromomethane	210	U
75-27-4	Bromodichloromethane	210	U
10061-01-5	cis-1,3-Dichloropropene	210	U
108-10-1	4-Methyl-2-pentanone	210	U
108-88-3	Toluene	210	U
10061-02-6	trans-1,3-Dichloropropene	210	U
79-00-5	1,1,2-Trichloroethane	210	U

8500 B

7100 B

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C2-PEAT

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-07A

Sample wt/vol: 0.8 (g/mL) G

Lab File ID: V1F3347

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 85

Date Analyzed: 04/04/03

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	210	U
127-18-4-----	Tetrachloroethene	180	J
591-78-6-----	2-Hexanone	210	U
124-48-1-----	Dibromochloromethane	210	U
106-93-4-----	1,2-Dibromoethane	210	U
108-90-7-----	Chlorobenzene	210	U
630-20-6-----	1,1,1,2-Tetrachloroethane	210	U
100-41-4-----	Ethylbenzene	210	U
-----	m,p-Xylene	210	U
95-47-6-----	o-Xylene	210	U
1330-20-7-----	Xylene (Total)	210	U
100-42-5-----	Styrene	210	U
75-25-2-----	Bromoform	210	U
98-82-8-----	Isopropylbenzene	210	U
79-34-5-----	1,1,2,2-Tetrachloroethane	210	U
108-86-1-----	Bromobenzene	210	U
96-18-4-----	1,2,3-Trichloropropane	210	U
103-65-1-----	n-Propylbenzene	210	U
95-49-8-----	2-Chlorotoluene	210	U
108-67-8-----	1,3,5-Trimethylbenzene	210	U
106-43-4-----	4-Chlorotoluene	210	U
98-06-6-----	tert-Butylbenzene	210	U
95-63-6-----	1,2,4-Trimethylbenzene	210	U
135-98-8-----	sec-Butylbenzene	210	U
99-87-6-----	4-Isopropyltoluene	210	U
541-73-1-----	1,3-Dichlorobenzene	210	U
106-46-7-----	1,4-Dichlorobenzene	210	U
104-51-8-----	n-Butylbenzene	210	U
95-50-1-----	1,2-Dichlorobenzene	210	U
96-12-8-----	1,2-Dibromo-3-chloropropane	210	U
120-82-1-----	1,2,4-Trichlorobenzene	210	U
87-68-3-----	Hexachlorobutadiene	210	U
91-20-3-----	Naphthalene	210	U
87-61-6-----	1,2,3-Trichlorobenzene	210	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C2-PEAT

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-07A

Sample wt/vol: 0.8 (g/mL) G

Lab File ID: V1F3347

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 85

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

.EPA SAMPLE NO.

C2-PEATDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: B0524

Matrix: (soil/water) SOIL Lab Sample ID: B0524-07ADL

Sample wt/vol: 5.5 (g/mL) G Lab File ID: V6C5467

Level: (low/med) MED Date Received: 04/03/03

% Moisture: not dec. 85 Date Analyzed: 04/03/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	1500	U
75-01-4	Vinyl Chloride	1500	U
74-83-9	Bromomethane	1500	U
75-00-3	Chloroethane	1500	U
75-69-4	Trichlorofluoromethane	1500	U
75-35-4	1,1-Dichloroethene	1500	U
67-64-1	Acetone	1500	U
74-88-4	Iodomethane	1500	U
75-15-0	Carbon Disulfide	1500	U
75-09-2	Methylene Chloride	1500	U
156-60-5	trans-1,2-Dichloroethene	1500	U
1634-04-4	Methyl tert-butyl ether	1500	U
75-34-3	1,1-Dichloroethane	1500	U
108-05-4	Vinyl acetate	1500	U
78-93-3	2-Butanone	1500	U
156-59-2	cis-1,2-Dichloroethene	8500	D
590-20-7	2,2-Dichloropropane	1500	U
74-97-5	Bromochloromethane	1500	U
67-66-3	Chloroform	1500	U
71-55-6	1,1,1-Trichloroethane	1500	U
563-58-6	1,1-Dichloropropene	1500	U
56-23-5	Carbon Tetrachloride	1500	U
107-06-2	1,2-Dichloroethane	1500	U
71-43-2	Benzene	1500	U
79-01-6	Trichloroethene	7100	D
78-87-5	1,2-Dichloropropane	1500	U
74-95-3	Dibromomethane	1500	U
75-27-4	Bromodichloromethane	1500	U
10061-01-5	cis-1,3-Dichloropropene	1500	U
108-10-1	4-Methyl-2-pentanone	1500	U
108-88-3	Toluene	1500	U
10061-02-6	trans-1,3-Dichloropropene	1500	U
79-00-5	1,1,2-Trichloroethane	1500	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C2-PEATDL

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0524
 Matrix: (soil/water) SOIL Lab Sample ID: B0524-07ADL
 Sample wt/vol: 5.5 (g/mL) G Lab File ID: V6C5467
 Level: (low/med) MED Date Received: 04/03/03
 % Moisture: not dec. 85 Date Analyzed: 04/03/03
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	UG/KG	Q
142-28-9	1,3-Dichloropropane	1500	U
127-18-4	Tetrachloroethene	1500	U
591-78-6	2-Hexanone	1500	U
124-48-1	Dibromochloromethane	1500	U
106-93-4	1,2-Dibromoethane	1500	U
108-90-7	Chlorobenzene	1500	U
630-20-6	1,1,1,2-Tetrachloroethane	1500	U
100-41-4	Ethylbenzene	1500	U
	m,p-Xylene	1500	U
95-47-6	o-Xylene	1500	U
1330-20-7	Xylene (Total)	1500	U
100-42-5	Styrene	1500	U
75-25-2	Bromoform	1500	U
98-82-8	Isopropylbenzene	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	1500	U
108-86-1	Bromobenzene	1500	U
96-18-4	1,2,3-Trichloropropane	1500	U
103-65-1	n-Propylbenzene	1500	U
95-49-8	2-Chlorotoluene	1500	U
108-67-8	1,3,5-Trimethylbenzene	1500	U
106-43-4	4-Chlorotoluene	1500	U
98-06-6	tert-Butylbenzene	1500	U
95-63-6	1,2,4-Trimethylbenzene	1500	U
135-98-8	sec-Butylbenzene	1500	U
99-87-6	4-Isopropyltoluene	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
104-51-8	n-Butylbenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
96-12-8	1,2-Dibromo-3-chloropropane	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
87-68-3	Hexachlorobutadiene	1500	U
91-20-3	Naphthalene	1500	U
87-61-6	1,2,3-Trichlorobenzene	1500	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C2-PEATDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-07ADL

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V6C5467

Level: (low/med) MED

Date Received: 04/03/03

% Moisture: not dec. 85

Date Analyzed: 04/03/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.70	2000	JD
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C2CLEAN

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0524
 Matrix: (soil/water) SOIL Lab Sample ID: B0524-08A
 Sample wt/vol: 1.0 (g/mL) G Lab File ID: V1F3378
 Level: (low/med) LOW Date Received: 04/03/03
 % Moisture: not dec. 18 Date Analyzed: 04/04/03
 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	14	JB
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	23	J
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	840	
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C2CLEAN

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-08A

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

Lab File ID: V1F3378

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 18

Date Analyzed: 04/04/03

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	30	U
127-18-4-----	Tetrachloroethene	13	J
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	30	U
-----	m,p-Xylene	30	U
95-47-6-----	o-Xylene	30	U
1330-20-7-----	Xylene (Total)	30	U
100-42-5-----	Styrene	30	U
75-25-2-----	Bromoform	30	U
98-82-8-----	Isopropylbenzene	30	U
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	30	U
95-49-8-----	2-Chlorotoluene	30	U
108-67-8-----	1,3,5-Trimethylbenzene	30	U
106-43-4-----	4-Chlorotoluene	30	U
98-06-6-----	tert-Butylbenzene	30	U
95-63-6-----	1,2,4-Trimethylbenzene	30	U
135-98-8-----	sec-Butylbenzene	30	U
99-87-6-----	4-Isopropyltoluene	30	U
541-73-1-----	1,3-Dichlorobenzene	30	U
106-46-7-----	1,4-Dichlorobenzene	30	U
104-51-8-----	n-Butylbenzene	30	U
95-50-1-----	1,2-Dichlorobenzene	30	U
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	30	U
87-61-6-----	1,2,3-Trichlorobenzene	30	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C2CLEAN

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-08A

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

Lab File ID: V1F3378

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 18

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

C2FLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-06A

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

Lab File ID: V1F3346

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 16

Date Analyzed: 04/04/03

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

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	2	JB
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	200	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	38	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

C2FLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-06A

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

Lab File ID: V1F3346

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 16

Date Analyzed: 04/04/03

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	6 U
127-18-4-----	Tetrachloroethene	12
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	6 U
95-47-6-----	o-Xylene	6 U
1330-20-7-----	Xylene (Total)	6 U
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	6 U
106-43-4-----	4-Chlorotoluene	6 U
98-06-6-----	tert-Butylbenzene	6 U
95-63-6-----	1,2,4-Trimethylbenzene	6 U
135-98-8-----	sec-Butylbenzene	6 U
99-87-6-----	4-Isopropyltoluene	6 U
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	6 U
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 U
87-61-6-----	1,2,3-Trichlorobenzene	6 U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

C2FLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0524

Matrix: (soil/water) SOIL

Lab Sample ID: B0524-06A

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

Lab File ID: V1F3346

Level: (low/med) LOW

Date Received: 04/03/03

% Moisture: not dec. 16

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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19.				
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23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				



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

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO																																																																																																								
COMPANY EARTH TECH		PHONE 518-951-2200	COMPANY SAME			PHONE																																																																																																				
NAME Keith Decker / Will Lindheimer		FAX 518-951-2300	NAME			FAX																																																																																																				
ADDRESS 40 British American Blvd		ADDRESS				TURNAROUND TIME:																																																																																																				
CITY/STATE/ZIP Iatken NY 12110		CITY/STATE/ZIP				LAB PROJECT # BOS24																																																																																																				
CLIENT PROJECT #		CLIENT PROJECT #		REQUESTED ANALYSES																																																																																																						
Policom		32375	32375	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SAMPLE IDENTIFICATION</th> <th>DATE/TIME SAMPLED</th> <th>COMPOSITE</th> <th>GRAB</th> <th>WATER</th> <th>SOIL</th> <th>OTHER</th> <th>LAB ID</th> <th>NO. OF CONTAINERS</th> <th>COMMENTS</th> </tr> <tr> <td>EXCAV-03-Westw</td> <td>4:2</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td>-01</td> <td>1</td> <td>24 HR TAT</td> </tr> <tr> <td>EXCAV-03-Southw</td> <td>"</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td>-02</td> <td>1</td> <td>"</td> </tr> <tr> <td>EXCAV-03-Northw</td> <td>"</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td>-03</td> <td>1</td> <td>"</td> </tr> <tr> <td>EXCAV-03-Eastw</td> <td>"</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td>-04</td> <td>1</td> <td>"</td> </tr> <tr> <td>EXCAV-03-Floor</td> <td>"</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td>-05</td> <td>1</td> <td>"</td> </tr> <tr> <td>EXCAV-C2-Floor</td> <td>"</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td>-04</td> <td>1</td> <td>"</td> </tr> <tr> <td>C2-Peat</td> <td>"</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td>-07</td> <td>1</td> <td>RUSH RESULTS!!!</td> </tr> <tr> <td>SP-03/c2-clearw</td> <td>"</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td>-08</td> <td>1</td> <td>24 HR TAT</td> </tr> <tr> <td>SP-03/c2-wc</td> <td>"</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td>-9</td> <td>1</td> <td>"</td> </tr> </table>			SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	NO. OF CONTAINERS	COMMENTS	EXCAV-03-Westw	4:2	X	X				-01	1	24 HR TAT	EXCAV-03-Southw	"	X	X				-02	1	"	EXCAV-03-Northw	"	X	X				-03	1	"	EXCAV-03-Eastw	"	X	X				-04	1	"	EXCAV-03-Floor	"	X	X				-05	1	"	EXCAV-C2-Floor	"	X	X				-04	1	"	C2-Peat	"	X	X				-07	1	RUSH RESULTS!!!	SP-03/c2-clearw	"	X	X				-08	1	24 HR TAT	SP-03/c2-wc	"	X	X				-9	1	"
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EXCAV-03-Westw	4:2	X	X							-01	1	24 HR TAT																																																																																														
EXCAV-03-Southw	"	X	X							-02	1	"																																																																																														
EXCAV-03-Northw	"	X	X							-03	1	"																																																																																														
EXCAV-03-Eastw	"	X	X							-04	1	"																																																																																														
EXCAV-03-Floor	"	X	X							-05	1	"																																																																																														
EXCAV-C2-Floor	"	X	X							-04	1	"																																																																																														
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RELEASING BY:		DATE/TIME	DATE/TIME	ADDITIONAL REMARKS:																																																																																																						
Will Lindheimer		6:00	4:12:03	Please Rush C2-PEAT																																																																																																						
00007		/	/	Result by 4:30.2.400 PM?																																																																																																						
		/	/	Call Will @ 518-669-9537																																																																																																						

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

Mitkem Corporation

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

Project Name: **NYSDEC Pelican Site**

SDG: **B0548**

<u>Customer Sample ID</u>	<u>Laboratory Sample ID</u>	Analytical Requirements				
		<u>VOA GC/MS Method #</u>	<u>SVOA GC/MS Method #</u>	<u>Pest/PCB Method #</u>	<u>Metals</u>	<u>Other</u>
TANKNORTHW	B0548-01	8260	8270			
TANKEASTW	B0548-02	8260	8270			
TANKSOUTHW	B0548-03	8260	8270			
TANKWESTW	B0548-04	8260	8270			
TANKFLOOR	B0548-05	8260	8270			
TANKWC	B0548-06	8260	8270			

Analytical Data Package for Earth Tech.

Client Project: Pelican – NYSDEC, 32375

SDG# B0548

Mitkem Project ID: B0548

April 30, 2003

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Pelican project. Under this deliverable, analysis results are presented for six soil samples that were collected on April 7, 2003, and received at Mitkem on April 8, 2003. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample identifications were shortened where necessary due to limitations in the software used to generate CLP-type report forms. A table of sample identifications showing full client ID, shortened client ID and laboratory ID follows this narrative, along with the Mitkem Work Order.

The analyses were performed according to NYSDEC ASP protocols (October 1995 update) and reported per NYSDEC ASP requirement for Category B deliverable.

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

1. Overall Observation:

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

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

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

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

000001

Lab control sample/lab control sample duplicate: spike recoveries were within the QC limits with the exception of high recovery of chloroethane and low recovery of methyl tert-butyl ether in V1QLCS and low recovery of n-propylbenzene in V5RLCS, V5RLCSD and V5TLCS. Replicate RPDs were within the QC limits.

Sample analysis: due to high concentration of target analytes, samples TANKNORTHW and TANKWC were re-analyzed at dilution. The initial analysis and re-analysis at dilution did not compare well. This is probably due to sample heterogeneity. No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

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

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

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

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



Agnes Ng
CLP Project Manager
04/30/03

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: B0548

Client Name: Earth Tech

<i>Mitkem Sample ID</i>	<i>Reported Client Sample ID</i>	<i>Full Client Sample ID</i>
B0548-01A	TANKNORTHW	EXCAV-TANK-NORTHW
B0548-01B	TANKNORTHW	EXCAV-TANK-NORTHW
B0548-02A	TANKEASTW	EXCAV-TANK-EASTW
B0548-02B	TANKEASTW	EXCAV-TANK-EASTW
B0548-03B	TANKSOUTHW	EXCAV-TANK-SOUTHW
B0548-03C	TANKSOUTHW	EXCAV-TANK-SOUTHW
B0548-04A	TANKWESTW	EXCAV-TANK-WESTW
B0548-04B	TANKWESTW	EXCAV-TANK-WESTW
B0548-05A	TANKFLOOR	EXCAV-TANK-FLOR
B0548-05B	TANKFLOOR	EXCAV-TANK-FLOR
B0548-06A	TANKWC	SP-TANK-WC
B0548-06B	TANKWC	SP-TANK-WC

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

000003

Mitkem Corporation

08/Apr/03 10:07

WorkOrder: B0548

Client ID: EARTH_NY
 Project: NYSDEC Pelican Site
 Location: 32375
 Comments: N/A

Case:
 SDG:
 PO:

Report Level: ASP-B
 EDD: XL
 HC Due: 04/22/03
 Fax Due: 04/09/03

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Hold	MS	SEL	Storage
B0548-01A	TANKNORTHW	04/07/03 16:00	04/08/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1
B0548-01B	TANKNORTHW	04/07/03 16:00	04/08/03	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0548-02A	TANKEASTW	04/07/03 16:00	04/08/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1
B0548-02B	TANKEASTW	04/07/03 16:00	04/08/03	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0548-03B	TANKSOUTHW	04/07/03 16:00	04/08/03	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0548-03C	TANKSOUTHW	04/07/03 16:00	04/08/03	Soil	SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1
B0548-04A	TANKWESTW	04/07/03 16:00	04/08/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1
					SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1
B0548-04B	TANKWESTW	04/07/03 16:00	04/08/03	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

000004

Client Rep: Paul A Senecal

Client ID: EARTH_NY

Project: NYSDEC Pelican Site

Location: 32375

Comments: N/A

Case:

SDG:

PO:

Report Level: ASP-B

EDD: XL

HC Due: 04/22/03

Fax Due: 04/09/03

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Hold	MS	SEL	Storage
B0548-05A	TANKFLOOR	04/07/03 16:00	04/08/03	Soil	PMoist	SW8270C_S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1
B0548-05B	TANKFLOOR	04/07/03 16:00	04/08/03	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0548-06A	TANKWC	04/07/03 16:00	04/08/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1
B0548-06B	TANKWC	04/07/03 16:00	04/08/03	Soil	SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1
B0548-06B	TANKWC	04/07/03 16:00	04/08/03	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

000005

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKEASTW

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0548
 Matrix: (soil/water) SOIL Lab Sample ID: B0548-02B
 Sample wt/vol: 5.2 (g/mL) G Lab File ID: V5E5607
 Level: (low/med) LOW Date Received: 04/08/03
 % Moisture: not dec. 11 Date Analyzed: 04/09/03
 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	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.

TANKEASTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-02B

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

Lab File ID: V5E5607

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 11

Date Analyzed: 04/09/03

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
1330-20-7	Xylene (Total)	2 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	5 U
106-43-4	4-Chlorotoluene	5 U
98-06-6	tert-Butylbenzene	5 U
95-63-6	1,2,4-Trimethylbenzene	3 J
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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TANKEASTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-02B

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

Lab File ID: V5E5607

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 11

Date Analyzed: 04/09/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	11.07	10	NJ
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKFLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-05B

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

Lab File ID: V5E5662

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 11

Date Analyzed: 04/10/03

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	8	
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	2	J
79-01-6	Trichloroethene	3	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	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.

TANKFLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-05B

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

Lab File ID: V5E5662

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 11

Date Analyzed: 04/10/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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
1330-20-7-----	Xylene (Total)	5	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	5	U
106-43-4-----	4-Chlorotoluene	5	U
98-06-6-----	tert-Butylbenzene	5	U
95-63-6-----	1,2,4-Trimethylbenzene	2	J
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

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TANKFLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-05B

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

Lab File ID: V5E5662

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 11

Date Analyzed: 04/10/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.13	30	J
2.	BRANCHED ALKANE	2.69	13	J
3.	UNKNOWN	2.96	19	J
4.	BRANCHED ALKANE	3.91	7	J
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKNORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-01B

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

Lab File ID: V5E5606

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 23

Date Analyzed: 04/08/03

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

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	33
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	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	13
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKNORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-01B

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

Lab File ID: V5E5606

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 23

Date Analyzed: 04/08/03

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	4	J	
1330-20-7	Xylene (Total)	910	E	130D
100-42-5	Styrene	6	U	
75-25-2	Bromoform	6	U	
98-82-8	Isopropylbenzene	24		
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	72		
95-49-8	2-Chlorotoluene	6	U	
108-67-8	1,3,5-Trimethylbenzene	310	E	430D
106-43-4	4-Chlorotoluene	6	U	
98-06-6	tert-Butylbenzene	6	U	
95-63-6	1,2,4-Trimethylbenzene	1100	E	400D
135-98-8	sec-Butylbenzene	6	U	
99-87-6	4-Isopropyltoluene	6	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	6	U	
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	17		
87-61-6	1,2,3-Trichlorobenzene	6	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TANKNORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-01B

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

Lab File ID: V5E5606

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 23

Date Analyzed: 04/08/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	STRAIGHT-CHAIN ALKANE	2.95	15	J
2.	BRANCHED ALKANE	3.92	38	J
3.	BRANCHED ALKANE	4.17	27	J
4.	STRAIGHT-CHAIN ALKANE	4.43	29	J
5.	CYCLIC ALKANE	5.04	56	J
6.	BRANCHED ALKANE	5.64	23	J
7.	CYCLIC ALKANE	5.70	34	J
8.	BRANCHED ALKANE	5.82	34	J
9.	UNKNOWN	6.05	13	J
10.	CYCLIC ALKANE	6.84	37	J
11.	CYCLIC ALKANE	7.03	12	J
12.	UNKNOWN	7.40	13	J
13.	UNKNOWN	7.46	22	J
14.	UNKNOWN	7.62	25	J
15.	UNKNOWN	8.08	17	J
16.	UNKNOWN	11.07	59	JB
17. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	11.24	260	NJ
18. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	11.58	340	NJ
19. 95-36-3	1,2,4-TRIMETHYLBENZENE	12.30	250	NJ
20.	UNKNOWN	12.55	270	J
21. 105-05-5	BENZENE, 1,4-DIETHYL-	12.65	150	NJ
22. 1074-55-1	BENZENE, 1-METHYL-4-PROPYL-	12.88	33	NJ
23. 933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	12.99	62	NJ
24.	UNKNOWN	13.02	69	J
25. 535-77-3	BENZENE, 1-METHYL-3-(1-METHY	13.12	100	NJ
26. 768-49-0	BENZENE, (2-METHYL-1-PROPENY	13.26	59	NJ
27. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.60	52	NJ
28. 527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	13.67	78	NJ
29. 2039-89-6	BENZENE, 2-ETHENYL-1,4-DIMET	13.99	30	NJ
30. 824-22-6	1H-INDENE, 2,3-DIHYDRO-4-MET	14.19	72	NJ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKNORTHWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-01BDL

Sample wt/vol: 0.7 (g/mL) G

Lab File ID: V1F3636

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 23

Date Analyzed: 04/16/03

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

75-71-8-----	Dichlorodifluoromethane	46	U
74-87-3-----	Chloromethane	46	U
75-01-4-----	Vinyl Chloride	46	U
74-83-9-----	Bromomethane	46	U
75-00-3-----	Chloroethane	46	U
75-69-4-----	Trichlorofluoromethane	46	U
75-35-4-----	1,1-Dichloroethene	46	U
67-64-1-----	Acetone	46	U
74-88-4-----	Iodomethane	46	U
75-15-0-----	Carbon Disulfide	22	DBJ
75-09-2-----	Methylene Chloride	46	U
156-60-5-----	trans-1,2-Dichloroethene	46	U
1634-04-4-----	Methyl tert-butyl ether	46	U
75-34-3-----	1,1-Dichloroethane	46	U
108-05-4-----	Vinyl acetate	46	U
78-93-3-----	2-Butanone	46	U
156-59-2-----	cis-1,2-Dichloroethene	46	U
590-20-7-----	2,2-Dichloropropane	46	U
74-97-5-----	Bromochloromethane	46	U
67-66-3-----	Chloroform	46	U
71-55-6-----	1,1,1-Trichloroethane	46	U
563-58-6-----	1,1-Dichloropropene	46	U
56-23-5-----	Carbon Tetrachloride	46	U
107-06-2-----	1,2-Dichloroethane	46	U
71-43-2-----	Benzene	21	DJ
79-01-6-----	Trichloroethene	46	U
78-87-5-----	1,2-Dichloropropane	46	U
74-95-3-----	Dibromomethane	46	U
75-27-4-----	Bromodichloromethane	46	U
10061-01-5-----	cis-1,3-Dichloropropene	46	U
108-10-1-----	4-Methyl-2-pentanone	46	U
108-88-3-----	Toluene	31	DJ
10061-02-6-----	trans-1,3-Dichloropropene	46	U
79-00-5-----	1,1,2-Trichloroethane	46	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKNORTHWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-01BDL

Sample wt/vol: 0.7 (g/mL) G

Lab File ID: VIF3636

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 23

Date Analyzed: 04/16/03

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	46	U
127-18-4-----	Tetrachloroethene	46	U
591-78-6-----	2-Hexanone	46	U
124-48-1-----	Dibromochloromethane	46	U
106-93-4-----	1,2-Dibromoethane	46	U
108-90-7-----	Chlorobenzene	46	U
630-20-6-----	1,1,1,2-Tetrachloroethane	46	U
100-41-4-----	Ethylbenzene	46	U
-----	m,p-Xylene	130	D
95-47-6-----	o-Xylene	46	U
1330-20-7-----	Xylene (Total)	130	D
100-42-5-----	Styrene	46	U
75-25-2-----	Bromoform	46	U
98-82-8-----	Isopropylbenzene	14	DJ
79-34-5-----	1,1,2,2-Tetrachloroethane	46	U
108-86-1-----	Bromobenzene	46	U
96-18-4-----	1,2,3-Trichloropropane	46	U
103-65-1-----	n-Propylbenzene	51	D
95-49-8-----	2-Chlorotoluene	46	U
108-67-8-----	1,3,5-Trimethylbenzene	430	D
106-43-4-----	4-Chlorotoluene	46	U
98-06-6-----	tert-Butylbenzene	46	U
95-63-6-----	1,2,4-Trimethylbenzene	400	D
135-98-8-----	sec-Butylbenzene	17	DJ
99-87-6-----	4-Isopropyltoluene	46	U
541-73-1-----	1,3-Dichlorobenzene	46	U
106-46-7-----	1,4-Dichlorobenzene	46	U
104-51-8-----	n-Butylbenzene	46	U
95-50-1-----	1,2-Dichlorobenzene	46	U
96-12-8-----	1,2-Dibromo-3-chloropropane	46	U
120-82-1-----	1,2,4-Trichlorobenzene	46	U
87-68-3-----	Hexachlorobutadiene	46	U
91-20-3-----	Naphthalene	63	D
87-61-6-----	1,2,3-Trichlorobenzene	46	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TANKNORTHWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-01BDL

Sample wt/vol: 0.7 (g/mL) G

Lab File ID: V1F3636

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 23

Date Analyzed: 04/16/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 19

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.39	260	JD
2.	UNKNOWN	9.24	210	JD
3. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	11.50	130	NJD
4. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	11.85	420	NJD
5. 95-36-3	1,2,4-TRIMETHYLBENZENE	12.56	420	NJD
6. 496-11-7	INDANE	12.78	370	NJD
7. 1758-88-9	BENZENE, 2-ETHYL-1,4-DIMETHY	12.91	420	NJD
8. 135-98-8	BENZENE, (1-METHYLPROPYL) -	13.11	100	NJD
9. 99-87-6	BENZENE, 1-METHYL-4- (1-METHY	13.25	180	NJD
10. 933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	13.33	320	NJD
11. 767-58-8	INDAN, 1-METHYL-	13.45	190	NJD
12. 933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	13.67	66	NJD
13. 488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	13.78	150	NJD
14. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	13.83	260	NJD
15.	UNKNOWN	14.00	77	JD
16. 3333-13-9	BENZENE, 1-METHYL-4- (2-PROPE	14.13	55	NJD
17.	UNKNOWN	14.28	330	JD
18.	UNKNOWN	14.42	50	JD
19.	UNKNOWN	14.71	160	JD
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKSOUTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-03B

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

Lab File ID: V5E5608

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 8

Date Analyzed: 04/09/03

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	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.

TANKSOUTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-03B

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

Lab File ID: V5E5608

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 8

Date Analyzed: 04/09/03

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
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

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TANKSOUTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-03B

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

Lab File ID: V5E5608

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 8

Date Analyzed: 04/09/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	11.07	11	NJ
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKWC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-06B

Sample wt/vol: 1.9 (g/mL) G

Lab File ID: V5E5611

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 16

Date Analyzed: 04/09/03

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	UG/KG	Q
75-71-8	Dichlorodifluoromethane	16	U
74-87-3	Chloromethane	16	U
75-01-4	Vinyl Chloride	16	U
74-83-9	Bromomethane	16	U
75-00-3	Chloroethane	16	U
75-69-4	Trichlorofluoromethane	16	U
75-35-4	1,1-Dichloroethene	16	U
67-64-1	Acetone	16	U
74-88-4	Iodomethane	16	U
75-15-0	Carbon Disulfide	16	U
75-09-2	Methylene Chloride	16	U
156-60-5	trans-1,2-Dichloroethene	16	U
1634-04-4	Methyl tert-butyl ether	16	U
75-34-3	1,1-Dichloroethane	16	U
108-05-4	Vinyl acetate	16	U
78-93-3	2-Butanone	16	U
156-59-2	cis-1,2-Dichloroethene	16	U
590-20-7	2,2-Dichloropropane	16	U
74-97-5	Bromochloromethane	16	U
67-66-3	Chloroform	16	U
71-55-6	1,1,1-Trichloroethane	16	U
563-58-6	1,1-Dichloropropene	16	U
56-23-5	Carbon Tetrachloride	16	U
107-06-2	1,2-Dichloroethane	16	U
71-43-2	Benzene	16	U
79-01-6	Trichloroethene	16	U
78-87-5	1,2-Dichloropropane	16	U
74-95-3	Dibromomethane	16	U
75-27-4	Bromodichloromethane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
108-10-1	4-Methyl-2-pentanone	16	U
108-88-3	Toluene	7	J
10061-02-6	trans-1,3-Dichloropropene	16	U
79-00-5	1,1,2-Trichloroethane	16	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKWC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-06B

Sample wt/vol: 1.9 (g/mL) G

Lab File ID: V5E5611

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 16

Date Analyzed: 04/09/03

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	16	U	
127-18-4	Tetrachloroethene	16	U	
591-78-6	2-Hexanone	16	U	
124-48-1	Dibromochloromethane	16	U	
106-93-4	1,2-Dibromoethane	16	U	
108-90-7	Chlorobenzene	16	U	
630-20-6	1,1,1,2-Tetrachloroethane	16	U	
100-41-4	Ethylbenzene	420		
1330-20-7	Xylene (Total)	3800	E	1200
100-42-5	Styrene	16	U	
75-25-2	Bromoform	16	U	
98-82-8	Isopropylbenzene	200		
79-34-5	1,1,2,2-Tetrachloroethane	16	U	
108-86-1	Bromobenzene	16	U	
96-18-4	1,2,3-Trichloropropane	16	U	
103-65-1	n-Propylbenzene	590		
95-49-8	2-Chlorotoluene	16	U	
108-67-8	1,3,5-Trimethylbenzene	3200	E	2300
106-43-4	4-Chlorotoluene	16	U	
98-06-6	tert-Butylbenzene	16	U	
95-63-6	1,2,4-Trimethylbenzene	5100	E	2200
135-98-8	sec-Butylbenzene	230		
99-87-6	4-Isopropyltoluene	140		
541-73-1	1,3-Dichlorobenzene	16	U	
106-46-7	1,4-Dichlorobenzene	16	U	
104-51-8	n-Butylbenzene	16	U	
95-50-1	1,2-Dichlorobenzene	16	U	
96-12-8	1,2-Dibromo-3-chloropropane	16	U	
120-82-1	1,2,4-Trichlorobenzene	16	U	
87-68-3	Hexachlorobutadiene	16	U	
91-20-3	Naphthalene	340		
87-61-6	1,2,3-Trichlorobenzene	16	U	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TANKWC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-06B

Sample wt/vol: 1.9 (g/mL) G

Lab File ID: V5E5611

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 16

Date Analyzed: 04/09/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.65	200	J
2.	BRANCHED ALKANE	5.82	300	J
3.	BRANCHED ALKANE	7.47	400	J
4.	UNKNOWN	7.63	470	J
5.	STRAIGHT-CHAIN ALKANE	8.08	220	J
6.	UNKNOWN	8.73	250	J
7.	CYCLIC ALKANE	8.95	160	J
8.	UNKNOWN	9.21	590	J
9.	BRANCHED ALKANE	9.34	490	J
10.	UNKNOWN	10.10	240	J
11.	BRANCHED ALKANE	10.36	240	J
12.	BRANCHED ALKANE	10.47	330	J
13.	UNKNOWN	10.71	340	J
14.	BRANCHED ALKANE	10.95	350	J
15.	620-14-4 BENZENE, 1-ETHYL-3-METHYL-	11.24	950	NJ
16.	611-14-3 BENZENE, 1-ETHYL-2-METHYL-	11.60	410	NJ
17.	538-93-2 BENZENE, (2-METHYLPROPYL) -	11.97	210	NJ
18.	527-84-4 BENZENE, 1-METHYL-2-(1-METHY	12.12	230	NJ
19.	526-73-8 BENZENE, 1,2,3-TRIMETHYL-	12.31	390	NJ
20.	1074-43-7 BENZENE, 1-METHYL-3-PROPYL-	12.58	640	NJ
21.	535-77-3 BENZENE, 1-METHYL-3-(1-METHY	12.66	650	NJ
22.	UNKNOWN	12.99	280	J
23.	874-41-9 BENZENE, 1-ETHYL-2,4-DIMETHY	13.03	280	NJ
24.	99-87-6 BENZENE, 1-METHYL-4-(1-METHY	13.12	490	NJ
25.	UNKNOWN	13.27	310	J
26.	95-93-2 BENZENE, 1,2,4,5-TETRAMETHYL	13.60	360	NJ
27.	488-23-3 BENZENE, 1,2,3,4-TETRAMETHYL	13.67	350	NJ
28.	UNKNOWN	14.20	390	J
29.	4218-48-8 BENZENE, 1-ETHYL-4-(1-METHYL	14.66	260	NJ
30.	54120-62-6 BENZENE, ETHYL-1,2,4-TRIMETH	14.82	220	NJ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKWCDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: B0548

Matrix: (soil/water) SOIL Lab Sample ID: B0548-06BDL

Sample wt/vol: 0.7 (g/mL) G Lab File ID: V1F3637

Level: (low/med) LOW Date Received: 04/08/03

% Moisture: not dec. 16 Date Analyzed: 04/16/03

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	42	U
74-87-3-----	Chloromethane	42	U
75-01-4-----	Vinyl Chloride	42	U
74-83-9-----	Bromomethane	42	U
75-00-3-----	Chloroethane	42	U
75-69-4-----	Trichlorofluoromethane	42	U
75-35-4-----	1,1-Dichloroethene	42	U
67-64-1-----	Acetone	42	U
74-88-4-----	Iodomethane	42	U
75-15-0-----	Carbon Disulfide	12	DBJ
75-09-2-----	Methylene Chloride	42	U
156-60-5-----	trans-1,2-Dichloroethene	42	U
1634-04-4-----	Methyl tert-butyl ether	42	U
75-34-3-----	1,1-Dichloroethane	42	U
108-05-4-----	Vinyl acetate	42	U
78-93-3-----	2-Butanone	42	U
156-59-2-----	cis-1,2-Dichloroethene	42	U
590-20-7-----	2,2-Dichloropropane	42	U
74-97-5-----	Bromochloromethane	42	U
67-66-3-----	Chloroform	42	U
71-55-6-----	1,1,1-Trichloroethane	42	U
563-58-6-----	1,1-Dichloropropene	42	U
56-23-5-----	Carbon Tetrachloride	42	U
107-06-2-----	1,2-Dichloroethane	42	U
71-43-2-----	Benzene	42	U
79-01-6-----	Trichloroethene	42	U
78-87-5-----	1,2-Dichloropropane	42	U
74-95-3-----	Dibromomethane	42	U
75-27-4-----	Bromodichloromethane	42	U
10061-01-5-----	cis-1,3-Dichloropropene	42	U
108-10-1-----	4-Methyl-2-pentanone	42	U
108-88-3-----	Toluene	14	DJ
10061-02-6-----	trans-1,3-Dichloropropene	42	U
79-00-5-----	1,1,2-Trichloroethane	42	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKWCDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-06BDL

Sample wt/vol: 0.7 (g/mL) G

Lab File ID: V1F3637

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 16

Date Analyzed: 04/16/03

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	42	U
127-18-4-----	Tetrachloroethene	42	U
591-78-6-----	2-Hexanone	42	U
124-48-1-----	Dibromochloromethane	42	U
106-93-4-----	1,2-Dibromoethane	42	U
108-90-7-----	Chlorobenzene	42	U
630-20-6-----	1,1,1,2-Tetrachloroethane	42	U
100-41-4-----	Ethylbenzene	11	DJ
-----	m,p-Xylene	110	D
95-47-6-----	o-Xylene	10	DJ
1330-20-7-----	Xylene (Total)	120	D
100-42-5-----	Styrene	42	U
75-25-2-----	Bromoform	42	U
98-82-8-----	Isopropylbenzene	42	U
79-34-5-----	1,1,2,2-Tetrachloroethane	42	U
108-86-1-----	Bromobenzene	42	U
96-18-4-----	1,2,3-Trichloropropane	42	U
103-65-1-----	n-Propylbenzene	24	DJ
95-49-8-----	2-Chlorotoluene	42	U
108-67-8-----	1,3,5-Trimethylbenzene	230	D
106-43-4-----	4-Chlorotoluene	42	U
98-06-6-----	tert-Butylbenzene	42	U
95-63-6-----	1,2,4-Trimethylbenzene	220	D
135-98-8-----	sec-Butylbenzene	42	U
99-87-6-----	4-Isopropyltoluene	42	U
541-73-1-----	1,3-Dichlorobenzene	42	U
106-46-7-----	1,4-Dichlorobenzene	42	U
104-51-8-----	n-Butylbenzene	42	U
95-50-1-----	1,2-Dichlorobenzene	42	U
96-12-8-----	1,2-Dibromo-3-chloropropane	42	U
120-82-1-----	1,2,4-Trichlorobenzene	42	U
87-68-3-----	Hexachlorobutadiene	42	U
91-20-3-----	Naphthalene	49	D
87-61-6-----	1,2,3-Trichlorobenzene	42	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TANKWCDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-06BDL

Sample wt/vol: 0.7 (g/mL) G

Lab File ID: V1F3637

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 16

Date Analyzed: 04/16/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 30

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.75	140	JD
2.	UNKNOWN	7.14	100	JD
3.	UNKNOWN	7.42	320	JD
4.	CYCLIC ALKANE	8.21	130	JD
5.	UNKNOWN	8.54	230	JD
6.	BRANCHED ALKANE	8.67	400	JD
7.	CYCLIC ALKANE	8.88	140	JD
8.	UNKNOWN	9.24	320	JD
9.	UNKNOWN	9.40	170	JD
10.	UNKNOWN	10.29	280	JD
11.	526-73-8 BENZENE, 1,2,3-TRIMETHYL-	11.50	160	NJD
12.	611-14-3 BENZENE, 1-ETHYL-2-METHYL-	11.85	240	NJD
13.	620-14-4 BENZENE, 1-ETHYL-3-METHYL-	12.56	180	NJD
14.	135-01-3 BENZENE, 1,2-DIETHYL-	12.80	290	NJD
15.	99-87-6 BENZENE, 1-METHYL-4-(1-METHY	12.91	360	NJD
16.	1074-17-5 BENZENE, 1-METHYL-2-PROPYL-	13.11	170	NJD
17.	527-53-7 BENZENE, 1,2,3,5-TETRAMETHYL	13.25	240	NJD
18.	527-84-4 BENZENE, 1-METHYL-2-(1-METHY	13.33	410	NJD
19.	27133-93-3 2,3-DIHYDRO-1-METHYLINDENE	13.45	280	NJD
20.	488-23-3 BENZENE, 1,2,3,4-TETRAMETHYL	13.78	410	NJD
21.	95-93-2 BENZENE, 1,2,4,5-TETRAMETHYL	13.83	480	NJD
22.	UNKNOWN	13.93	160	JD
23.	UNKNOWN	14.12	130	JD
24.	27133-93-3 2,3-DIHYDRO-1-METHYLINDENE	14.29	340	NJD
25.	2049-95-8 BENZENE, (1,1-DIMETHYLPROPYL	14.41	210	NJD
26.	17059-48-2 1H-INDENE, 2,3-DIHYDRO-1,6-D	14.65	170	NJD
27.	UNKNOWN	14.71	640	JD
28.	UNKNOWN	15.19	230	JD
29.	6682-71-9 1H-INDENE, 2,3-DIHYDRO-4,7-D	15.39	180	NJD
30.	17057-82-8 1H-INDENE, 2,3-DIHYDRO-1,2-D	15.58	220	NJD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKWESTW

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: B0548

Matrix: (soil/water) SOIL Lab Sample ID: B0548-04B

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V5E5609

Level: (low/med) LOW Date Received: 04/08/03

% Moisture: not dec. 15 Date Analyzed: 04/09/03

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	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	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	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TANKWESTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-04B

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

Lab File ID: V5E5609

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 15

Date Analyzed: 04/09/03

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	6	U
1330-20-7	Xylene (Total)	3	J
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	2	J
95-49-8	2-Chlorotoluene	6	U
108-67-8	1,3,5-Trimethylbenzene	5	J
106-43-4	4-Chlorotoluene	6	U
98-06-6	tert-Butylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	21	
135-98-8	sec-Butylbenzene	6	U
99-87-6	4-Isopropyltoluene	6	U
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	6	U
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	U
87-61-6	1,2,3-Trichlorobenzene	6	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TANKWESTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0548

Matrix: (soil/water) SOIL

Lab Sample ID: B0548-04B

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

Lab File ID: V5E5609

Level: (low/med) LOW

Date Received: 04/08/03

% Moisture: not dec. 15

Date Analyzed: 04/09/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	11.06	61	NJ
2. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	11.59	6	NJ
3.	UNKNOWN	12.55	11	J
4. 934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	13.11	7	NJ
5. 934-74-7	BENZENE, 1-ETHYL-3,5-DIMETHY	13.67	7	NJ
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 email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

COMPANY		REPORT TO		INVOICE TO		LAB PROJECT #			
Earth Tech		Will Lindheimer / Keith Decker		SAME		B0548			
NAME		ADDRESS		NAME		PHONE			
40 British American Blvd		12110		Earth Tech		518-951-2200			
CITY/ST/ZIP		Latham NY 12110		ADDRESS		FAX			
Pelican		32375		CITY/ST/ZIP		518-951-2300			
CLIENT PROJECT NAME:		CLIENT PROJECT #:		CLIENT PO #:		REQUESTED ANALYSES			
Pelican		32375		32375		B260 VOC B270 SVOC			
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	COMMENTS
EXCV - Tank - Northw	4-7 / 4:00		X		X		-1	②	24 HR TAT
EXCV - Tank - East W	" / 4:00		X		X		-2	②	"
EXCV - Tank - Southw	" / "		X		X		-3	②	"
EXCV - Tank - West W	" / "		X		X		-4	②	"
EXCV - Tank - Floodg	" / "		X		X		-5	②	"
SP - Tank - WC	" / "	X			X		-6	②	"
TSFH	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS	COOLER TEMP			
	Will Dun A	4-9-03 5:30	[Signature]	4-8-03 0800	Please Fax Results when complete.	4°C			
					24 HR TAT				

WHITE LABORATORY COPY

YELLOW REPORT COPY

PINK CLIENT'S COPY

Mitkem Corporation

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

Project Name: NYSDEC Pelican Site

SDG: B0564

<u>Customer Sample ID</u>	<u>Laboratory Sample ID</u>	Analytical Requirements				
		<u>VOA GC/MS Method #</u>	<u>SVOA GC/MS Method #</u>	<u>Pest/PCB Method #</u>	<u>Metals</u>	<u>Other</u>
TANKWEST2	B0564-01		8270			

NYASP 10/95

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Pelican project. Under this deliverable, analysis results are presented for one soil sample that was collected on April 9, 2003, and received at Mitkem on April 10, 2003. Analyses were performed per specifications in the project's contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID with laboratory sample ID.

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

1. Overall Observation:

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

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

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

2. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits with the exception of low recovery of 2,4-dinitrophenol.

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

The pages in this report have been numbered consecutively, starting from this narrative 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 "Agnes Ng". The signature is stylized with a large, looped initial "A" and a long, sweeping tail.

Agnes Ng
CLP Project Manager
04/22/03

Client ID: EARTH_NY
 Project: NYSDEC Pelican Site
 Location: 32375
 Comments: N/A

Case:
 SDG: PO: 32375

Report Level: ASP-B
 EDD: XL
 HC Due: 04/24/03
 Fax Due: 04/11/03

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	fold	MS	SEL	Storage
B0564-01A	TANKWESTW2	04/09/03 16:30	04/10/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1
B0564-01B	TANKWESTW2	04/09/03 16:30	04/10/03	Soil	SW8270C_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TANKWESTW2

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: B0564

Matrix: (soil/water) SOIL Lab Sample ID: B0564-01A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S1D4792

Level: (low/med) LOW Date Received: 04/10/03

% Moisture: 23 decanted: (Y/N) N Date Extracted: 04/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/03

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
111-91-1	bis(2-Chloroethoxy)methane	420	U
87-68-3	Hexachlorobutadiene	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

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TANKWESTW2

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0564
 Matrix: (soil/water) SOIL Lab Sample ID: B0564-01A
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: S1D4792
 Level: (low/med) LOW Date Received: 04/10/03
 % Moisture: 23 decanted: (Y/N) N Date Extracted: 04/10/03
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/03
 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	360	J
120-12-7-----	Anthracene	420	U
86-74-8-----	Carbazole	860	U
84-74-2-----	Di-n-butylphthalate	420	U
206-44-0-----	Fluoranthene	460	
129-00-0-----	Pyrene	410	J
85-68-7-----	Butylbenzylphthalate	420	U
91-94-1-----	3,3'-Dichlorobenzidine	420	U
56-55-3-----	Benzo (a) anthracene	170	J
218-01-9-----	Chrysene	240	J
117-81-7-----	bis (2-Ethylhexyl) phthalate	140	J
117-84-0-----	Di-n-octylphthalate	420	U
205-99-2-----	Benzo (b) fluoranthene	260	J
207-08-9-----	Benzo (k) fluoranthene	130	J
50-32-8-----	Benzo (a) pyrene	200	J
193-39-5-----	Indeno (1,2,3-cd) pyrene	140	J
53-70-3-----	Dibenzo (a,h) anthracene	420	U
191-24-2-----	Benzo (g,h,i) perylene	130	J

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

TANKWESTW2

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0564
 Matrix: (soil/water) SOIL Lab Sample ID: B0564-01A
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: S1D4792
 Level: (low/med) LOW Date Received: 04/10/03
 % Moisture: 23 decanted: (Y/N) N Date Extracted: 04/10/03
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/11/03
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 2 CONCENTRATION UNITS:
 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-36-3	1,2,4-TRIMETHYLBENZENE	8.37	200	NJ
2.	UNKNOWN	24.85	220	J
3.				
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000003



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 Warwick, Rhode Island 02886-1755
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 email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO				INVOICE TO							
COMPANY <u>Earth Tech</u>		PHONE <u>516-951-2200</u>		COMPANY <u>SAME</u>		PHONE					
NAME <u>Keith Decker</u>		FAX <u>516-951-2300</u>		NAME		FAX					
ADDRESS <u>40 British American Blvd</u>				ADDRESS							
CITY/ST/ZIP <u>LATHAM NY 12116</u>				CITY/ST/ZIP							
CLIENT PROJECT NAME: <u>Pelican</u>		CLIENT PROJECT #: <u>32375</u>		CLIENT PO. #		REQUESTED ANALYSES					
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	COMMENTS		
<u>EXCAV-Tank - Westwiz</u>	<u>4.9 / 4:30</u>		<u>X</u>		<u>X</u>		<u>01</u>	<u>(2)</u>	<u>24 HR TAT</u>		
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RELINQUISHED BY								ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS	COPIER TEMP
<u>Will Lutz</u>								<u>[Signature]</u>	<u>4.9 15:30</u>	<u>* per Will Lindhimer</u>	<u>30</u>
										<u>of Earth Tech</u>	
										<u>PAS 4-22-03</u>	

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

Mitkem Corporation

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

Project Name: NYSDEC Pelican Site

SDG: B0556

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
TP1-FLOOR-11	B0556-01	8260				
TP2-FLOOR-11	B0556-02	8260				
03NORTHW	B0556-03	8260				

Analytical Data Package for Earth Tech.

Client Project: Pelican – NYSDEC, 32375

SDG# B0556

Mitkem Project ID: B0556

May 5, 2003

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Pelican project. Under this deliverable, analysis results are presented for three soil samples that were collected on April 8, 2003, and received at Mitkem on April 9, 2003. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample identifications were shortened where necessary due to limitations in the software used to generate CLP-type report forms. A table of sample identifications showing full client ID, shortened client ID and laboratory ID follows this narrative, along with the Mitkem Work Order.

The analyses were performed according to NYSDEC ASP protocols (October 1995 update) and reported per NYSDEC ASP requirement for Category B deliverable.

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

1. Overall Observation:

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

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

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

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.


000001

Lab control sample/lab control sample duplicate: spike recoveries were within the QC limits with the exception of high recovery of chloroethane and low recovery of methyl tert-butyl ether in V1QLCS and V1QLCSD and low recovery of n-propylbenzene in V5SLCS. Replicate RPDs were within the QC limits.

Sample analysis: due to high concentration of target analytes, the following samples were re-analyzed at dilution by medium level: TP1-FLOOR-11 and 03NORTHW. No other unusual observation was made for the analysis.

The pages in this report have been numbered consecutively, starting from this narrative 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 "Agnes Ng". The signature is written in a cursive style with a large, looped "G" at the end.

Agnes Ng
CLP Project Manager
05/05/03

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: B0556

Client Name: Earth Tech

<i>Mitkem Sample ID</i>	<i>Reported Client Sample ID</i>	<i>Full Client Sample ID</i>
B0556-01A	TP1-FLOOR-11	
B0556-02A	TP2-FLOOR-11	
B0556-03A	03NORTHW	EXCAV-03-NORTHW

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

000003

Client ID: EARTH_NY
 Project: NYSDEC Pelican Site
 Location: 32375
 Comments: N/A

Case:
 SDG:
 PO:

Report Level: ASP-B
 EDD: XL
 HC Due: 04/23/03
 Fax Due: 04/10/03

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Hold	MS	SEL	Storage
B0556-01A	TP1-FLOOR-11	04/08/03 14:15	04/09/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0556-02A	TP2-FLOOR-11	04/08/03 15:00	04/09/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0556-03A	03NORTHW	04/08/03 15:20	04/09/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03NORTHW

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: B0556

Matrix: (soil/water) SOIL Lab Sample ID: B0556-03A

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V5E5631

Level: (low/med) LOW Date Received: 04/09/03

% Moisture: not dec. 20 Date Analyzed: 04/09/03

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	31	B
74-88-4-----	Iodomethane	6	U
75-15-0-----	Carbon Disulfide	5	J
75-09-2-----	Methylene Chloride	2	JB
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	9	
156-59-2-----	cis-1,2-Dichloroethene	21	
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	12	
79-01-6-----	Trichloroethene	250	E
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	19	
10061-02-6-----	trans-1,3-Dichloropropene	6	U
79-00-5-----	1,1,2-Trichloroethane	6	U

520 Δ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03NORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0556

Matrix: (soil/water) SOIL

Lab Sample ID: B0556-03A

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

Lab File ID: V5E5631

Level: (low/med) LOW

Date Received: 04/09/03

% Moisture: not dec. 20

Date Analyzed: 04/09/03

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	6	U
127-18-4-----Tetrachloroethene	15	
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	3	J
-----m,p-Xylene	16	
95-47-6-----o-Xylene	5	J
1330-20-7-----Xylene (Total)	21	
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	5	J
106-43-4-----4-Chlorotoluene	6	U
98-06-6-----tert-Butylbenzene	6	U
95-63-6-----1,2,4-Trimethylbenzene	13	
135-98-8-----sec-Butylbenzene	6	U
99-87-6-----4-Isopropyltoluene	6	U
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	6	U
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	U
87-61-6-----1,2,3-Trichlorobenzene	6	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03NORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0556

Matrix: (soil/water) SOIL

Lab Sample ID: B0556-03A

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

Lab File ID: V5E5631

Level: (low/med) LOW

Date Received: 04/09/03

% Moisture: not dec. 20

Date Analyzed: 04/09/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 17

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.94	29	J
2.	UNKNOWN	2.11	44	J
3.	BRANCHED ALKANE	2.67	24	J
4.	STRAIGHT-CHAIN ALKANE	2.95	27	J
5.	BRANCHED ALKANE	3.90	19	J
6.	BRANCHED ALKANE	4.15	8	J
7.	STRAIGHT-CHAIN ALKANE	4.42	22	J
8.	UNKNOWN	5.04	7	J
9.	BRANCHED ALKANE	5.64	8	J
10.	UNKNOWN	5.70	10	J
11.	BRANCHED ALKANE	5.81	7	J
12.	CYCLIC ALKANE	6.84	23	J
13.	BRANCHED ALKANE	7.47	7	J
14.	STRAIGHT-CHAIN ALKANE	8.08	19	J
15.	CYCLIC ALKANE	8.88	6	J
16.	620-14-4 BENZENE, 1-ETHYL-3-METHYL-	11.24	8	NJ
17.	UNKNOWN	19.56	18	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03NORTHWDL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0556

Matrix: (soil/water) SOIL Lab Sample ID: B0556-03ADL

Sample wt/vol: 5.6 (g/mL) G Lab File ID: V1F3547

Level: (low/med) MED Date Received: 04/09/00

% Moisture: not dec. 20 Date Analyzed: 04/10/03

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	280	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	280	U
74-83-9	Bromomethane	280	U
75-00-3	Chloroethane	280	U
75-69-4	Trichlorofluoromethane	280	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	280	U
74-88-4	Iodomethane	280	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	280	U
156-60-5	trans-1,2-Dichloroethene	280	U
1634-04-4	Methyl tert-butyl ether	280	U
75-34-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl acetate	280	U
78-93-3	2-Butanone	280	U
156-59-2	cis-1,2-Dichloroethene	280	U
590-20-7	2,2-Dichloropropane	280	U
74-97-5	Bromochloromethane	280	U
67-66-3	Chloroform	280	U
71-55-6	1,1,1-Trichloroethane	280	U
563-58-6	1,1-Dichloropropene	280	U
56-23-5	Carbon Tetrachloride	280	U
107-06-2	1,2-Dichloroethane	280	U
71-43-2	Benzene	280	U
79-01-6	Trichloroethene	520	D
78-87-5	1,2-Dichloropropane	280	U
74-95-3	Dibromomethane	280	U
75-27-4	Bromodichloromethane	280	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-pentanone	280	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	280	U
79-00-5	1,1,2-Trichloroethane	280	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

03NORTHWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0556

Matrix: (soil/water) SOIL

Lab Sample ID: B0556-03ADL

Sample wt/vol: 5.6 (g/mL) G

Lab File ID: V1F3547

Level: (low/med) MED

Date Received: 04/09/00

% Moisture: not dec. 20

Date Analyzed: 04/10/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9-----	1,3-Dichloropropane	280	U
127-18-4-----	Tetrachloroethene	280	U
591-78-6-----	2-Hexanone	280	U
124-48-1-----	Dibromochloromethane	280	U
106-93-4-----	1,2-Dibromoethane	280	U
108-90-7-----	Chlorobenzene	280	U
630-20-6-----	1,1,1,2-Tetrachloroethane	280	U
100-41-4-----	Ethylbenzene	280	U
95-47-6-----	o-Xylene	280	U
-----	m,p-Xylene	280	U
1330-20-7-----	Xylene (Total)	280	U
100-42-5-----	Styrene	280	U
75-25-2-----	Bromoform	280	U
98-82-8-----	Isopropylbenzene	280	U
79-34-5-----	1,1,2,2-Tetrachloroethane	280	U
108-86-1-----	Bromobenzene	280	U
96-18-4-----	1,2,3-Trichloropropane	280	U
103-65-1-----	n-Propylbenzene	280	U
95-49-8-----	2-Chlorotoluene	280	U
108-67-8-----	1,3,5-Trimethylbenzene	280	U
106-43-4-----	4-Chlorotoluene	280	U
98-06-6-----	tert-Butylbenzene	280	U
95-63-6-----	1,2,4-Trimethylbenzene	280	U
135-98-8-----	sec-Butylbenzene	280	U
99-87-6-----	4-Isopropyltoluene	280	U
541-73-1-----	1,3-Dichlorobenzene	280	U
106-46-7-----	1,4-Dichlorobenzene	280	U
104-51-8-----	n-Butylbenzene	280	U
95-50-1-----	1,2-Dichlorobenzene	280	U
96-12-8-----	1,2-Dibromo-3-chloropropane	280	U
120-82-1-----	1,2,4-Trichlorobenzene	280	U
87-68-3-----	Hexachlorobutadiene	280	U
91-20-3-----	Naphthalene	280	U
87-61-6-----	1,2,3-Trichlorobenzene	280	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

03NORTHWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0556

Matrix: (soil/water) SOIL

Lab Sample ID: B0556-03ADL

Sample wt/vol: 5.6 (g/mL) G

Lab File ID: V1F3547

Level: (low/med) MED

Date Received: 04/09/00

% Moisture: not dec. 20

Date Analyzed: 04/10/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

TP1-FLOOR-11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0556

Matrix: (soil/water) SOIL

Lab Sample ID: B0556-01A

Sample wt/vol: 5.8 (g/mL) G

Lab File ID: V5E5629

Level: (low/med) LOW

Date Received: 04/09/03

% Moisture: not dec. 14

Date Analyzed: 04/09/03

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	2	J
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	27	B
74-88-4-----	Iodomethane	5	U
75-15-0-----	Carbon Disulfide	5	U
75-09-2-----	Methylene Chloride	2	JB
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	4	J
156-59-2-----	cis-1,2-Dichloroethene	81	
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	4	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	290	E
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	1	J

450 D

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP1-FLOOR-11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0556

Matrix: (soil/water) SOIL

Lab Sample ID: B0556-01A

Sample wt/vol: 5.8 (g/mL) G

Lab File ID: V5E5629

Level: (low/med) LOW

Date Received: 04/09/03

% Moisture: not dec. 14

Date Analyzed: 04/09/03

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	7	
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

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP1-FLOOR-11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0556

Matrix: (soil/water) SOIL

Lab Sample ID: B0556-01A

Sample wt/vol: 5.8 (g/mL) G

Lab File ID: V5E5629

Level: (low/med) LOW

Date Received: 04/09/03

% Moisture: not dec. 14

Date Analyzed: 04/09/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

TP1-FLOOR-11DL

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0556
 Matrix: (soil/water) SOIL Lab Sample ID: B0556-01ADL
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1F3546
 Level: (low/med) MED Date Received: 04/09/00
 % Moisture: not dec. 14 Date Analyzed: 04/10/03
 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	290	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	290	U
74-83-9	Bromomethane	290	U
75-00-3	Chloroethane	290	U
75-69-4	Trichlorofluoromethane	290	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	290	U
74-88-4	Iodomethane	290	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	290	U
156-60-5	trans-1,2-Dichloroethene	290	U
1634-04-4	Methyl tert-butyl ether	290	U
75-34-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl acetate	290	U
78-93-3	2-Butanone	290	U
156-59-2	cis-1,2-Dichloroethene	63	DJ
590-20-7	2,2-Dichloropropane	290	U
74-97-5	Bromochloromethane	290	U
67-66-3	Chloroform	290	U
71-55-6	1,1,1-Trichloroethane	290	U
563-58-6	1,1-Dichloropropene	290	U
56-23-5	Carbon Tetrachloride	290	U
107-06-2	1,2-Dichloroethane	290	U
71-43-2	Benzene	290	U
79-01-6	Trichloroethene	450	D
78-87-5	1,2-Dichloropropane	290	U
74-95-3	Dibromomethane	290	U
75-27-4	Bromodichloromethane	290	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-pentanone	290	U
108-88-3	Toluene	290	U
10061-02-6	trans-1,3-Dichloropropene	290	U
79-00-5	1,1,2-Trichloroethane	290	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP1-FL00R-11DL

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0556
 Matrix: (soil/water) SOIL Lab Sample ID: B0556-01ADL
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1F3546
 Level: (low/med) MED Date Received: 04/09/00
 % Moisture: not dec. 14 Date Analyzed: 04/10/03
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	UG/KG	Q
142-28-9	1,3-Dichloropropane	290	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	290	U
124-48-1	Dibromochloromethane	290	U
106-93-4	1,2-Dibromoethane	290	U
108-90-7	Chlorobenzene	290	U
630-20-6	1,1,1,2-Tetrachloroethane	290	U
100-41-4	Ethylbenzene	290	U
95-47-6	o-Xylene	290	U
	m,p-Xylene	290	U
1330-20-7	Xylene (Total)	290	U
100-42-5	Styrene	290	U
75-25-2	Bromoform	290	U
98-82-8	Isopropylbenzene	290	U
79-34-5	1,1,2,2-Tetrachloroethane	290	U
108-86-1	Bromobenzene	290	U
96-18-4	1,2,3-Trichloropropane	290	U
103-65-1	n-Propylbenzene	290	U
95-49-8	2-Chlorotoluene	290	U
108-67-8	1,3,5-Trimethylbenzene	290	U
106-43-4	4-Chlorotoluene	290	U
98-06-6	tert-Butylbenzene	290	U
95-63-6	1,2,4-Trimethylbenzene	290	U
135-98-8	sec-Butylbenzene	290	U
99-87-6	4-Isopropyltoluene	290	U
541-73-1	1,3-Dichlorobenzene	290	U
106-46-7	1,4-Dichlorobenzene	290	U
104-51-8	n-Butylbenzene	290	U
95-50-1	1,2-Dichlorobenzene	290	U
96-12-8	1,2-Dibromo-3-chloropropane	290	U
120-82-1	1,2,4-Trichlorobenzene	290	U
87-68-3	Hexachlorobutadiene	290	U
91-20-3	Naphthalene	290	U
87-61-6	1,2,3-Trichlorobenzene	290	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP1-FL00R-11DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0556

Matrix: (soil/water) SOIL

Lab Sample ID: B0556-01ADL

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

Lab File ID: V1F3546

Level: (low/med) MED

Date Received: 04/09/00

% Moisture: not dec. 14

Date Analyzed: 04/10/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

TP2-FLOOR-11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0556

Matrix: (soil/water) SOIL

Lab Sample ID: B0556-02A

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

Lab File ID: V1F3638

Level: (low/med) LOW

Date Received: 04/09/03

% Moisture: not dec. 21

Date Analyzed: 04/16/03

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	22	
74-88-4	Iodomethane	6	U
75-15-0	Carbon Disulfide	3	JB
75-09-2	Methylene Chloride	1	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	4	J
156-59-2	cis-1,2-Dichloroethene	10	
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	13	
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.

TP2-FLOOR-11

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: B0556

Matrix: (soil/water) SOIL Lab Sample ID: B0556-02A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1F3638

Level: (low/med) LOW Date Received: 04/09/03

% Moisture: not dec. 21 Date Analyzed: 04/16/03

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		6 U
95-47-6-----	o-Xylene		6 U
1330-20-7-----	Xylene (Total)		6 U
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		6 U
106-43-4-----	4-Chlorotoluene		6 U
98-06-6-----	tert-Butylbenzene		6 U
95-63-6-----	1,2,4-Trimethylbenzene		6 U
135-98-8-----	sec-Butylbenzene		6 U
99-87-6-----	4-Isopropyltoluene		6 U
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		6 U
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 U
87-61-6-----	1,2,3-Trichlorobenzene		6 U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP2-FLOOR-11

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0556

Matrix: (soil/water) SOIL

Lab Sample ID: B0556-02A

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

Lab File ID: V1F3638

Level: (low/med) LOW

Date Received: 04/09/03

% Moisture: not dec. 21

Date Analyzed: 04/16/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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175 Metro Center Boulevard
 Warwick, Rhode Island 02886-1755
 (401) 732-3400 • Fax (401) 732-3499
 email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO: EARTH TECH		INVOICE TO: SHMÉ		LAB PROJECT #: BOSSLO					
COMPANY NAME: EARTH TECH	PHONE: 518-951-2260	COMPANY NAME: SHMÉ	PHONE:	TURNAROUND TIME:					
NAME: KEITH DECKER	FAX: 518-951-2302	NAME:	FAX:						
ADDRESS: 40 British American Blvd		ADDRESS:							
CITY/ST/ZIP: LATHAM, NY 12110		CITY/ST/ZIP:							
CLIENT PROJECT NAME: Pelican	CLIENT PROJECT #: 32375	CLIENT PO #: 32375	REQUESTED ANALYSES						
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	COMMENTS
TP1 - Floor - 11	4.8 / 2:15	X	X	X	X		-1	2	24 HR TAT
TP2 - Floor - 11	" / 3:00	X	X	X	X		-2	2	" "
EXCN - 03 - NORTH	" / 3:20	X	X	X	X		-3	1	" "
	/								
	/								
	/								
	/								
	/								
	/								
	/								
TSF#	RELINQUISHED BY	DATE/TIME	ACQUIRED BY	DATE/TIME	ADDITIONAL REMARKS:		COOLER TEMP:		
	<i>Will [Signature]</i>	7.8 / 5:00	<i>[Signature]</i>	4-9-03 0900			3°C		
		/		/					
		/		/					

Mitkem Corporation

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

Project Name: NYSDEC Pelican Site

SDG: B0545

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
EFL-GAC-040403	B0545-01	8260				

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: NYSDEC Pelican Site

SDG: B0545

Laboratory Sample ID	Matrix	Date Collected	Date Received by Lab	Date Extracted	Date Analyzed
B0545-01A	AQ	4/4/03	4/5/03	NA	4/14/03

Mitkem Corporation

New York State Department of Environmental Conservation

Sample Preparation and Analyses Summary
Volatile (VOA) Analyses

Project Name: **NYSDEC Pelican Site**

SDG: **B0545**

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
B0545-01A	AQ	8260	NA	Low	1

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Pelican project. Under this deliverable, analysis results are presented for one aqueous sample that was collected on April 4, 2003, and received at Mitkem on April 5, 2003. Analyses were performed per specifications in the project's contract and the chain of custody forms. Following this 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 (October 1995 update) and reported per NYSDEC ASP requirement for Category B deliverable.

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

1. Overall Observation:

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

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

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

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

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

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

The pages in this report have been numbered consecutively, starting from this narrative 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 "Agnes Ng" with a stylized flourish at the end.

Agnes Ng
CLP Project Manager
05/01/03

Client ID: EARTH_NY
 Project: NYSDEC Pelican Site
 Location:
 Comments: N/A

Case:
 SDG:
 PO:

Report Level: ASP-B
 EDD: XL
 HC Due: 04/21/03
 Fax Due: 04/14/03

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Hold	MS	SEL	Storage
B0545-01A	EFL-GAC-040403	04/04/03 11:15	04/05/03	Aqueous	SW8260B_W		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFL-GAC-040403

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0545

Matrix: (soil/water) WATER

Lab Sample ID: B0545-01A

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

Lab File ID: V6C5688

Level: (low/med) LOW

Date Received: 04/05/03

% Moisture: not dec. _____

Date Analyzed: 04/14/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	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.

EFL-GAC-040403

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0545

Matrix: (soil/water) WATER

Lab Sample ID: B0545-01A

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

Lab File ID: V6C5688

Level: (low/med) LOW

Date Received: 04/05/03

% Moisture: not dec. _____

Date Analyzed: 04/14/03

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFL-GAC-040403

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0545

Matrix: (soil/water) WATER

Lab Sample ID: B0545-01A

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

Lab File ID: V6C5688

Level: (low/med) LOW

Date Received: 04/05/03

% Moisture: not dec. _____

Date Analyzed: 04/14/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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Chain of Custody Record



A tyco INTERNATIONAL LTD. COMPANY

Project Number		Project Name/Client		Earth Tech Cooler #								
32375		Pelican - NYSDEC		-								
Sample Custodian: (Signature)		Analysis Required		Custody Seal #								
Item No.	Sample Description (Field ID Number)	Date	Time	Grab	Comp.	PID Reading (ppm)	Label Number	Analysis Required	Disposed of by: (Signature)	Disposed of by: (Signature)	Items:	Date / Time
1	EFL-GAC-040403	4-4	11:15	X				X 8160098			X WATER	7:40 AM (P)
2												
3												
4												
5												
6												
7												
8												
9												
10												
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Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Date / Time		Disposed of by: (Signature)		Items:		Date / Time
[Signature]		4-4 2:00		Tim Shuhart		4:503 0900						
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Date / Time		Disposed of by: (Signature)		Items:		Date / Time
[Signature]												

Laboratory Receiving Notes:
 Custody Seal Intact? YES
 Temp. of Shipping Container: 70C
 Sample Condition: whole

Check Delivery Method:
 Samples delivered in person
 Common carrier

Remarks: 1 WEEK TAT
 Federal Express Airbill No.:
 Lab:

Send Lab Results To: FAX - 518-951-2300
 CHESTER FOXER
 CEO British Amer. com-Build
 CATAMAN, NY 12110

Mitekem Corporation

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

Project Name: NYSDEC Pelican Site

SDG: B0537

<u>Customer Sample ID</u>	<u>Laboratory Sample ID</u>	Analytical Requirements				
		<u>VOA GC/MS Method #</u>	<u>SVOA GC/MS Method #</u>	<u>Pest/PCB Method #</u>	<u>Metals</u>	<u>Other</u>
C2-PEAT	B0537-01					TOC

NYASP 10/95

Analytical Data Package for Earth Tech.

Client Project: Pelican – NYSDEC, 32375

SDG# B0537

Mitkem Project ID: B0537

April 21, 2003

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Pelican project. Under this deliverable, analysis results are presented for one soil sample that was collected on April 2, 2003, and received at Mitkem on April 3, 2003. Analyses were performed per specifications in the project's contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID with laboratory sample ID.


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

1. TOC Analysis:

TOC was performed by sub-contract STL Connecticut of Shelton, CT. The entire STL report is submitted.

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

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



Agnes Ng
CLP Project Manager
04/21/03

000001

Client ID: EARTH_NY
Project: NYSDEC Pelican Site
Location:
Comments: N/A

Case:
SDG:
PO:
Report Level: ASP-B
EDD: XL
HC Due: 04/17/03
Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Hold	MS	SEL	Storage
B0537-01A	C2-PEAT	04/02/03 16:35	04/03/03	Soil	E415_LK_TOC_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SUB

Sample Transmittal Documentation

000003



CHAIN-OF-CUSTODY RECORD

REPORT TO: INVOICE TO

COMPANY: EARTH TECH **PHONE:** 518 951-2200 **COMPANY NAME:** SAME **PHONE:** **LAB PROJECT #:** B0537

NAME: Keith Decker / Will Lindheimer **FAX:** 518-951-2300 **NAME:** **FAX:** **LAB PROJECT #:** B0537

ADDRESS: 40 British American Blvd **ADDRESS:** **TURNAROUND TIME:** **TURNAROUND TIME:** **TURNAROUND TIME:**

CITY/ST/ZIP: Latham NY 12110 **CITY/ST/ZIP:** **CITY/ST/ZIP:**

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	CLIENT PROJECT #				LAB ID	OTHER	SOIL	WATER	GRAB	COMPOSITE	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS	COOPER TEMP.
		CLIENT PROJECT #	CLIENT PROJECT #	CLIENT PROJECT #	CLIENT PROJECT #										
Pelican		32375	32375	32375	32375										
EXCAV-03-WestW	4:2					-01									24 HR TAT
EXCAV-03-SouthW	"					-02									"
EXCAV-03-NORTHW	"					-03									"
EXCAV-03-EastW	"					-04									"
EXCAV-03-FloorZ	"					-05									"
EXCAV-C2-FloorZ	"					-06									"
C2 - Peat	"					-07									"
SP-03/c2 - clean	"					-08									"
SP-03/c2 - WC	"					-09									"
Will Lindheimer	6:00	1412.03										4:30:03	0900	Please Rush C2-PEAT Result by 4:30:02 4:00 PM? Call Will @ 518-669-9537	80



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

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO								
COMPANY	NAME	COMPANY	NAME							
Earth Tech	Keith Decker	Same &	Same &							
ADDRESS	ADDRESS	NAME	NAME							
Washington Street	40 British American Blvd	#150 / per Sample	#150 / per Sample							
CITY/STATE/ZIP	CITY/STATE/ZIP	ADDRESS	ADDRESS							
Latham NY 12110	Latham NY 12110	PER Ben Deedy	PER Ben Deedy							
CLIENT PROJECT NAME	CLIENT PROJECT #	CLIENT PROJECT #	LAB PROJECT #							
Belcom - NYSD&C	32375	32375	B0518							
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES	COMMENTS	TURNAROUND TIME
EXCV-07-Flour	4/103/1:45	X		X		-1		820D-SUCK TCL P VOC		24 HR TAT
EXCV-07-North W	" / 3:05	X		X		-2				"
EXCV-07-East W	" / 3:07	X		X		-3				"
EXCV-07-South W	" / 3:55	X		X		-4				"
EXCV-07-WEST W	" / 3:12	X		X		-5				"
SP-07-W/C	" / 4:00	X		X		-6				"
Peat Sample	/									80524-07
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
TSP#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:		COOLER TEMP:			
	Keith Decker	4.1.03 5:00pm	[Signature]	4-2-03 0900	Request 24 HR TAT		15°C			
		/		/	RESULTS DUE BY THURS-4-3-03					
		/		/	@ 10:30AM					

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
Sample Condition Form

Received By: <u>AL</u>	Reviewed By:	Date: <u>4-3-03</u>	MITKEM Project: <u>130524</u>			
Client Project:			VOA			
Client: <u>EARTH TECH</u>			MATRIX			
1) Cooler Sealed <u>YES/NO*</u> * 2) Custody Seal(s) Present / Absent Coolers / Bottles Intact / Broken Custody Seal Numbers	Lab Sample ID	HNO3	H2SO4	HCl	NaOH	
	<u>B0524 01</u>					<u>US</u>
	<u>02</u>					
	<u>03</u>					
	<u>04</u>					
	<u>05</u>					
	<u>06</u>					
	<u>07</u>					
	<u>08</u>					
	<u>B0524 09</u>					
3) Chain -of- Custody <u>Present</u> / Absent 4) Airbill(s) <u>Present</u> / Absent Airbill Number(s) <u>FED-EX</u> <u>8389504 10544</u> 5) Cooler Temperature <u>2 C</u> Coolant Condition <u>ICE</u> 6) Sample Bottles <u>Intact</u> / Broken / Leaking 7) Date Received <u>4-3-03</u> 8) Time Received <u>0900</u>						
VOA Matrix Key: US = Unpreserved Soil A = Air UA = Unpreserved Aqueous H = HCl M/N = MeOH & NaHSO4 E = Encore N = NaHSO4 M = MeOH						
See Sample Condition Notification / Corrective Action Form						yes / <u>no</u>
Comments / r / Remarks						Rad Ok <u>yes</u> / no

Last Page of Data Report

ANALYTICAL REPORT

JOB NUMBER: 203368

Prepared For:

MITKEM
175 Metro Center Boulevard
Warwick, RI 02886-1755

Project: TOC - LLOYD KAHN

Attention: Paul Senecal

Date: 04/15/2003


Signature

Name: Johanna L. Dubauskas

Title: Project Manager

E-Mail: jdubauskas@stl-inc.com

41503
Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484



STL

STL Report : 203368
MITKEM

Case Narrative

Sample Receipt – The sample was received in good condition and at the proper temperature.

Classical Chemistry - Listed below are the wet chemistry analyte methods and references for the samples analyzed in this SDG. Samples prepared following Lloyd Kahn, Determination of Total Carbon in Sediment, July 27, 1988. No analytical problems were encountered.

Analyte	Method	Reference
TOCD	9060	1

References:

1. Test Methods for the Evaluation of Solid Wastes, SW846, 3rd ed., 1986.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

S A M P L E I N F O R M A T I O N
Date: 04/15/2003

Job Number.: 203368
Customer...: MITKEM
Attn.....: Paul Senecal

Project Number.....: 20000306
Customer Project ID....: TOC - LLOYD KAHN
Project Description....: TOC - Lloyd Kahn

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
203368-1	B0537-01A	Soil	04/02/2003	16:35	04/04/2003	09:20

LABORATORY TEST RESULTS

Date: 04/15/2003

Job Number: 203368

ATTN: Paul Senecal

PROJECT: TOC - LLOYD KAHN

CUSTOMER: MITKEM

Laboratory Sample ID: 203368-1
 Date Received: 04/04/2003
 Time Received: 09:20

Customer Sample ID: B0537-01A
 Date Sampled: 04/02/2003
 Time Sampled: 16:35
 Sample Matrix: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	19.1 80.9		0.10 0.10	0.10 0.10	1 1	% %	15790 15790		04/08/03 0000 04/08/03 0000	ksw ksw
Lloyd Kahn	Total Organic Carbon (Soils) TOC Average Duplicates, Solid*	618000		240	524	1	mg/Kg	16073		04/14/03 1530	lam

* In Description = Dry Wgt.

L A B O R A T O R Y C H R O N I C L E

Job Number: 203368

Date: 04/15/2003

CUSTOMER: MITKEM

PROJECT: TOC - LLOYD KAHN

ATTN: Paul Senecal

Lab ID: 203368-1	Client ID: B0537-01A	Date Recvd: 04/04/2003	Sample Date: 04/02/2003		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME ANALYZED DILUTION
ASTM D-2216		1	15790		04/08/2003 0000
Lloyd Kahn	Total Organic Carbon (Soils)	1	16073		04/14/2003 1530

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 04/15/2003

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the reporting limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the reporting limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

- MB,EB, MLE: Batch QC is greater than reporting limit.
- * LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
- A Concentration exceeds the instrument calibration range or below the reporting limit.
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 04/15/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

STL-Connecticut Certification Summary (as of May 2002)

State	Responsible Agency	Certification	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	M-CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	CT410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	A43
Utah	Department of Health	RCRA	2032614458
Wisconsin	Department of Natural Resources	Wastewater	998355710

Mitkem Corporation

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

Project Name: NYSDEC Pelican Site

SDG: B0540

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
SPSRCLEAN	B0540-01	8260				
SRNORTHW	B0540-02	8260				
SP-SR-WC	B0540-03	8260				
SRSOUTHW	B0540-04	8260				
SREASTW	B0540-05	8260				
SRFLOOR	B0540-06	8260				
SRWESTTW	B0540-07	8260				
SREAST56	B0540-08	8260				

Analytical Data Package for Earth Tech.

Client Project: Pelican – NYSDEC, 32375

SDG# B0540

Mitkem Project ID: B0540

May 1, 2003

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Pelican project. Under this deliverable, analysis results are presented for eight soil samples that were collected on April 3, 2003, and received at Mitkem on April 4, 2003. Analyses were performed per specifications in the project's contract and the chain of custody forms. Sample identifications were shortened where necessary due to limitations in the software used to generate CLP-type report forms. A table of sample identifications showing full client ID, shortened client ID and laboratory ID follows this narrative, along with the Mitkem Work Order.

The analyses were performed according to NYSDEC ASP protocols (October 1995 update) and reported per NYSDEC ASP requirement for Category B deliverable.

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

1. Overall Observation:

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

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

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

2. Volatile Analysis:

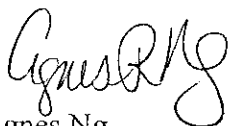
Surrogate recovery: recoveries were within the QC limits.

Lab control sample/lab control sample duplicate: spike recoveries were within the QC limits with the exception of high recovery of 2-hexanone in V2DLCS. Replicate RPDs were within the QC limits.

Sample analysis: due to high concentration of target analytes, the following samples were analyzed using a reduced sample size: SRNORTHWW (1g), SREASTW (1g) and CRWESTW (1g). This is equivalent to 5x dilution for these samples. Samples SPSRCLEAN and SRFLOOR were analyzed at medium level. Sample SREAST56 was analyzed at medium level due to petroleum hydrocarbons and not target analytes. There was a strong petroleum odor. No other unusual observation was made for the analysis.

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

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



Agnes Ng
CLP Project Manager
05/01/03

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: B0540

Client Name: Earth Tech

<i>Mitkem Sample ID</i>	<i>Reported Client Sample ID</i>	<i>Full Client Sample ID</i>
B0540-01A	SPSRCLEAN	SP-SR-CLEAN
B0540-02A	SRNORTHW	EXCAV-SR-NORTHW
B0540-03A	SP-SR-WC	
B0540-04A	SRSOUTHW	EXCAV-SR-SOUTHW
B0540-05A	SREASTW	EXCAV-SR-EASTW
B0540-06A	SRFLOOR	EXCAV-SR-FLOOR
B0540-07A	SRWESTW	EXCAV-SR-WESTW
B0540-08A	SREAST56	EXCAV-SR-EAST5-6

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

003

Client ID: EARTH_NY
 Project: NYSDEC Pelican Site
 Location:
 Comments: N/A

Report Level: ASP-B
 EDD: XL
 HC Due: 04/18/03
 Fax Due: 04/07/03

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Hold	MS	SEL	Storage
B0540-01A	SPSRCLEAN	04/03/03 7:50	04/04/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0540-02A	SRNORTHW	04/03/03 15:35	04/04/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0540-03A	SP-SR-WC	04/03/03 17:30	04/04/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0540-04A	SRSOUTHW	04/03/03 17:40	04/04/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0540-05A	SREASTW	04/03/03 17:45	04/04/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0540-06A	SRFLOOR	04/03/03 17:35	04/04/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0540-07A	SRWESTW	04/03/03 17:30	04/04/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

Client ID: EARTH_NY
 Project: NYSDEC Pelican Site
 Location:
 Comments: N/A

Case:
 SDG:
 PO:

Report Level: ASP-B
 EDD: XL
 HC Due: 04/18/03
 Fax Due: 04/07/03

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Hold	MIS	SEL	Storage
B0540-07A	SRWESTW	04/03/03 17:30	04/04/03	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0540-08A	SREAST56	04/03/03 17:50	04/04/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP-SR-WC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-03A

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

Lab File ID: V1F3543

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 20

Date Analyzed: 04/10/03

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	290	U
74-87-3	Chloromethane	290	U
75-01-4	Vinyl Chloride	290	U
74-83-9	Bromomethane	290	U
75-00-3	Chloroethane	290	U
75-69-4	Trichlorofluoromethane	290	U
75-35-4	1,1-Dichloroethene	290	U
67-64-1	Acetone	290	U
74-88-4	Iodomethane	290	U
75-15-0	Carbon Disulfide	290	U
75-09-2	Methylene Chloride	290	U
156-60-5	trans-1,2-Dichloroethene	290	U
1634-04-4	Methyl tert-butyl ether	290	U
75-34-3	1,1-Dichloroethane	290	U
108-05-4	Vinyl acetate	290	U
78-93-3	2-Butanone	290	U
156-59-2	cis-1,2-Dichloroethene	100	J
590-20-7	2,2-Dichloropropane	290	U
74-97-5	Bromochloromethane	290	U
67-66-3	Chloroform	290	U
71-55-6	1,1,1-Trichloroethane	150	J
563-58-6	1,1-Dichloropropene	290	U
56-23-5	Carbon Tetrachloride	290	U
107-06-2	1,2-Dichloroethane	290	U
71-43-2	Benzene	290	U
79-01-6	Trichloroethene	2600	U
78-87-5	1,2-Dichloropropane	290	U
74-95-3	Dibromomethane	290	U
75-27-4	Bromodichloromethane	290	U
10061-01-5	cis-1,3-Dichloropropene	290	U
108-10-1	4-Methyl-2-pentanone	290	U
108-88-3	Toluene	1700	U
10061-02-6	trans-1,3-Dichloropropene	290	U
79-00-5	1,1,2-Trichloroethane	290	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP-SR-WC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-03A

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

Lab File ID: V1F3543

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 20

Date Analyzed: 04/10/03

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	290	U
127-18-4	Tetrachloroethene	290	U
591-78-6	2-Hexanone	290	U
124-48-1	Dibromochloromethane	290	U
106-93-4	1,2-Dibromoethane	290	U
108-90-7	Chlorobenzene	290	U
630-20-6	1,1,1,2-Tetrachloroethane	290	U
100-41-4	Ethylbenzene	5100	
95-47-6	o-Xylene	3700	
	m,p-Xylene	20000	
1330-20-7	Xylene (Total)	24000	
100-42-5	Styrene	110	J
75-25-2	Bromoform	290	U
98-82-8	Isopropylbenzene	87	J
79-34-5	1,1,2,2-Tetrachloroethane	290	U
108-86-1	Bromobenzene	290	U
96-18-4	1,2,3-Trichloropropane	290	U
103-65-1	n-Propylbenzene	290	U
95-49-8	2-Chlorotoluene	290	U
108-67-8	1,3,5-Trimethylbenzene	290	U
106-43-4	4-Chlorotoluene	290	U
98-06-6	tert-Butylbenzene	290	U
95-63-6	1,2,4-Trimethylbenzene	130	J
135-98-8	sec-Butylbenzene	290	U
99-87-6	4-Isopropyltoluene	290	U
541-73-1	1,3-Dichlorobenzene	290	U
106-46-7	1,4-Dichlorobenzene	290	U
104-51-8	n-Butylbenzene	290	U
95-50-1	1,2-Dichlorobenzene	290	U
96-12-8	1,2-Dibromo-3-chloropropane	290	U
120-82-1	1,2,4-Trichlorobenzene	290	U
87-68-3	Hexachlorobutadiene	290	U
91-20-3	Naphthalene	290	U
87-61-6	1,2,3-Trichlorobenzene	290	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SP-SR-WC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-03A

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

Lab File ID: V1F3543

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 20

Date Analyzed: 04/10/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

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

Number TICs found: 24

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLIC ALKANE	8.02	300	J
2.	UNKNOWN	8.69	360	J
3.	UNKNOWN	8.84	430	J
4.	CYCLIC ALKANE	9.13	350	J
5.	UNKNOWN	10.25	480	J
6.	BRANCHED ALKANE	10.56	580	J
7.	UNKNOWN	10.67	390	J
8.	BRANCHED ALKANE	10.95	300	J
9.	UNKNOWN	11.21	560	J
10.	CYCLIC ALKANE	11.55	310	J
11.	UNKNOWN	11.64	440	J
12.	UNKNOWN	12.00	800	J
13.	UNKNOWN	12.18	520	J
14.	CYCLIC ALKANE	12.32	360	J
15.	UNKNOWN	12.58	360	J
16.	UNKNOWN	12.69	360	J
17.	493-02-7 NAPHTHALENE, DECAHYDRO-, TRA	12.85	480	NJ
18.	506-52-5 1-HEXACOSANOL	13.06	490	NJ
19.	UNKNOWN	13.29	400	J
20.	UNKNOWN	13.44	310	J
21.	2958-76-1 NAPHTHALENE, DECAHYDRO-2-MET	13.82	400	NJ
22.	UNKNOWN	14.30	370	J
23.	UNKNOWN	14.45	480	J
24.	UNKNOWN	15.08	620	J
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SPSRCLEAN

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-01A

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

Lab File ID: V2F5743

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 15

Date Analyzed: 04/15/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	280	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	280	U
74-83-9	Bromomethane	280	U
75-00-3	Chloroethane	280	U
75-69-4	Trichlorofluoromethane	280	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	280	U
74-88-4	Iodomethane	280	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	280	U
156-60-5	trans-1,2-Dichloroethene	280	U
1634-04-4	Methyl tert-butyl ether	280	U
75-34-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl acetate	280	U
78-93-3	2-Butanone	280	U
156-59-2	cis-1,2-Dichloroethene	280	U
590-20-7	2,2-Dichloropropane	280	U
74-97-5	Bromochloromethane	280	U
67-66-3	Chloroform	280	U
71-55-6	1,1,1-Trichloroethane	81	J
563-58-6	1,1-Dichloropropene	280	U
56-23-5	Carbon Tetrachloride	280	U
107-06-2	1,2-Dichloroethane	280	U
71-43-2	Benzene	280	U
79-01-6	Trichloroethene	1800	U
78-87-5	1,2-Dichloropropane	280	U
74-95-3	Dibromomethane	280	U
75-27-4	Bromodichloromethane	280	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-pentanone	280	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	280	U
79-00-5	1,1,2-Trichloroethane	280	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SPSRCLEAN

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-01A

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

Lab File ID: V2F5743

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 15

Date Analyzed: 04/15/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	UG/KG	Q
142-28-9	1,3-Dichloropropane	280	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	280	U
124-48-1	Dibromochloromethane	280	U
106-93-4	1,2-Dibromoethane	280	U
108-90-7	Chlorobenzene	280	U
630-20-6	1,1,1,2-Tetrachloroethane	280	U
100-41-4	Ethylbenzene	280	U
	m,p-Xylene	280	U
95-47-6	o-Xylene	280	U
1330-20-7	Xylene (Total)	280	U
100-42-5	Styrene	280	U
75-25-2	Bromoforn	280	U
98-82-8	Isopropylbenzene	280	U
79-34-5	1,1,2,2-Tetrachloroethane	280	U
108-86-1	Bromobenzene	280	U
96-18-4	1,2,3-Trichloropropane	280	U
103-65-1	n-Propylbenzene	280	U
95-49-8	2-Chlorotoluene	280	U
108-67-8	1,3,5-Trimethylbenzene	280	U
106-43-4	4-Chlorotoluene	280	U
98-06-6	tert-Butylbenzene	280	U
95-63-6	1,2,4-Trimethylbenzene	280	U
135-98-8	sec-Butylbenzene	280	U
99-87-6	4-Isopropyltoluene	280	U
541-73-1	1,3-Dichlorobenzene	280	U
106-46-7	1,4-Dichlorobenzene	280	U
104-51-8	n-Butylbenzene	280	U
95-50-1	1,2-Dichlorobenzene	280	U
96-12-8	1,2-Dibromo-3-chloropropane	280	U
120-82-1	1,2,4-Trichlorobenzene	280	U
87-68-3	Hexachlorobutadiene	280	U
91-20-3	Naphthalene	280	U
87-61-6	1,2,3-Trichlorobenzene	280	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SPSRCLEAN

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-01A

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

Lab File ID: V2F5743

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 15

Date Analyzed: 04/15/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SREAST56

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-08A

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

Lab File ID: V1F3544

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 17

Date Analyzed: 04/10/03

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	280	U
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	280	U
74-83-9	Bromomethane	280	U
75-00-3	Chloroethane	280	U
75-69-4	Trichlorofluoromethane	280	U
75-35-4	1,1-Dichloroethene	280	U
67-64-1	Acetone	280	U
74-88-4	Iodomethane	280	U
75-15-0	Carbon Disulfide	280	U
75-09-2	Methylene Chloride	280	U
156-60-5	trans-1,2-Dichloroethene	280	U
1634-04-4	Methyl tert-butyl ether	280	U
75-34-3	1,1-Dichloroethane	280	U
108-05-4	Vinyl acetate	280	U
78-93-3	2-Butanone	280	U
156-59-2	cis-1,2-Dichloroethene	280	U
590-20-7	2,2-Dichloropropane	280	U
74-97-5	Bromochloromethane	280	U
67-66-3	Chloroform	280	U
71-55-6	1,1,1-Trichloroethane	280	U
563-58-6	1,1-Dichloropropene	280	U
56-23-5	Carbon Tetrachloride	280	U
107-06-2	1,2-Dichloroethane	280	U
71-43-2	Benzene	280	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
74-95-3	Dibromomethane	280	U
75-27-4	Bromodichloromethane	280	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-10-1	4-Methyl-2-pentanone	280	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	280	U
79-00-5	1,1,2-Trichloroethane	280	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SREAST56

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-08A

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

Lab File ID: V1F3544

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 17

Date Analyzed: 04/10/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9-----	1,3-Dichloropropane	280	U
127-18-4-----	Tetrachloroethene	280	U
591-78-6-----	2-Hexanone	280	U
124-48-1-----	Dibromochloromethane	280	U
106-93-4-----	1,2-Dibromoethane	280	U
108-90-7-----	Chlorobenzene	280	U
630-20-6-----	1,1,1,2-Tetrachloroethane	280	U
100-41-4-----	Ethylbenzene	280	U
95-47-6-----	o-Xylene	280	U
-----	m,p-Xylene	280	U
1330-20-7-----	Xylene (Total)	280	U
100-42-5-----	Styrene	280	U
75-25-2-----	Bromoform	280	U
98-82-8-----	Isopropylbenzene	280	U
79-34-5-----	1,1,2,2-Tetrachloroethane	280	U
108-86-1-----	Bromobenzene	280	U
96-18-4-----	1,2,3-Trichloropropane	280	U
103-65-1-----	n-Propylbenzene	280	U
95-49-8-----	2-Chlorotoluene	280	U
108-67-8-----	1,3,5-Trimethylbenzene	280	U
106-43-4-----	4-Chlorotoluene	280	U
98-06-6-----	tert-Butylbenzene	280	U
95-63-6-----	1,2,4-Trimethylbenzene	280	U
135-98-8-----	sec-Butylbenzene	280	U
99-87-6-----	4-Isopropyltoluene	280	U
541-73-1-----	1,3-Dichlorobenzene	280	U
106-46-7-----	1,4-Dichlorobenzene	280	U
104-51-8-----	n-Butylbenzene	280	U
95-50-1-----	1,2-Dichlorobenzene	280	U
96-12-8-----	1,2-Dibromo-3-chloropropane	280	U
120-82-1-----	1,2,4-Trichlorobenzene	280	U
87-68-3-----	Hexachlorobutadiene	280	U
91-20-3-----	Naphthalene	280	U
87-61-6-----	1,2,3-Trichlorobenzene	280	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SREAST56

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-08A

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

Lab File ID: V1F3544

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 17

Date Analyzed: 04/10/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

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

Number TICs found: 30

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLIC ALKANE	7.58	3400	J
2.	CYCLIC ALKANE	8.02	2300	J
3.	BRANCHED ALKANE	8.49	2900	J
4.	BRANCHED ALKANE	8.64	4700	J
5.	CYCLIC ALKANE	8.83	3900	J
6.	CYCLIC ALKANE	9.14	4100	J
7.	CYCLIC ALKANE	9.84	2900	J
8.	UNKNOWN	10.26	5200	J
9.	UNKNOWN	10.38	3600	J
10.	BRANCHED ALKANE	10.55	5400	J
11.	UNKNOWN	10.67	3600	J
12.	UNKNOWN	10.73	2200	J
13.	UNKNOWN	10.94	2700	J
14.	UNKNOWN	11.22	2000	J
15.	CYCLIC ALKANE	11.55	1700	J
16.	UNKNOWN	11.62	2100	J
17.	UNKNOWN	11.87	1800	J
18.	UNKNOWN	11.95	1800	J
19.	BRANCHED ALKANE	11.99	3500	J
20.	UNKNOWN	12.19	2400	J
21.	CYCLIC ALKANE	12.32	1800	J
22.	UNKNOWN	12.49	1600	J
23.	UNKNOWN	12.54	1500	J
24.	BRANCHED ALKANE	12.68	1500	J
25.	493-02-7 NAPHTHALENE, DECAHYDRO-, TRA	12.84	1900	NJ
26.	UNKNOWN	13.23	1700	J
27.	UNKNOWN	13.29	2100	J
28.	UNKNOWN	13.44	2100	J
29.	UNKNOWN	14.31	1600	J
30.	BRANCHED ALKANE	14.45	3400	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SREASTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-05A

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

Lab File ID: V1F3607

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 25

Date Analyzed: 04/15/03

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	33	U
74-87-3	Chloromethane	33	U
75-01-4	Vinyl Chloride	33	U
74-83-9	Bromomethane	33	U
75-00-3	Chloroethane	33	U
75-69-4	Trichlorofluoromethane	33	U
75-35-4	1,1-Dichloroethene	33	U
67-64-1	Acetone	52	
74-88-4	Iodomethane	33	U
75-15-0	Carbon Disulfide	33	U
75-09-2	Methylene Chloride	10	BJ
156-60-5	trans-1,2-Dichloroethene	33	U
1634-04-4	Methyl tert-butyl ether	33	U
75-34-3	1,1-Dichloroethane	33	U
108-05-4	Vinyl acetate	33	U
78-93-3	2-Butanone	33	U
156-59-2	cis-1,2-Dichloroethene	22	J
590-20-7	2,2-Dichloropropane	33	U
74-97-5	Bromochloromethane	33	U
67-66-3	Chloroform	33	U
71-55-6	1,1,1-Trichloroethane	19	J
563-58-6	1,1-Dichloropropene	33	U
56-23-5	Carbon Tetrachloride	33	U
107-06-2	1,2-Dichloroethane	33	U
71-43-2	Benzene	33	U
79-01-6	Trichloroethene	770	
78-87-5	1,2-Dichloropropane	33	U
74-95-3	Dibromomethane	33	U
75-27-4	Bromodichloromethane	33	U
10061-01-5	cis-1,3-Dichloropropene	33	U
108-10-1	4-Methyl-2-pentanone	33	U
108-88-3	Toluene	33	U
10061-02-6	trans-1,3-Dichloropropene	33	U
79-00-5	1,1,2-Trichloroethane	33	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SREASTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-05A

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

Lab File ID: V1F3607

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 25

Date Analyzed: 04/15/03

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	33	U
127-18-4	Tetrachloroethene	19	J
591-78-6	2-Hexanone	33	U
124-48-1	Dibromochloromethane	33	U
106-93-4	1,2-Dibromoethane	33	U
108-90-7	Chlorobenzene	33	U
630-20-6	1,1,1,2-Tetrachloroethane	33	U
100-41-4	Ethylbenzene	33	U
	m,p-Xylene	33	U
95-47-6	o-Xylene	33	U
1330-20-7	Xylene (Total)	33	U
100-42-5	Styrene	33	U
75-25-2	Bromoform	33	U
98-82-8	Isopropylbenzene	33	U
79-34-5	1,1,2,2-Tetrachloroethane	33	U
108-86-1	Bromobenzene	33	U
96-18-4	1,2,3-Trichloropropane	33	U
103-65-1	n-Propylbenzene	33	U
95-49-8	2-Chlorotoluene	33	U
108-67-8	1,3,5-Trimethylbenzene	33	U
106-43-4	4-Chlorotoluene	33	U
98-06-6	tert-Butylbenzene	33	U
95-63-6	1,2,4-Trimethylbenzene	33	U
135-98-8	sec-Butylbenzene	33	U
99-87-6	4-Isopropyltoluene	33	U
541-73-1	1,3-Dichlorobenzene	33	U
106-46-7	1,4-Dichlorobenzene	33	U
104-51-8	n-Butylbenzene	33	U
95-50-1	1,2-Dichlorobenzene	33	U
96-12-8	1,2-Dibromo-3-chloropropane	33	U
120-82-1	1,2,4-Trichlorobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
91-20-3	Naphthalene	33	U
87-61-6	1,2,3-Trichlorobenzene	33	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SREASTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-05A

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

Lab File ID: V1F3607

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 25

Date Analyzed: 04/15/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 12

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	8.04	41	J
2.	UNKNOWN	8.52	92	J
3.	CYCLIC ALKANE	8.71	54	J
4.	CYCLIC ALKANE	8.86	88	J
5.	CYCLIC ALKANE	9.16	82	J
6.	UNKNOWN	10.28	130	J
7.	UNKNOWN	10.47	34	J
8.	BRANCHED ALKANE	10.58	240	J
9.	UNKNOWN	10.92	35	J
10.	UNKNOWN	12.02	56	J
11.	UNKNOWN	12.20	73	J
12. 493-02-7	NAPHTHALENE, DECAHYDRO-, TRA	12.86	34	NJ
13.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SRFLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-06A

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

Lab File ID: V2F5744

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 17

Date Analyzed: 04/15/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

CONCENTRATION UNITS:

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

75-71-8-----	Dichlorodifluoromethane	300	U
74-87-3-----	Chloromethane	300	U
75-01-4-----	Vinyl Chloride	300	U
74-83-9-----	Bromomethane	300	U
75-00-3-----	Chloroethane	300	U
75-69-4-----	Trichlorofluoromethane	300	U
75-35-4-----	1,1-Dichloroethene	300	U
67-64-1-----	Acetone	300	U
74-88-4-----	Iodomethane	300	U
75-15-0-----	Carbon Disulfide	300	U
75-09-2-----	Methylene Chloride	300	U
156-60-5-----	trans-1,2-Dichloroethene	300	U
1634-04-4-----	Methyl tert-butyl ether	300	U
75-34-3-----	1,1-Dichloroethane	300	U
108-05-4-----	Vinyl acetate	300	U
78-93-3-----	2-Butanone	300	U
156-59-2-----	cis-1,2-Dichloroethene	89	J
590-20-7-----	2,2-Dichloropropane	300	U
74-97-5-----	Bromochloromethane	300	U
67-66-3-----	Chloroform	300	U
71-55-6-----	1,1,1-Trichloroethane	300	U
563-58-6-----	1,1-Dichloropropene	300	U
56-23-5-----	Carbon Tetrachloride	300	U
107-06-2-----	1,2-Dichloroethane	300	U
71-43-2-----	Benzene	300	U
79-01-6-----	Trichloroethene	130	J
78-87-5-----	1,2-Dichloropropane	300	U
74-95-3-----	Dibromomethane	300	U
75-27-4-----	Bromodichloromethane	300	U
10061-01-5-----	cis-1,3-Dichloropropene	300	U
108-10-1-----	4-Methyl-2-pentanone	300	U
108-88-3-----	Toluene	170	J
10061-02-6-----	trans-1,3-Dichloropropene	300	U
79-00-5-----	1,1,2-Trichloroethane	300	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SRFLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-06A

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

Lab File ID: V2F5744

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 17

Date Analyzed: 04/15/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	300	U
127-18-4	Tetrachloroethene	300	U
591-78-6	2-Hexanone	300	U
124-48-1	Dibromochloromethane	300	U
106-93-4	1,2-Dibromoethane	300	U
108-90-7	Chlorobenzene	300	U
630-20-6	1,1,1,2-Tetrachloroethane	300	U
100-41-4	Ethylbenzene	390	U
	m,p-Xylene	1700	U
95-47-6	o-Xylene	360	U
1330-20-7	Xylene (Total)	2100	U
100-42-5	Styrene	300	U
75-25-2	Bromoform	300	U
98-82-8	Isopropylbenzene	300	U
79-34-5	1,1,2,2-Tetrachloroethane	300	U
108-86-1	Bromobenzene	300	U
96-18-4	1,2,3-Trichloropropane	300	U
103-65-1	n-Propylbenzene	300	U
95-49-8	2-Chlorotoluene	300	U
108-67-8	1,3,5-Trimethylbenzene	300	U
106-43-4	4-Chlorotoluene	300	U
98-06-6	tert-Butylbenzene	300	U
95-63-6	1,2,4-Trimethylbenzene	300	U
135-98-8	sec-Butylbenzene	300	U
99-87-6	4-Isopropyltoluene	300	U
541-73-1	1,3-Dichlorobenzene	300	U
106-46-7	1,4-Dichlorobenzene	300	U
104-51-8	n-Butylbenzene	300	U
95-50-1	1,2-Dichlorobenzene	300	U
96-12-8	1,2-Dibromo-3-chloropropane	300	U
120-82-1	1,2,4-Trichlorobenzene	300	U
87-68-3	Hexachlorobutadiene	300	U
91-20-3	Naphthalene	300	U
87-61-6	1,2,3-Trichlorobenzene	300	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SRFLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-06A

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

Lab File ID: V2F5744

Level: (low/med) MED

Date Received: 04/04/03

% Moisture: not dec. 17

Date Analyzed: 04/15/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SRNORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-02A

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

Lab File ID: V1F3606

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 15

Date Analyzed: 04/15/03

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	29	U
74-87-3	Chloromethane	29	U
75-01-4	Vinyl Chloride	29	U
74-83-9	Bromomethane	29	U
75-00-3	Chloroethane	29	U
75-69-4	Trichlorofluoromethane	29	U
75-35-4	1,1-Dichloroethene	29	U
67-64-1	Acetone	60	
74-88-4	Iodomethane	29	U
75-15-0	Carbon Disulfide	29	U
75-09-2	Methylene Chloride	10	BJ
156-60-5	trans-1,2-Dichloroethene	29	U
1634-04-4	Methyl tert-butyl ether	29	U
75-34-3	1,1-Dichloroethane	29	U
108-05-4	Vinyl acetate	29	U
78-93-3	2-Butanone	9	J
156-59-2	cis-1,2-Dichloroethene	7	J
590-20-7	2,2-Dichloropropane	29	U
74-97-5	Bromochloromethane	29	U
67-66-3	Chloroform	29	U
71-55-6	1,1,1-Trichloroethane	29	U
563-58-6	1,1-Dichloropropene	29	U
56-23-5	Carbon Tetrachloride	29	U
107-06-2	1,2-Dichloroethane	29	U
71-43-2	Benzene	29	U
79-01-6	Trichloroethene	380	
78-87-5	1,2-Dichloropropane	29	U
74-95-3	Dibromomethane	29	U
75-27-4	Bromodichloromethane	29	U
10061-01-5	cis-1,3-Dichloropropene	29	U
108-10-1	4-Methyl-2-pentanone	29	U
108-88-3	Toluene	29	U
10061-02-6	trans-1,3-Dichloropropene	29	U
79-00-5	1,1,2-Trichloroethane	29	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SRNORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-02A

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

Lab File ID: V1F3606

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 15

Date Analyzed: 04/15/03

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SRNORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-02A

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

Lab File ID: V1F3606

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 15

Date Analyzed: 04/15/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

SRSOUTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-04A

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

Lab File ID: V1F3369

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 20

Date Analyzed: 04/04/03

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

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	4	J
74-88-4-----	Iodomethane	6	U
75-15-0-----	Carbon Disulfide	6	U
75-09-2-----	Methylene Chloride	4	JB
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	30	
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	7	
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	220	
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.

SRSOUTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-04A

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

Lab File ID: V1F3369

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 20

Date Analyzed: 04/04/03

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	6	U
127-18-4-----	Tetrachloroethene	1	J
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	6	U
95-47-6-----	o-Xylene	6	U
1330-20-7-----	Xylene (Total)	6	U
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	6	U
106-43-4-----	4-Chlorotoluene	6	U
98-06-6-----	tert-Butylbenzene	6	U
95-63-6-----	1,2,4-Trimethylbenzene	6	U
135-98-8-----	sec-Butylbenzene	6	U
99-87-6-----	4-Isopropyltoluene	6	U
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	6	U
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	U
87-61-6-----	1,2,3-Trichlorobenzene	6	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SRSOUTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-04A

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

Lab File ID: V1F3369

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 20

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.39	20	J
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SRWESTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-07A

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

Lab File ID: V1F3608

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 18

Date Analyzed: 04/15/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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	36	
74-88-4	Iodomethane	30	U
75-15-0	Carbon Disulfide	30	U
75-09-2	Methylene Chloride	30	U
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	10	J
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	100	
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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SRWESTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-07A

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

Lab File ID: V1F3608

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 18

Date Analyzed: 04/15/03

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	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	24	J
	m,p-Xylene	10	J
95-47-6	o-Xylene	30	U
1330-20-7	Xylene (Total)	10	J
100-42-5	Styrene	30	U
75-25-2	Bromoform	30	U
98-82-8	Isopropylbenzene	30	U
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	30	U
95-49-8	2-Chlorotoluene	30	U
108-67-8	1,3,5-Trimethylbenzene	30	U
106-43-4	4-Chlorotoluene	30	U
98-06-6	tert-Butylbenzene	30	U
95-63-6	1,2,4-Trimethylbenzene	30	U
135-98-8	sec-Butylbenzene	30	U
99-87-6	4-Isopropyltoluene	30	U
541-73-1	1,3-Dichlorobenzene	30	U
106-46-7	1,4-Dichlorobenzene	30	U
104-51-8	n-Butylbenzene	30	U
95-50-1	1,2-Dichlorobenzene	30	U
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	30	U
87-61-6	1,2,3-Trichlorobenzene	30	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SRWESTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0540

Matrix: (soil/water) SOIL

Lab Sample ID: B0540-07A

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

Lab File ID: V1F3608

Level: (low/med) LOW

Date Received: 04/04/03

% Moisture: not dec. 18

Date Analyzed: 04/15/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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Chain of Custody Record

24 HR TAT ON ALL SAMPLES

Project Number 32375		Project Name/Client Pelican - NYSDCE		Earth Tech Cooler #									
Sample Custodian: (Signature)		Analysis Required		Custody Seal #									
Item No.	Sample Description (Field ID Number)	Date	Time	Grab	Comp	PID Reading (ppm)	Label Number	Analysis Required	Custody Seal #	Sample Type	Matrix	Sample Container	
1	SP - SR - CLEAN	4.3	7:50		X	0.0				X	SOIL		
2	EXCAV - SR - North W	4.3	3:35	X		0.4				X			
3	SP - SR - WJC	4.3	5:38		X	HOT				X			
4	EXCAV - SR - South W	4.3	5:46	X		?				X			
5	EXCAV - SR - EAST W	4.3	5:45	X		?				X			
6	EXCAV - SR - FLOOR	4.3	5:55	X		?				X			
7	EXCAV - SR - WEST W	4.3	5:50	X		?				X			
8	EXCAV - SR - EAST S/G	4.3	5:50	X		HOT				X			
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
Relinquished by: (Signature) <i>William J...</i>		Date / Time 4.3 15:30		Received by: (Signature) <i>[Signature]</i>		Date / Time 4.3 15:30		Disposed of by: (Signature)		Date / Time		Items: Date / Time	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Date / Time		Disposed of by: (Signature)		Date / Time		Items: Date / Time	
Send Lab Results To: Keith Decker 40 British American Blvd Latham, NY 12110		Remarks: 24 HR TAT !!		Federal Express Airbill No.:		Lab:		Check Delivery Method: <input type="checkbox"/> Samples delivered in person <input checked="" type="checkbox"/> Common carrier		Laboratory Receiving Notes: Custody Seal Intact? Temp. of Shipping Container: Sample Condition:		Date / Time 4.4.03 09:00	

Mitkem Corporation

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

Project Name: NYSDEC Pelican Site

SDG: B0518

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
07FLOOR	B0518-01	8260				
07NORTHW	B0518-02	8260				
07EASTW	B0518-03	8260				
07SOUTHW	B0518-04	8260				
07WESTW	B0518-05	8260				
SP-07-WC	B0518-06	8260	8270			

Analytical Data Package for Earth Tech.

Client Project: Pelican – NYSDEC, 32375

SDG# B0518

Mitkem Project ID: B0518

April 29, 2003

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Pelican project. Under this deliverable, analysis results are presented for six soil samples that were collected on April 1, 2003, and received at Mitkem on April 2, 2003. Analyses were performed per specifications in the project's contract and the chain of custody forms. Please note that the temperature of the sample-shipping cooler was noted to be 15 degrees C, above the normal range of 2-6 degrees C. This was communicated to the client on April 2, 2003, who approved proceeding with the analyses. Sample identifications were shortened where necessary due to limitations in the software used to generate CLP-type report forms. A table of sample identifications showing full client ID, shortened client ID and laboratory ID follows this narrative, along with the Mitkem Work Order.

The analyses were performed according to NYSDEC ASP protocols (October 1995 update) and reported per NYSDEC ASP requirement for Category B deliverable.

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

1. Overall Observation:

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

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

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

000001

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/plicate: spike recoveries were within the QC limits with the exception of high recovery of 2,2-dichloropropane.

Sample analysis: due to high concentration of target analytes, sample SP-07-WC was analyzed at medium level. To ensure that all target analytes were determined within the instrument calibration range, samples SP-07-WC and 07EASTW were re-analyzed at dilution by medium level. In addition to medium level analysis, sample SP-07-WC was analyzed at 15x dilution. No other unusual observation was made for the analysis.

3. TCLP Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

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

Sample analysis: due to high concentration of target analytes, sample SP-07-WC was analyzed at 10x dilution. No other unusual observation was made for the analysis.

4. Semivolatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits with the exception of low recovery of pyrene.

Sample analysis: di-n-butylphthalate was detected in the method blank, but below the CRQL. If di-n-butylphthalate is determined in the associated samples, the concentration of di-n-butylphthalate will be flagged with a "B" flag. No other unusual observation was made for the analysis.

The pages in this report have been numbered consecutively, starting from this narrative 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 'Agnes Ng', written in a cursive style.

Agnes Ng
CLP Project Manager
04/29/03

*Mitkem and Client Sample ID Summary Report**

Mitkem Workorder: B0518

Client Name: Earth Tech

<i>Mitkem Sample ID</i>	<i>Reported Client Sample ID</i>	<i>Full Client Sample ID</i>
B0518-01A	07FLOOR	EXCAV-07-FLOOR
B0518-02A	07NORTHW	EXCAV-07-NORTHW
B0518-03A	07EASTW	EXCAV-07-EASTW
B0518-04A	07SOUTHW	EXCAV-07-SOUTHW
B0518-05A	07WESTW	EXCAV-07-WESTW
B0518-06A	SP-07-WC	
B0518-06B	SP-07-WC	

** If client sample ID has not been truncated, the full client sample ID is listed in the column labeled "Reported Client Sample ID"*

000004

Mitkem Corporation

03/Apr/03 12:35

WorkOrder: B0518

Client ID: EARTH_NY
 Project: NYSDEC Pelican Site
 Location:
 Comments: TCLP VOA added 4/3 per client request--EL.

Case:
 SDG:
 PO: 32375

Report Level: ASP-B
 EDD: XL
 HC Due: 04/16/03
 Fax Due: 04/03/03

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Iold	MS	SEL	Storage
B0518-01A	07FLOOR	04/01/03 14:45	04/02/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0518-02A	07NORTHW	04/01/03 15:05	04/02/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0518-03A	07EASTW	04/01/03 15:07	04/02/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0518-04A	07SOUTHW	04/01/03 15:55	04/02/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0518-05A	07WESTW	04/01/03 15:12	04/02/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0518-06A	SP-07-WC	04/01/03 15:00	04/02/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
					SW8260B_W	TCLP	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	VOA

000005

Mitkem Corporation

03/Apr/03 12:35

WorkOrder: B0518

Client ID: EARTH_NY

Project: NYSDEC Pelican Site

Location:

Comments: TCLP VOA added 4/3 per client request--EL.

Case:

SDG:

PO: 32375

Report Level: ASP-B

EDD: XL

HC Due: 04/16/03

Fax Due: 04/03/03

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	fold	MS	SEL	Storage
B0518-06B	SP-07-WC	04/01/03 15:00	04/02/03	Soil	SW8270C_S		2	5	6	14

Client Rep: Paul A Senecal

000006

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

07EASTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-03A

Sample wt/vol: 2.0 (g/mL) G

Lab File ID: V1F3344

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 16

Date Analyzed: 04/04/03

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	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	15	U
74-87-3	Chloromethane	15	U
75-01-4	Vinyl Chloride	15	U
74-83-9	Bromomethane	15	U
75-00-3	Chloroethane	15	U
75-69-4	Trichlorofluoromethane	15	U
75-35-4	1,1-Dichloroethene	15	U
67-64-1	Acetone	68	
74-88-4	Iodomethane	15	U
75-15-0	Carbon Disulfide	15	U
75-09-2	Methylene Chloride	8	JB
156-60-5	trans-1,2-Dichloroethene	15	U
1634-04-4	Methyl tert-butyl ether	15	U
75-34-3	1,1-Dichloroethane	15	U
108-05-4	Vinyl acetate	15	U
78-93-3	2-Butanone	15	U
156-59-2	cis-1,2-Dichloroethene	93	
590-20-7	2,2-Dichloropropane	15	U
74-97-5	Bromochloromethane	15	U
67-66-3	Chloroform	15	U
71-55-6	1,1,1-Trichloroethane	15	U
563-58-6	1,1-Dichloropropene	15	U
56-23-5	Carbon Tetrachloride	15	U
107-06-2	1,2-Dichloroethane	15	U
71-43-2	Benzene	15	U
79-01-6	Trichloroethene	1400	E
78-87-5	1,2-Dichloropropane	15	U
74-95-3	Dibromomethane	15	U
75-27-4	Bromodichloromethane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
108-10-1	4-Methyl-2-pentanone	15	U
108-88-3	Toluene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
79-00-5	1,1,2-Trichloroethane	15	U

520 D

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

07EASTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-03A

Sample wt/vol: 2.0 (g/mL) G

Lab File ID: V1F3344

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 16

Date Analyzed: 04/04/03

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

07EASTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-03A

Sample wt/vol: 2.0 (g/mL) G

Lab File ID: V1F3344

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 16

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

07EASTWDL

Lab Name: MITKEM CORPORATION Contract:
Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0518
Matrix: (soil/water) SOIL Lab Sample ID: B0518-03ADL
Sample wt/vol: 5.1 (g/mL) G Lab File ID: V6C5546
Level: (low/med) MED Date Received: 04/02/03
% Moisture: not dec. 16 Date Analyzed: 04/08/03
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	280	U
74-87-3-----	Chloromethane	280	U
75-01-4-----	Vinyl Chloride	280	U
74-83-9-----	Bromomethane	280	U
75-00-3-----	Chloroethane	280	U
75-69-4-----	Trichlorofluoromethane	280	U
75-35-4-----	1,1-Dichloroethene	280	U
67-64-1-----	Acetone	280	U
74-88-4-----	Iodomethane	280	U
75-15-0-----	Carbon Disulfide	280	U
75-09-2-----	Methylene Chloride	280	U
156-60-5-----	trans-1,2-Dichloroethene	280	U
1634-04-4-----	Methyl tert-butyl ether	280	U
75-34-3-----	1,1-Dichloroethane	280	U
108-05-4-----	Vinyl acetate	280	U
78-93-3-----	2-Butanone	280	U
156-59-2-----	cis-1,2-Dichloroethene	280	U
590-20-7-----	2,2-Dichloropropane	280	U
74-97-5-----	Bromochloromethane	280	U
67-66-3-----	Chloroform	280	U
71-55-6-----	1,1,1-Trichloroethane	280	U
563-58-6-----	1,1-Dichloropropene	280	U
56-23-5-----	Carbon Tetrachloride	280	U
107-06-2-----	1,2-Dichloroethane	280	U
71-43-2-----	Benzene	280	U
79-01-6-----	Trichloroethene	520	D
78-87-5-----	1,2-Dichloropropane	280	U
74-95-3-----	Dibromomethane	280	U
75-27-4-----	Bromodichloromethane	280	U
10061-01-5-----	cis-1,3-Dichloropropene	280	U
108-10-1-----	4-Methyl-2-pentanone	280	U
108-88-3-----	Toluene	280	U
10061-02-6-----	trans-1,3-Dichloropropene	280	U
79-00-5-----	1,1,2-Trichloroethane	280	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

07EASTWDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-03ADL

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

Lab File ID: V6C5546

Level: (low/med) MED

Date Received: 04/02/03

% Moisture: not dec. 16

Date Analyzed: 04/08/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	280	U
127-18-4	Tetrachloroethene	280	U
591-78-6	2-Hexanone	280	U
124-48-1	Dibromochloromethane	280	U
106-93-4	1,2-Dibromoethane	280	U
108-90-7	Chlorobenzene	280	U
630-20-6	1,1,1,2-Tetrachloroethane	280	U
100-41-4	Ethylbenzene	280	U
	m,p-Xylene	280	U
95-47-6	o-Xylene	280	U
1330-20-7	Xylene (Total)	280	U
100-42-5	Styrene	280	U
75-25-2	Bromoform	280	U
98-82-8	Isopropylbenzene	280	U
79-34-5	1,1,2,2-Tetrachloroethane	280	U
108-86-1	Bromobenzene	280	U
96-18-4	1,2,3-Trichloropropane	280	U
103-65-1	n-Propylbenzene	280	U
95-49-8	2-Chlorotoluene	280	U
108-67-8	1,3,5-Trimethylbenzene	280	U
106-43-4	4-Chlorotoluene	280	U
98-06-6	tert-Butylbenzene	280	U
95-63-6	1,2,4-Trimethylbenzene	280	U
135-98-8	sec-Butylbenzene	280	U
99-87-6	4-Isopropyltoluene	280	U
541-73-1	1,3-Dichlorobenzene	280	U
106-46-7	1,4-Dichlorobenzene	280	U
104-51-8	n-Butylbenzene	280	U
95-50-1	1,2-Dichlorobenzene	280	U
96-12-8	1,2-Dibromo-3-chloropropane	280	U
120-82-1	1,2,4-Trichlorobenzene	280	U
87-68-3	Hexachlorobutadiene	280	U
91-20-3	Naphthalene	280	U
87-61-6	1,2,3-Trichlorobenzene	280	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

07FLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-01A

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V1F3343

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 15

Date Analyzed: 04/04/03

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
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	12
74-88-4	Iodomethane	5 U
75-15-0	Carbon Disulfide	5 U
75-09-2	Methylene Chloride	2 JB
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	73
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	29
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.

07FLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-01A

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V1F3343

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 15

Date Analyzed: 04/04/03

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	5	U
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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

07FLOOR

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-01A

Sample wt/vol: 5.5 (g/mL) G

Lab File ID: V1F3343

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 15

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

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

EPA SAMPLE NO.

07NORTHW

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0518
 Matrix: (soil/water) SOIL Lab Sample ID: B0518-02A
 Sample wt/vol: 5.1 (g/mL) G Lab File ID: V1F3280
 Level: (low/med) LOW Date Received: 04/02/03
 % Moisture: not dec. 12 Date Analyzed: 04/02/03
 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

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	19	
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	110	
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.

07NORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-02A

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

Lab File ID: V1F3280

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 12

Date Analyzed: 04/02/03

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	6	U
95-47-6	o-Xylene	6	U
1330-20-7	Xylene (Total)	6	U
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	6	U
106-43-4	4-Chlorotoluene	6	U
98-06-6	tert-Butylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
99-87-6	4-Isopropyltoluene	6	U
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	6	U
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	U
87-61-6	1,2,3-Trichlorobenzene	6	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

07NORTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-02A

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

Lab File ID: V1F3280

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 12

Date Analyzed: 04/02/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	11.39	35	NJB
2.	UNKNOWN	13.57	16	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

07SOUTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-04A

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

Lab File ID: V1F3374

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 12

Date Analyzed: 04/04/03

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

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	3	JB
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	68	
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.

07SOUTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-04A

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

Lab File ID: V1F3374

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 12

Date Analyzed: 04/04/03

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	2	J
	m,p-Xylene	5	J
95-47-6	o-Xylene	6	U
1330-20-7	Xylene (Total)	5	J
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	6	U
106-43-4	4-Chlorotoluene	6	U
98-06-6	tert-Butylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
99-87-6	4-Isopropyltoluene	6	U
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	6	U
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	U
87-61-6	1,2,3-Trichlorobenzene	6	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

07SOUTHW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-04A

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

Lab File ID: V1F3374

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 12

Date Analyzed: 04/04/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.39	20	J
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

07WESTW

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0518
 Matrix: (soil/water) SOIL Lab Sample ID: B0518-05A
 Sample wt/vol: 5.1 (g/mL) G Lab File ID: V1F3283
 Level: (low/med) LOW Date Received: 04/02/03
 % Moisture: not dec. 14 Date Analyzed: 04/02/03
 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	UG/KG	Q
75-71-8	Dichlorodifluoromethane	6	U
74-87-3	Chloromethane	6	U
75-01-4	Vinyl Chloride	2	J
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	2	JB
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	21	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	89	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

07WESTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-05A

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

Lab File ID: V1F3283

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 14

Date Analyzed: 04/02/03

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		6 U
95-47-6-----	o-Xylene		6 U
1330-20-7-----	Xylene (Total)		6 U
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		6 U
106-43-4-----	4-Chlorotoluene		6 U
98-06-6-----	tert-Butylbenzene		6 U
95-63-6-----	1,2,4-Trimethylbenzene		6 U
135-98-8-----	sec-Butylbenzene		6 U
99-87-6-----	4-Isopropyltoluene		6 U
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		6 U
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 U
87-61-6-----	1,2,3-Trichlorobenzene		6 U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

07WESTW

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-05A

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

Lab File ID: V1F3283

Level: (low/med) LOW

Date Received: 04/02/03

% Moisture: not dec. 14

Date Analyzed: 04/02/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 13

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	CYCLIC ALKANE	9.81	6	J
2.	UNKNOWN	10.25	6	J
3.	UNKNOWN	10.72	11	J
4.	UNKNOWN	11.21	8	J
5. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	11.39	31	NJB
6.	UNKNOWN	12.21	24	J
7. 493-02-7	NAPHTHALENE, DECAHYDRO-, TRA	12.84	68	NJ
8.	UNKNOWN	13.58	29	J
9. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	13.81	55	NJ
10.	UNKNOWN	14.46	66	J
11.	UNKNOWN	14.97	86	J
12.	UNKNOWN	15.38	110	J
13.	UNKNOWN	17.11	10	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP-07-WC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-06A

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

Lab File ID: V6C5444

Level: (low/med) MED

Date Received: 04/02/03

% Moisture: not dec. 21

Date Analyzed: 04/02/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	UG/KG	Q
75-71-8	Dichlorodifluoromethane	300	U
74-87-3	Chloromethane	300	U
75-01-4	Vinyl Chloride	300	U
74-83-9	Bromomethane	300	U
75-00-3	Chloroethane	300	U
75-69-4	Trichlorofluoromethane	300	U
75-35-4	1,1-Dichloroethene	300	U
67-64-1	Acetone	300	U
74-88-4	Iodomethane	300	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	300	U
156-60-5	trans-1,2-Dichloroethene	300	U
1634-04-4	Methyl tert-butyl ether	300	U
75-34-3	1,1-Dichloroethane	300	U
108-05-4	Vinyl acetate	300	U
78-93-3	2-Butanone	300	U
156-59-2	cis-1,2-Dichloroethene	15000	E
590-20-7	2,2-Dichloropropane	300	U
74-97-5	Bromochloromethane	300	U
67-66-3	Chloroform	300	U
71-55-6	1,1,1-Trichloroethane	300	U
563-58-6	1,1-Dichloropropene	300	U
56-23-5	Carbon Tetrachloride	300	U
107-06-2	1,2-Dichloroethane	300	U
71-43-2	Benzene	300	U
79-01-6	Trichloroethene	110000	E
78-87-5	1,2-Dichloropropane	300	U
74-95-3	Dibromomethane	300	U
75-27-4	Bromodichloromethane	300	U
10061-01-5	cis-1,3-Dichloropropene	300	U
108-10-1	4-Methyl-2-pentanone	300	U
108-88-3	Toluene	6900	
10061-02-6	trans-1,3-Dichloropropene	300	U
79-00-5	1,1,2-Trichloroethane	300	U

1605 D

180000

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP-07-WC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-06A

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

Lab File ID: V6C5444

Level: (low/med) MED

Date Received: 04/02/03

% Moisture: not dec. 21

Date Analyzed: 04/02/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	300	U
127-18-4	Tetrachloroethene	620	U
591-78-6	2-Hexanone	300	U
124-48-1	Dibromochloromethane	300	U
106-93-4	1,2-Dibromoethane	300	U
108-90-7	Chlorobenzene	300	U
630-20-6	1,1,1,2-Tetrachloroethane	300	U
100-41-4	Ethylbenzene	61	J
	m,p-Xylene	180	J
95-47-6	o-Xylene	85	J
1330-20-7	Xylene (Total)	270	J
100-42-5	Styrene	300	U
75-25-2	Bromoform	300	U
98-82-8	Isopropylbenzene	300	U
79-34-5	1,1,2,2-Tetrachloroethane	300	U
108-86-1	Bromobenzene	300	U
96-18-4	1,2,3-Trichloropropane	300	U
103-65-1	n-Propylbenzene	300	U
95-49-8	2-Chlorotoluene	300	U
108-67-8	1,3,5-Trimethylbenzene	300	U
106-43-4	4-Chlorotoluene	300	U
98-06-6	tert-Butylbenzene	300	U
95-63-6	1,2,4-Trimethylbenzene	72	J
135-98-8	sec-Butylbenzene	300	U
99-87-6	4-Isopropyltoluene	300	U
541-73-1	1,3-Dichlorobenzene	300	U
106-46-7	1,4-Dichlorobenzene	300	U
104-51-8	n-Butylbenzene	300	U
95-50-1	1,2-Dichlorobenzene	300	U
96-12-8	1,2-Dibromo-3-chloropropane	300	U
120-82-1	1,2,4-Trichlorobenzene	300	U
87-68-3	Hexachlorobutadiene	300	U
91-20-3	Naphthalene	300	U
87-61-6	1,2,3-Trichlorobenzene	300	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SP-07-WC

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-06A

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

Lab File ID: V6C5444

Level: (low/med) MED

Date Received: 04/02/03

% Moisture: not dec. 21

Date Analyzed: 04/02/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 16

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	11.92	330	J
2.	UNKNOWN	12.44	340	J
3.	UNKNOWN	12.75	570	J
4.	UNKNOWN	13.52	670	J
5. 493-02-7	NAPHTHALENE, DECAHYDRO-, TRA	14.03	470	NJ
6.	UNKNOWN	14.14	750	J
7.	UNKNOWN	14.35	640	J
8.	UNKNOWN	14.50	690	J
9.	UNKNOWN	14.75	340	J
10.	UNKNOWN	14.82	360	J
11. 2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	14.99	1100	NJ
12.	UNKNOWN	15.40	490	J
13.	UNKNOWN	15.50	420	J
14.	UNKNOWN	15.58	680	J
15.	UNKNOWN	16.14	730	J
16.	UNKNOWN	16.90	270	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP-07-WCDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-06ADL

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

Lab File ID: V6C5446

Level: (low/med) MED

Date Received: 04/02/03

% Moisture: not dec. 21

Date Analyzed: 04/02/03

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

Dilution Factor: 15.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	4600	U
74-87-3	Chloromethane	4600	U
75-01-4	Vinyl Chloride	4600	U
74-83-9	Bromomethane	4600	U
75-00-3	Chloroethane	4600	U
75-69-4	Trichlorofluoromethane	4600	U
75-35-4	1,1-Dichloroethene	4600	U
67-64-1	Acetone	4600	U
74-88-4	Iodomethane	4600	U
75-15-0	Carbon Disulfide	4600	U
75-09-2	Methylene Chloride	4600	U
156-60-5	trans-1,2-Dichloroethene	4600	U
1634-04-4	Methyl tert-butyl ether	4600	U
75-34-3	1,1-Dichloroethane	4600	U
108-05-4	Vinyl acetate	4600	U
78-93-3	2-Butanone	4600	U
156-59-2	cis-1,2-Dichloroethene	16000	D
590-20-7	2,2-Dichloropropane	4600	U
74-97-5	Bromochloromethane	4600	U
67-66-3	Chloroform	4600	U
71-55-6	1,1,1-Trichloroethane	4600	U
563-58-6	1,1-Dichloropropene	4600	U
56-23-5	Carbon Tetrachloride	4600	U
107-06-2	1,2-Dichloroethane	4600	U
71-43-2	Benzene	4600	U
79-01-6	Trichloroethene	180000	D
78-87-5	1,2-Dichloropropane	4600	U
74-95-3	Dibromomethane	4600	U
75-27-4	Bromodichloromethane	4600	U
10061-01-5	cis-1,3-Dichloropropene	4600	U
108-10-1	4-Methyl-2-pentanone	4600	U
108-88-3	Toluene	7800	D
10061-02-6	trans-1,3-Dichloropropene	4600	U
79-00-5	1,1,2-Trichloroethane	4600	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SP-07-WCDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-06ADL

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

Lab File ID: V6C5446

Level: (low/med) MED

Date Received: 04/02/03

% Moisture: not dec. 21

Date Analyzed: 04/02/03

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

Dilution Factor: 15.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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142-28-9-----	1,3-Dichloropropane	4600	U
127-18-4-----	Tetrachloroethene	4600	U
591-78-6-----	2-Hexanone	4600	U
124-48-1-----	Dibromochloromethane	4600	U
106-93-4-----	1,2-Dibromoethane	4600	U
108-90-7-----	Chlorobenzene	4600	U
630-20-6-----	1,1,1,2-Tetrachloroethane	4600	U
100-41-4-----	Ethylbenzene	4600	U
-----	m,p-Xylene	4600	U
95-47-6-----	o-Xylene	4600	U
1330-20-7-----	Xylene (Total)	4600	U
100-42-5-----	Styrene	4600	U
75-25-2-----	Bromoform	4600	U
98-82-8-----	Isopropylbenzene	4600	U
79-34-5-----	1,1,2,2-Tetrachloroethane	4600	U
108-86-1-----	Bromobenzene	4600	U
96-18-4-----	1,2,3-Trichloropropane	4600	U
103-65-1-----	n-Propylbenzene	4600	U
95-49-8-----	2-Chlorotoluene	4600	U
108-67-8-----	1,3,5-Trimethylbenzene	4600	U
106-43-4-----	4-Chlorotoluene	4600	U
98-06-6-----	tert-Butylbenzene	4600	U
95-63-6-----	1,2,4-Trimethylbenzene	4600	U
135-98-8-----	sec-Butylbenzene	4600	U
99-87-6-----	4-Isopropyltoluene	4600	U
541-73-1-----	1,3-Dichlorobenzene	4600	U
106-46-7-----	1,4-Dichlorobenzene	4600	U
104-51-8-----	n-Butylbenzene	4600	U
95-50-1-----	1,2-Dichlorobenzene	4600	U
96-12-8-----	1,2-Dibromo-3-chloropropane	4600	U
120-82-1-----	1,2,4-Trichlorobenzene	4600	U
87-68-3-----	Hexachlorobutadiene	4600	U
91-20-3-----	Naphthalene	4600	U
87-61-6-----	1,2,3-Trichlorobenzene	4600	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SP-07-WCDL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0518

Matrix: (soil/water) SOIL

Lab Sample ID: B0518-06ADL

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

Lab File ID: V6C5446

Level: (low/med) MED

Date Received: 04/02/03

% Moisture: not dec. 21

Date Analyzed: 04/02/03

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

Dilution Factor: 15.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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175 Metro Center Boulevard
 Warwick, Rhode Island 02886-1755
 (401) 732-3400 • Fax (401) 732-3499
 email: mitkem@mitkem.com

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO						
COMPANY	NAME	COMPANY	NAME					
Earth Tech	Keith Decker	SAME #	\$150 / per Sample					
PHONE	FAX	PHONE	FAX					
516.951-2200	516.951-2300							
ADDRESS	CITY/STATE/ZIP	ADDRESS	CITY/STATE/ZIP					
Washington Street	Latham NY 12110	per Ben Andryg						
CLIENT PROJECT #	CLIENT PROJECT #	REQUESTED ANALYSES	LAB PROJECT #					
32375	32375		Bos 18					
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	COMMENTS
EXC-07-FLOOR	4-1-03 / 2:45	X	X	X	-1		24 HR TAT	
EXC-07-NORTHW	" / 3:05	X	X	X	-2		"	
EXC-07-EASTW	" / 3:07	X	X	X	-3		"	
EXC-07-SOUTHW	" / 2:55	X	X	X	-4		"	
EXC-07-WESTW	" / 3:12	X	X	X	-5		"	
SP-07-WC	" / 4:00	X	X	X	-6		"	
RELINQUISHED BY		DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS		COOLER TEMP	
William Decker		4-1-03 / 5:00pm	John Rucella	4-2-03 / 0900	Request 24 HR TAT		15°C	
		/		/	RESULTS DUE BY THURS. 4-3-03			
		/		/	@ 10:30AM			

FAX

To: ED Lawler Date: 4/3/03
 Fax #: 401 732-3499
 Company: _____
 From: Keith Decker Ext. #: 518-951-2229
 Address: Albany, NY Sending From Fax#: _____
40 British American Blvd. 518-951-2300
Latham, New York 12110
 Project #: pelican
 Subject: ~~etc~~ SP-07 WC

Comments: Can you run TCLP on this sample

per Keith Decker
 BOS18 → (1) - run TCLP on a 24hr TAT. if possible (results late Friday 4/4)
 BOS24 → (2) - Lloyd Kahn request on "pent" sample rec'd today 4/3. - sub-out ok.
 -07?

If you do not receive _____ Pages (including cover page), please call us as soon as possible at (518) ~~458-1913~~ 951-2200

[Signature]
 4/3/03
 000009

FAX

Date: 4/3/03
 To: ED Lawler Fax #: 401 732-3499
 Company: _____

From: Keith Decker Ext. #: 518-951-2229
 Address: Albany, NY Sending From Fax#: _____
40 British American Blvd. 518-951-2300
Latham, New York 12110

Project #: PELICAN
 Subject: ~~etc~~ SP-07 WC

Comments: Can you run TCLP on this sample - B0518

ED, I authorize mitkem to analyze
the sent sample for TOC & LOA (KOH). I UNDERSTAND - B0524-07
it cannot be rushed, but please provide as soon
as practical.
Thanks
Keith

If you do not receive _____ Pages (including cover page),
 please call us as soon as possible at (518) ~~458-1913~~
 951-2200



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

CHAIN-OF-CUSTODY RECORD

REPORT TO:			INVOICE TO:			LAB PROJECT #				
COMPANY	EARTH TECH	PHONE	518-951-2200	COMPANY	SAME &	80518				
NAME	Keith Becker	FAX	518-951-2300	NAME	\$150 / per Sample					
ADDRESS	Abingdon Street			ADDRESS	per Ben Dodge					
CITY/STATE/ZIP	Latham NY 12110			CITY/STATE/ZIP		24 HR TAT				
CLIENT PROJECT #:	32375	CLIENT P.O.#:	32375	REQUESTED ANALYSES						
LABORATORY PROJECT #:	32375	BLDG - VOC 8710-SVCL FOR LEAD P VOC FOR LEAD KHRN								
COMPOSITE	X						SOIL	X		
WATER	X						OTHER	X		
GRAB	X							X		
DATE/TIME SAMPLED	4-1-03 / 2:45							X		
SAMPLE IDENTIFICATION						COMMENTS				
EX-01V-07-FLOOR	" / 3:05		X			24 HR TAT				
EX-01V-07-NORTH W	" / 3:07		X			"				
EX-01V-07-EAST W	" / 3:07		X			"				
EX-01V-07-SOUTH W	" / 3:12		X			"				
EX-01V-07-WEST W	" / 4:00		X			"				
SP-07 - VOC			X			"				
Peat Sample						80524-07				
DATE/TIME	4-1-03 / 5:00pm	DATE/TIME	4-2-03 / 0900	DATE/TIME						
RELINQUISHED BY	William [Signature]	ACCEPTED BY	[Signature]	ADDITIONAL REMARKS:	Request 24 HR TAT	COOLER TEMP: 15°C				
TSF#					RESULTS DUE BY	THURS. 4-3-03 @ 10:30AM				

Mitkem Corporation

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

Project Name: NYSDEC Pelican Site

SDG: B0602

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOA GC/MS Method #	SVOA GC/MS Method #	Pest/PCB Method #	Metals	Other
TP3-PEAT	B0602-01	8260				
TP4-GSAND	B0602-02	8260				
TP3-GSAND	B0602-03	8260				
TP4-PEAT	B0602-04	8260				

NYASP 10/95

Analytical Data Package for Earth Tech.

Client Project: Pelican - NYSDEC, 32375

SDG# B0602

Mitkem Project ID: B0602

May 20, 2003

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Pelican project. Under this deliverable, analysis results are presented for four soil samples that were collected on April 15, 2003, and received at Mitkem on April 16, 2003. Analyses were performed per specifications in the project's contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID with laboratory sample ID.

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

1. Overall Observation:

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

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

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

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/lab control sample duplicate: spike recoveries were within the QC limits with the exception of high recovery of trichlorofluoromethane in VIULCSD. Replicate RPDs were within the QC limits.

000001

Sample analysis: due to high concentration of cis-1,2-dichloropropene, sample TP3-PEAT was analyzed at medium level. No other unusual observation was made for the analysis.

The pages in this report have been numbered consecutively, starting from this narrative 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 "Agnes Ng". The signature is stylized with a large, looped initial "A" and "N".

Agnes Ng
CLP Project Manager
05/20/03

Client ID: EARTH_NY
 Project: NYSDEC Pelican Site
 Location: 32375
 Comments: N/A

Case:
 SDG:
 PO: 32375

Report Level: ASP-B
 EDD: XL
 HC Due: 04/30/03
 Fax Due:

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Hold	MS	SEL	Storage
B0602-01A	TP3-PEAT	04/15/03 11:15	04/16/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A5
SW8260B_LOW_S										
B0602-02A	TP4-GSAND	04/15/03 11:45	04/16/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A5
SW8260B_LOW_S										
B0602-03A	TP3-GSAND	04/15/03 11:15	04/16/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A5
SW8260B_LOW_S										
B0602-04A	TP4-PEAT	04/15/03 11:45	04/16/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A5
SW8260B_LOW_S										

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP3-GSAND

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0602

Matrix: (soil/water) SOIL

Lab Sample ID: B0602-03A

Sample wt/vol: 2.2 (g/mL) G

Lab File ID: V1F3804

Level: (low/med) LOW

Date Received: 04/16/03

% Moisture: not dec. 17

Date Analyzed: 04/26/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

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

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	14	U
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	14	U
67-64-1	Acetone	54	B
74-88-4	Iodomethane	14	U
75-15-0	Carbon Disulfide	7	J
75-09-2	Methylene Chloride	8	JB
156-60-5	trans-1,2-Dichloroethene	14	U
1634-04-4	Methyl tert-butyl ether	14	U
75-34-3	1,1-Dichloroethane	14	U
108-05-4	Vinyl acetate	14	U
78-93-3	2-Butanone	14	U
156-59-2	cis-1,2-Dichloroethene	130	
590-20-7	2,2-Dichloropropane	14	U
74-97-5	Bromochloromethane	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	14	U
563-58-6	1,1-Dichloropropene	14	U
56-23-5	Carbon Tetrachloride	14	U
107-06-2	1,2-Dichloroethane	14	U
71-43-2	Benzene	4	J
79-01-6	Trichloroethene	14	
78-87-5	1,2-Dichloropropane	14	U
74-95-3	Dibromomethane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-pentanone	14	U
108-88-3	Toluene	11	J
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	14	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP3-GSAND

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: B0602

Matrix: (soil/water) SOIL Lab Sample ID: B0602-03A

Sample wt/vol: 2.2 (g/mL) G Lab File ID: V1F3804

Level: (low/med) LOW Date Received: 04/16/03

% Moisture: not dec. 17 Date Analyzed: 04/26/03

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	UG/KG	Q
142-28-9-----	1,3-Dichloropropane	14	U
127-18-4-----	Tetrachloroethene	14	U
591-78-6-----	2-Hexanone	14	U
124-48-1-----	Dibromochloromethane	14	U
106-93-4-----	1,2-Dibromoethane	14	U
108-90-7-----	Chlorobenzene	14	U
630-20-6-----	1,1,1,2-Tetrachloroethane	14	U
100-41-4-----	Ethylbenzene	14	U
-----	m,p-Xylene	10	J
95-47-6-----	o-Xylene	3	J
1330-20-7-----	Xylene (Total)	13	J
100-42-5-----	Styrene	14	U
75-25-2-----	Bromoform	14	U
98-82-8-----	Isopropylbenzene	14	U
79-34-5-----	1,1,2,2-Tetrachloroethane	14	U
108-86-1-----	Bromobenzene	14	U
96-18-4-----	1,2,3-Trichloropropane	14	U
103-65-1-----	n-Propylbenzene	14	U
95-49-8-----	2-Chlorotoluene	14	U
108-67-8-----	1,3,5-Trimethylbenzene	3	J
106-43-4-----	4-Chlorotoluene	14	U
98-06-6-----	tert-Butylbenzene	14	U
95-63-6-----	1,2,4-Trimethylbenzene	6	J
135-98-8-----	sec-Butylbenzene	14	U
99-87-6-----	4-Isopropyltoluene	14	U
541-73-1-----	1,3-Dichlorobenzene	14	U
106-46-7-----	1,4-Dichlorobenzene	14	U
104-51-8-----	n-Butylbenzene	14	U
95-50-1-----	1,2-Dichlorobenzene	14	U
96-12-8-----	1,2-Dibromo-3-chloropropane	14	U
120-82-1-----	1,2,4-Trichlorobenzene	14	U
87-68-3-----	Hexachlorobutadiene	14	U
91-20-3-----	Naphthalene	14	U
87-61-6-----	1,2,3-Trichlorobenzene	14	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP3-GSAND

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0602

Matrix: (soil/water) SOIL

Lab Sample ID: B0602-03A

Sample wt/vol: 2.2 (g/mL) G

Lab File ID: V1F3804

Level: (low/med) LOW

Date Received: 04/16/03

% Moisture: not dec. 17

Date Analyzed: 04/26/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	STRAIGHT-CHAIN ALKANE	2.83	21	J
2.	STRAIGHT-CHAIN ALKANE	4.42	18	J
3.	CYCLIC ALKANE	7.15	25	J
4.				
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30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP3-PEAT

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0602
 Matrix: (soil/water) SOIL Lab Sample ID: B0602-01A
 Sample wt/vol: 5.1 (g/mL) G Lab File ID: V5E6029
 Level: (low/med) MED Date Received: 04/16/03
 % Moisture: not dec. 80 Date Analyzed: 04/24/03
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0 (uL)

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

CAS NO. COMPOUND Q

75-71-8	Dichlorodifluoromethane	1200	U
74-87-3	Chloromethane	1200	U
75-01-4	Vinyl Chloride	1200	U
74-83-9	Bromomethane	1200	U
75-00-3	Chloroethane	1200	U
75-69-4	Trichlorofluoromethane	1200	U
75-35-4	1,1-Dichloroethene	1200	U
67-64-1	Acetone	1200	U
74-88-4	Iodomethane	1200	U
75-15-0	Carbon Disulfide	1200	U
75-09-2	Methylene Chloride	1200	U
156-60-5	trans-1,2-Dichloroethene	1200	U
1634-04-4	Methyl tert-butyl ether	1200	U
75-34-3	1,1-Dichloroethane	1200	U
108-05-4	Vinyl acetate	1200	U
78-93-3	2-Butanone	1200	U
156-59-2	cis-1,2-Dichloroethene	2900	
590-20-7	2,2-Dichloropropane	1200	U
74-97-5	Bromochloromethane	1200	U
67-66-3	Chloroform	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
563-58-6	1,1-Dichloropropene	1200	U
56-23-5	Carbon Tetrachloride	1200	U
107-06-2	1,2-Dichloroethane	1200	U
71-43-2	Benzene	1200	U
79-01-6	Trichloroethene	1200	J
78-87-5	1,2-Dichloropropane	1200	U
74-95-3	Dibromomethane	1200	U
75-27-4	Bromodichloromethane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
108-10-1	4-Methyl-2-pentanone	1200	U
108-88-3	Toluene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP3-PEAT

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0602

Matrix: (soil/water) SOIL

Lab Sample ID: B0602-01A

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

Lab File ID: V5E6029

Level: (low/med) MED

Date Received: 04/16/03

% Moisture: not dec. 80

Date Analyzed: 04/24/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.

COMPOUND

Q

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP3-PEAT

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0602

Matrix: (soil/water) SOIL

Lab Sample ID: B0602-01A

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

Lab File ID: V5E6029

Level: (low/med) MED

Date Received: 04/16/03

% Moisture: not dec. 80

Date Analyzed: 04/24/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
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9.				
10.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP4-GSAND

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0602

Matrix: (soil/water) SOIL

Lab Sample ID: B0602-02A

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

Lab File ID: V1F3749

Level: (low/med) LOW

Date Received: 04/16/03

% Moisture: not dec. 19

Date Analyzed: 04/22/03

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

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	56	B
74-88-4	Iodomethane	6	U
75-15-0	Carbon Disulfide	4	J
75-09-2	Methylene Chloride	23	B
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	5	J
156-59-2	cis-1,2-Dichloroethene	1	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	2	J
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	7	
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.

TP4-GSAND

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0602

Matrix: (soil/water) SOIL

Lab Sample ID: B0602-02A

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

Lab File ID: V1F3749

Level: (low/med) LOW

Date Received: 04/16/03

% Moisture: not dec. 19

Date Analyzed: 04/22/03

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	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	3	J
95-47-6-----o-Xylene	6	U
1330-20-7-----Xylene (Total)	3	J
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	6	U
106-43-4-----4-Chlorotoluene	6	U
98-06-6-----tert-Butylbenzene	6	U
95-63-6-----1,2,4-Trimethylbenzene	2	J
135-98-8-----sec-Butylbenzene	6	U
99-87-6-----4-Isopropyltoluene	6	U
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	6	U
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	U
87-61-6-----1,2,3-Trichlorobenzene	6	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP4-GSAND

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0602

Matrix: (soil/water) SOIL

Lab Sample ID: B0602-02A

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

Lab File ID: V1F3749

Level: (low/med) LOW

Date Received: 04/16/03

% Moisture: not dec. 19

Date Analyzed: 04/22/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	STRAIGHT-CHAIN ALKANE	2.43	18	J
2.	STRAIGHT-CHAIN ALKANE	3.89	12	J
3.	STRAIGHT-CHAIN ALKANE	7.97	6	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP4-PEAT

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0602

Matrix: (soil/water) SOIL

Lab Sample ID: B0602-04A

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

Lab File ID: V1F3751

Level: (low/med) LOW

Date Received: 04/16/03

% Moisture: not dec. 82

Date Analyzed: 04/22/03

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

75-71-8	Dichlorodifluoromethane	26	U
74-87-3	Chloromethane	26	U
75-01-4	Vinyl Chloride	26	U
74-83-9	Bromomethane	26	U
75-00-3	Chloroethane	26	U
75-69-4	Trichlorofluoromethane	26	U
75-35-4	1,1-Dichloroethene	26	U
67-64-1	Acetone	950	B
74-88-4	Iodomethane	26	U
75-15-0	Carbon Disulfide	63	
75-09-2	Methylene Chloride	330	B
156-60-5	trans-1,2-Dichloroethene	26	U
1634-04-4	Methyl tert-butyl ether	26	U
75-34-3	1,1-Dichloroethane	26	U
108-05-4	Vinyl acetate	26	U
78-93-3	2-Butanone	140	
156-59-2	cis-1,2-Dichloroethene	24	J
590-20-7	2,2-Dichloropropane	26	U
74-97-5	Bromochloromethane	26	U
67-66-3	Chloroform	26	U
71-55-6	1,1,1-Trichloroethane	26	U
563-58-6	1,1-Dichloropropene	26	U
56-23-5	Carbon Tetrachloride	26	U
107-06-2	1,2-Dichloroethane	26	U
71-43-2	Benzene	26	U
79-01-6	Trichloroethene	42	
78-87-5	1,2-Dichloropropane	26	U
74-95-3	Dibromomethane	26	U
75-27-4	Bromodichloromethane	26	U
10061-01-5	cis-1,3-Dichloropropene	26	U
108-10-1	4-Methyl-2-pentanone	26	U
108-88-3	Toluene	26	U
10061-02-6	trans-1,3-Dichloropropene	26	U
79-00-5	1,1,2-Trichloroethane	26	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP4-PEAT

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0602

Matrix: (soil/water) SOIL

Lab Sample ID: B0602-04A

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

Lab File ID: V1F3751

Level: (low/med) LOW

Date Received: 04/16/03

% Moisture: not dec. 82

Date Analyzed: 04/22/03

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP4-PEAT

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0602

Matrix: (soil/water) SOIL

Lab Sample ID: B0602-04A

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

Lab File ID: V1F3751

Level: (low/med) LOW

Date Received: 04/16/03

% Moisture: not dec. 82

Date Analyzed: 04/22/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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Analytical Data Package for Earth Tech.

Client Project: Pelican Manufacturing – NYSDEC, 32375

SDG# B0619

Mitkem Project ID: B0619

May 20, 2003

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to Earth Tech's Pelican project. Under this deliverable, analysis results are presented for two soil samples that were collected on April 17, 2003, and received at Mitkem on April 18, 2003. Analyses were performed per specifications in the project's contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID with laboratory sample ID.

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

1. Overall Observation:

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

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

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

2. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

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

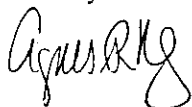
Sample analysis: due to high concentration of target analytes, sample PEAT55 was re-analyzed at dilution by medium level. The diluted analysis does not match the initial

000001

analysis. This is most likely due to high moisture content/sample matrix interfering with medium level extraction efficiency. No other unusual observation was made for the analysis.

The pages in this report have been numbered consecutively, starting from this narrative 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 "Agnes Ng". The signature is fluid and cursive, with the first letter of each name being capitalized and prominent.

Agnes Ng
CLP Project Manager
05/20/03

WorkOrder: B0619

22/Apr/03 10:50

Mitkem Corporation

Report Level: ASP-B

Client ID: EARTH_NY

EDD: XL

Project: NYSDEC Pelican Site

HC Due: 05/02/03

Location: 32375

Fax Due:

Comments: N/A

Case:

SDG:

PO: 32375

Sample ID	Client Sample ID	Collection Date	Date Received	Matrix	Test Code	Test Code Comments	Hold	MS	SEL	Storage
B0619-01A	GRAVEL7	04/17/03 9:30	04/18/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A5
B0619-01B	GRAVEL7	04/17/03 9:30	04/18/03	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA
B0619-02A	PEAT55	04/17/03 9:30	04/18/03	Soil	PMoist		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A5
B0619-02B	PEAT55	04/17/03 9:30	04/18/03	Soil	SW8260B_LOW_S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	VOA

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GRAVEL7

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0619

(TPS-gravel)
FOW

Matrix: (soil/water) SOIL

Lab Sample ID: B0619-01B

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

Lab File ID: V1F3806

Level: (low/med) LOW

Date Received: 04/18/03

% Moisture: not dec. 13

Date Analyzed: 04/26/03

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

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 B
74-88-4-----	Iodomethane	6 U
75-15-0-----	Carbon Disulfide	6 U
75-09-2-----	Methylene Chloride	15 B
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	2 J
79-01-6-----	Trichloroethene	4 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	5 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.

GRAVEL7

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0619

Matrix: (soil/water) SOIL

Lab Sample ID: B0619-01B

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

Lab File ID: V1F3806

Level: (low/med) LOW

Date Received: 04/18/03

% Moisture: not dec. 13

Date Analyzed: 04/26/03

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	6	U
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	4	J
95-47-6	o-Xylene	1	J
1330-20-7	Xylene (Total)	5	J
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	6	U
106-43-4	4-Chlorotoluene	6	U
98-06-6	tert-Butylbenzene	6	U
95-63-6	1,2,4-Trimethylbenzene	6	U
135-98-8	sec-Butylbenzene	6	U
99-87-6	4-Isopropyltoluene	6	U
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	6	U
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	U
87-61-6	1,2,3-Trichlorobenzene	6	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GRAVEL7

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0619

Matrix: (soil/water) SOIL

Lab Sample ID: B0619-01B

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

Lab File ID: V1F3806

Level: (low/med) LOW

Date Received: 04/18/03

% Moisture: not dec. 13

Date Analyzed: 04/26/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	STRAIGHT-CHAIN ALKANE	2.83	28	J
2.	UNKNOWN	4.43	9	J
3.	CYCLIC ALKANE	7.15	6	J
4.				
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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PEAT55

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0619

TP5-Pent (FOL)

Matrix: (soil/water) SOIL

Lab Sample ID: B0619-02B

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

Lab File ID: V1F3807

Level: (low/med) LOW

Date Received: 04/18/03

% Moisture: not dec. 65

Date Analyzed: 04/26/03

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	14	U
74-87-3	Chloromethane	14	U
75-01-4	Vinyl Chloride	31	
74-83-9	Bromomethane	14	U
75-00-3	Chloroethane	14	U
75-69-4	Trichlorofluoromethane	14	U
75-35-4	1,1-Dichloroethene	4	J
67-64-1	Acetone	360	B
74-88-4	Iodomethane	14	U
75-15-0	Carbon Disulfide	20	
75-09-2	Methylene Chloride	100	B
156-60-5	trans-1,2-Dichloroethene	200	
1634-04-4	Methyl tert-butyl ether	14	U
75-34-3	1,1-Dichloroethane	25	
108-05-4	Vinyl acetate	14	U
78-93-3	2-Butanone	14	U
156-59-2	cis-1,2-Dichloroethene	2700	E
590-20-7	2,2-Dichloropropane	14	U
74-97-5	Bromochloromethane	14	U
67-66-3	Chloroform	14	U
71-55-6	1,1,1-Trichloroethane	43	
563-58-6	1,1-Dichloropropene	14	U
56-23-5	Carbon Tetrachloride	14	U
107-06-2	1,2-Dichloroethane	14	U
71-43-2	Benzene	3	J
79-01-6	Trichloroethene	200	
78-87-5	1,2-Dichloropropane	14	U
74-95-3	Dibromomethane	14	U
75-27-4	Bromodichloromethane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
108-10-1	4-Methyl-2-pentanone	14	U
108-88-3	Toluene	10	J
10061-02-6	trans-1,3-Dichloropropene	14	U
79-00-5	1,1,2-Trichloroethane	3	J

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PEAT55

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: B0619

Matrix: (soil/water) SOIL Lab Sample ID: B0619-02B

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1F3807

Level: (low/med) LOW Date Received: 04/18/03

% Moisture: not dec. 65 Date Analyzed: 04/26/03

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	UG/KG	Q
142-28-9-----	1,3-Dichloropropane	14	U
127-18-4-----	Tetrachloroethene	24	U
591-78-6-----	2-Hexanone	14	U
124-48-1-----	Dibromochloromethane	14	U
106-93-4-----	1,2-Dibromoethane	14	U
108-90-7-----	Chlorobenzene	14	U
630-20-6-----	1,1,1,2-Tetrachloroethane	14	U
100-41-4-----	Ethylbenzene	14	U
-----	m,p-Xylene	14	U
95-47-6-----	o-Xylene	3	J
1330-20-7-----	Xylene (Total)	3	J
100-42-5-----	Styrene	14	U
75-25-2-----	Bromoform	14	U
98-82-8-----	Isopropylbenzene	14	U
79-34-5-----	1,1,2,2-Tetrachloroethane	14	U
108-86-1-----	Bromobenzene	14	U
96-18-4-----	1,2,3-Trichloropropane	14	U
103-65-1-----	n-Propylbenzene	14	U
95-49-8-----	2-Chlorotoluene	14	U
108-67-8-----	1,3,5-Trimethylbenzene	14	U
106-43-4-----	4-Chlorotoluene	14	U
98-06-6-----	tert-Butylbenzene	14	U
95-63-6-----	1,2,4-Trimethylbenzene	14	U
135-98-8-----	sec-Butylbenzene	14	U
99-87-6-----	4-Isopropyltoluene	14	U
541-73-1-----	1,3-Dichlorobenzene	14	U
106-46-7-----	1,4-Dichlorobenzene	14	U
104-51-8-----	n-Butylbenzene	14	U
95-50-1-----	1,2-Dichlorobenzene	14	U
96-12-8-----	1,2-Dibromo-3-chloropropane	14	U
120-82-1-----	1,2,4-Trichlorobenzene	14	U
87-68-3-----	Hexachlorobutadiene	14	U
91-20-3-----	Naphthalene	14	U
87-61-6-----	1,2,3-Trichlorobenzene	14	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PEAT55

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM Case No.:

SAS No.:

SDG No.: B0619

Matrix: (soil/water) SOIL

Lab Sample ID: B0619-02B

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

Lab File ID: V1F3807

Level: (low/med) LOW

Date Received: 04/18/03

% Moisture: not dec. 65

Date Analyzed: 04/26/03

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

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.06	22	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PEAT55DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0619

Matrix: (soil/water) SOIL

Lab Sample ID: B0619-02BDL

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

Lab File ID: V1F3964

Level: (low/med) MED

Date Received: 04/18/03

% Moisture: not dec. 65

Date Analyzed: 05/01/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100.0 (uL)

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

CAS NO. COMPOUND Q

75-71-8-----	Dichlorodifluoromethane	710	U
74-87-3-----	Chloromethane	710	U
75-01-4-----	Vinyl Chloride	710	U
74-83-9-----	Bromomethane	710	U
75-00-3-----	Chloroethane	710	U
75-69-4-----	Trichlorofluoromethane	710	U
75-35-4-----	1,1-Dichloroethene	710	U
67-64-1-----	Acetone	710	U
74-88-4-----	Iodomethane	710	U
75-15-0-----	Carbon Disulfide	710	U
75-09-2-----	Methylene Chloride	710	U
156-60-5-----	trans-1,2-Dichloroethene	710	U
1634-04-4-----	Methyl tert-butyl ether	710	U
75-34-3-----	1,1-Dichloroethane	710	U
108-05-4-----	Vinyl acetate	710	U
78-93-3-----	2-Butanone	710	U
156-59-2-----	cis-1,2-Dichloroethene	860	D
590-20-7-----	2,2-Dichloropropane	710	U
74-97-5-----	Bromochloromethane	710	U
67-66-3-----	Chloroform	710	U
71-55-6-----	1,1,1-Trichloroethane	710	U
563-58-6-----	1,1-Dichloropropene	710	U
56-23-5-----	Carbon Tetrachloride	710	U
107-06-2-----	1,2-Dichloroethane	710	U
71-43-2-----	Benzene	710	U
79-01-6-----	Trichloroethene	710	U
78-87-5-----	1,2-Dichloropropane	710	U
74-95-3-----	Dibromomethane	710	U
75-27-4-----	Bromodichloromethane	710	U
10061-01-5-----	cis-1,3-Dichloropropene	710	U
108-10-1-----	4-Methyl-2-pentanone	710	U
108-88-3-----	Toluene	710	U
10061-02-6-----	trans-1,3-Dichloropropene	710	U
79-00-5-----	1,1,2-Trichloroethane	710	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PEAT55DL

Lab Name: MITKEM CORPORATION Contract:
 Lab Code: MITKEM Case No.: SAS No.: SDG No.: B0619
 Matrix: (soil/water) SOIL Lab Sample ID: B0619-02BDL
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: V1F3964
 Level: (low/med) MED Date Received: 04/18/03
 % Moisture: not dec. 65 Date Analyzed: 05/01/03
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0
 Soil Extract Volume: 5 (mL) Soil Aliquot Volume: 100.0 (uL)

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

CAS NO.	COMPOUND	UG/KG	Q
142-28-9	1,3-Dichloropropane	710	U
127-18-4	Tetrachloroethene	710	U
591-78-6	2-Hexanone	710	U
124-48-1	Dibromochloromethane	710	U
106-93-4	1,2-Dibromoethane	710	U
108-90-7	Chlorobenzene	710	U
630-20-6	1,1,1,2-Tetrachloroethane	710	U
100-41-4	Ethylbenzene	710	U
95-47-6	o-Xylene	710	U
	m,p-Xylene	710	U
1330-20-7	Xylene (Total)	710	U
100-42-5	Styrene	710	U
75-25-2	Bromoform	710	U
98-82-8	Isopropylbenzene	710	U
79-34-5	1,1,2,2-Tetrachloroethane	710	U
108-86-1	Bromobenzene	710	U
96-18-4	1,2,3-Trichloropropane	710	U
103-65-1	n-Propylbenzene	710	U
95-49-8	2-Chlorotoluene	710	U
108-67-8	1,3,5-Trimethylbenzene	710	U
106-43-4	4-Chlorotoluene	710	U
98-06-6	tert-Butylbenzene	710	U
95-63-6	1,2,4-Trimethylbenzene	710	U
135-98-8	sec-Butylbenzene	710	U
99-87-6	4-Isopropyltoluene	710	U
541-73-1	1,3-Dichlorobenzene	710	U
106-46-7	1,4-Dichlorobenzene	710	U
104-51-8	n-Butylbenzene	710	U
95-50-1	1,2-Dichlorobenzene	710	U
96-12-8	1,2-Dibromo-3-chloropropane	710	U
120-82-1	1,2,4-Trichlorobenzene	710	U
87-68-3	Hexachlorobutadiene	710	U
91-20-3	Naphthalene	710	U
87-61-6	1,2,3-Trichlorobenzene	710	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

PEAT55DL

Lab Name: MITKEM CORPORATION

Contract:

Lab Code: MITKEM

Case No.:

SAS No.:

SDG No.: B0619

Matrix: (soil/water) SOIL

Lab Sample ID: B0619-02BDL

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

Lab File ID: V1F3964

Level: (low/med) MED

Date Received: 04/18/03

% Moisture: not dec. 65

Date Analyzed: 05/01/03

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

Dilution Factor: 1.0

Soil Extract Volume: 5 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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Appendix E
Copy of Field Notes

①

DATE: 4.01.03 Pcham

Temp - 25° F - Snow

Will onsite @ 6:00 AM

Hickory Hill onsite @ 6:45 AM

- Started Sampling by 7:10 AM

- Collected PLO meters for Field Screening

Soil C 7:30 AM 14.65 ppm

ZERO 0.0 ppm

PLO METER MIN/RAE ZERO

7:00 AM

- PEAK TRUCK ARRIVED AND PLACED ALONG

Southern Property line.

7:45 set up Steepfike level 1002

Excavation AREA AROUND 50' x 7'

EXCAV AREA 07

STEELPIRE 07 - expected HAZE

8:10 Kevin DEC onsite

10:15 GREEN SECTION NWSDEC onsite

- CALL county 1400511

1:00 pm, began Dewatering EXCAV 07 - approx 18' water

- water discharged to FRAC tank.

4.01.03 407

②

EXCAV AREA	LOCATION	APPROX DEPTH (PFD)	PLO (PPM)	Soil Characteristics
07	CENTER	0-1'	5.7	Fine Sand/Silt
07	CENTER	0.5-2'	15.4	Fine Sand/Clay
07	South	0-2'	16.3	Sand/gravel/silt
07	South	2'	20.4	FRESH BUCKET
07	SouthWEST	2-4'	1000+	Black Sand/Silt
07	CENTER	3-4'	18.2	FRESH BUCKET
07	WEST	3-4'	5.3	Sand - Technobrook
D3	NORTH	2-4'	9.6	Sand/gravel
D3	NORTH	4'	12	Sand *
D3 *	BOTTOM	4'	5.4	Sand *
D3 *	NORTHWEST		2.3	Sand *
07	NORTHWEST	2-4'	9.9	Sandy
07 *	NORTHWEST	0-4'	2.5	Sandy/Black/Silt
07	EAST FLOOR	5'	22	Black Sandy
07 *	EAST WALL	0-5'	9.6	Sandy/Silt *
07	FLOOR	6-7'	6.8	Rocky/stone
07 *	Westwall	0-6'	7.4	Sand/Silt/Peat
07 *	SW CORNER	0-8'	19.3	Sand/Peat/Silt
07	FLOOR	7-10'	5.7	sand/gravel
07	EAST WALL	8'	62.5	gravel clay
07	EAST WALL	9'	8.9'	Blue clay/gravel
07	Southwall	6-8'	2.3	Sandy/Peat
07	South Westwall	0-10'	6.5	Peat/gravel

* PLO Confirmation Sample

④

2:45-3:15 Collected Post Excavation Samples on

Excav. Area	Time	Location
Excav. Area 07		
Excav. 07	2:45	Bottom of Excav. 10'
Excav. 07	3:12	West wall of Excavation
Excav. 07	3:55	South wall of Excavation
Excav. 07	3:07	East wall of Excavation
Excav. 07	3:05	North wall of Excavation

3:15 - Completed Excavation with Area 07
 - Collected Samples for Waste Character.
 of Stockpiled soil from Area 07

Sample	Time	Location
SP-07-WC	4:00	Perimeter of Stockpile 07
3:56		Vertical Post Pro Reading with 100 ppm isobutane = 96 ppm
4:00		Decreased EXON B Reed
4:30		Covered Stock Pile 07 with Poly
5:00		OFFSITE to Bring Sample to Fuel Ex
		Tracking # 838950410500

⑤

Pelican Soil Excavation

DATE: 4-2-03 Temp - 40 Deg F
 Foggy / Damp
 Will Basile 6:30 AM
 Mickey Hill onsite 7:00 AM

Excavation AROUND Soil Boring ABS MW3 &
 Soil Boring C2

Both 20x20' Excavations OVERLAP

Excav. MW03 = Excavation around SB-ANT-MW03
 Excav. C2 = Excavation around SB-C2

7:15 - LAYED OUT linear for Clean Soil Stockpile
 FROM C-2 + MW3 Excavation 0-2'
 7:30 Began Excav of C-2 & MW3

- Stockpile 0-18" in MW3 &
 0-2' FROM C2 into Clean Stockpile
 - Stockpiled 2-5' from MW3 into
 NOW HAZ Stockpile

10:00 - Removed Silt fence to chase
 Western Edge in MW3
 G.W @ 5' BGS

⑥

10:35

- Collected Excavation Confirmatory Sample on ^{WEST} South Wall.

MW-3

- Excavation Limit to Fence Line on ^{west} South Side

Sample	Time	Location
EXCAV-03-WestW	10:40	0-5' West wall of MW-03 EXCAV
EXCAV-03-SouthW	11:00	0-5' South wall of MW-03 EXCAV
EXCAV-03-NorthW	11:05	0-5' North wall of MW-03 EXCAV
EXCAV-03-EastW	11:10	0-5' East wall of MW-03 EXCAV
EXCAV-03-FLOOR	11:15	5' Bottom of MW-03 EXCAV

11:00 - DEC REP (Kevin) onsite

11:20 Moved to C-2 EXCAV 3' to ?

11:45 - DEC REP (Kevin) indicated to go to 8' to collect sample

Sample

- installed sump south of C2 Excavation

- 2" GAS Pump not adequate to pump water to

FRAC TANK

- Henry Hill to replace pump with larger pump.

- G.W. @ 5-6' BGS - infiltrates very fast into sump.

3:45 - Splice w/ Keith & Dave C. (DEC) RE

Peat Layer

4:30 - Completed C2 EXCAV TO 10' BGS

SAND Beneath Peat

⑦

AREA	Location	APPROX DEPTH	PIA (7PM)	Soil Chemist NOTES
CZ	Bottom	0-2'	1.7	Silty Clay / sand
CZ	Center	2'	0.3	Brice / silt / sand
MW3	Center	1-2'	0.8	Sand / silt / Brice
MW3	Bottom West	2-2.5'	3.7	Brice / Black Silt
MW3	Bottom West	2-4'	5.6	Brice / Fill / Sand / silt
MW3	S.W. Corner	3-4'	32	- Sample Bottom ^{NO} 29/10
MW3	West Wall	0-4'	26.2	- Rust / Sand / Silt
MW3	West Wall	3'	24.3	- field Screen used
*MW3	West Wall	0-4'	1.8	- Sand / rust / silt
MW3	South Wall	0-4'	42.1	- Sand / silt / Rust
MW3	South Wall	0-4'	8.3	- Sand / silt /
*MW3	South Wall	0-5'	1.3	- Sand / silt / Brice
*MW3	East Wall	0-5'	0.0	- Sand / Brice
*MW3	FLOOR	5'	1.6	- silt / clay / gravel
CZ	Center	5'	0.0	- Brice / sand
CZ	FLOOR	7.5'	0.5	- Peat / Black
CZ	FLOOR	8'	44.2	- Peat Brown
CZ	FLOOR	8.5'	51.3	- Peat Brown
CZ	FLOOR	9'	103	- Peat Brown
CZ	FLOOR	10'	66	- Peat
CZ	NORTH	10' +	10.2	- Peat - Black
CZ	WEST	10' +	114	- Peat Brown
CZ	South	10' +	31	- Peat
CZ	EAST	10' +	20.7	- Peat

(8)

4:35 - Sampled Peat from 4 Sides OF C2 EXCAV.

↳ C2 - PEAT

4:40 - Collected EXCAV - C2 - FLOOR

↳ Bottom Blue / grey sand of Excavation around C2 approx 10.5' BGS

5:00 - Collected Clean Stockpiled Material from C2 & MW3 Excavations. - collected Sample from impacted material Stockpiled from C2 & MW3 Excavations

SP - 03/C2 - Clean ⚡ - 0-2' - C2 EXCAV

SP - 03/C2 - W.C.

5:10 - Confirmed PID - 9.7
RETURNING 5:15 installed Sump

5:30 - Covered Stockpiles w/ Poly.
5:45 - OFFSITE to FedEx to ship Samples

(9)

4:3:02 Pelican Manufacturing
Partly Cloudy 45-50 deg F

6:30 Earth Tech arrived onsite

6:40 Hickory Hill arrived onsite

7:00 Pripped AREA for Stockpiled Soil

7:05 Calibrated PID METEIZ

7:20 Began Removing 0-2' within SE EXCAV

7:50 - Collected Composite Sample of 0-2' from S.R. Excavation, "Clean" Sample

↳ ID = SP - SR - CLEAN

8:00 - Began Excavating 2-6

9:00 - Began Moving North Because the NORTH WALL OF S.R. EXCAV

- moved approx 10' - continue to encounter contamination 2-10' in blue/gray layer.

- G.W. @ 9' ±

10:00 - DEC REF maintain Fence Perimeter -

- Can not excavate east of S.R. due to slope stability and roadway.

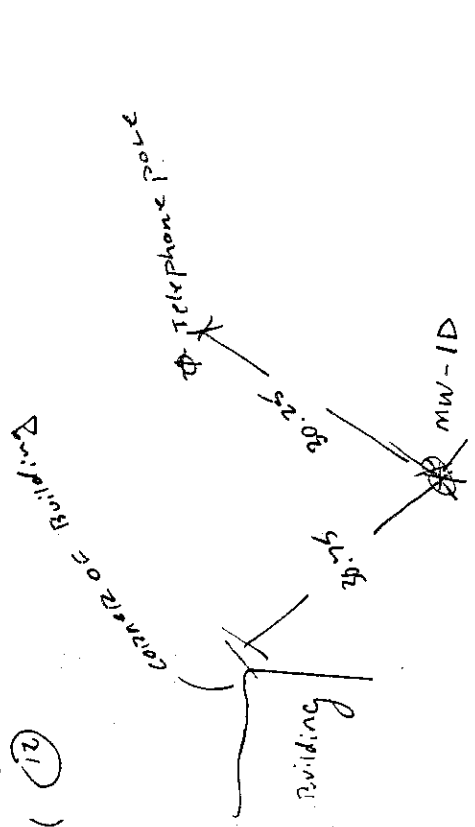
11:00 - Exposed concrete floor, 2' slab

@ approx 6' BGS

SIZE approx 10'x18'

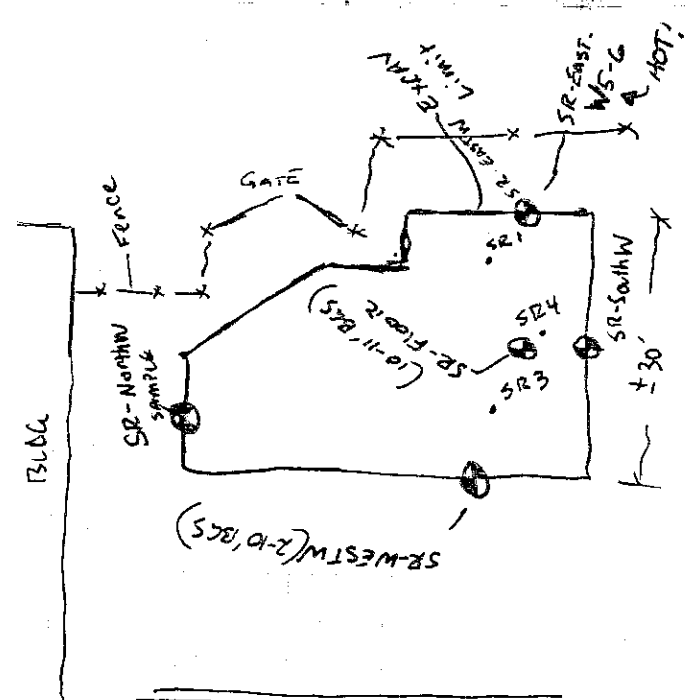
10:10 - ~~8~~ Results from Tuesday's Excavation
 SP-07 - W.C. - 140,000 ppb TCE
~~13,000 ppb DCE~~
 6,400 ppb Toluene
 EXCAV-07 - NORTH - ~~11~~ 11 ppb acetone
 18 ppb DCE
 27 ppb TCE
 EXCAV-07 - SouthW - 14 ppb DCE
 - 140 ppb TCE
 EXCAV-07 East W - ~~149~~ 99 ppb acetone
 - 26 ppb DCE
 - 260 ppb TCE
 EXCAV-07 - NorthW - 18 ppb acetone
 - 17 ppb DCE
 - 94 ppb TCE
 EXCAV-07 - Floor 2 - ~~RUN~~ RUN
 → 87 DCE (ppb)
 24 TCE (ppb)
 11:40 - Removed Cap to a 4' DIAM UST TANK
 - Gasoline odor - Approx 2-3 sludge on Bottom
 - PID Reading = 409 Z
 1:20 - Kevin (DEC) offsite

AREA	Location	Approx Depth	PID (PPM)	Soil Charac. Notes
SR-01	Bottom	2'	3.5	Silty Sand
SR-01-03	S.P.	0-2'	0.0	- Surface Soil Manganese
SR-04	Bottom	2'	3.0	- Silty Sand
SR-03	Bottom	2'	5.4	- Silty Sand
SR-01	Bottom	5'	3186	- Clay-Silt (Blue Grey)
SR-01	North Wall	5'	800+	- Field Screen Bucket
SR-01	+2' NorthW	6-8'	205	- Field Screen Bucket
SR-01	-4' NorthW	7'-8'	167	- River Silt Grey clay
SR-01	+5' NorthW	7-8'	125	- Blue grey clay
SR-01	+5' NorthW	8'	7	- Sand
SR-04	+5' NorthW	7-8'	238	- Blue/grey clay
SR-01	+10' NorthW	8'	170	- Blue/grey clay
SR-01	East W	7-8'	3015	- Blue/grey clay
↳ Can not go further East due to fence and Roadway (Washington Street)				
SR-04	SouthW	7'	19	- Blue grey w/ Sand
SR-04	+3 SouthW	7'	1400+	- Blue/grey clay soil
SR-03	Bottom	6'	27	- Blue/grey Sand Clay
SR-04	+15 NorthW	8'	287	- Blue/grey Sand Clay
SR-04	+20 NorthW	8'	157	- Blue/grey Sand Clay
SR-04	+25 NorthW	8-9'	0.5	- Blue/grey Sand Clay
SR-04-03	+25 NorthW	9-0'	1.0	- Sand Blue grey clay
SR-03	NORTH West Corner	9'	0.4	- Blue sandy clay
SR-03	+15 North Floor	10'	0.2	- Sandy Gravel
SR-03	West wall	8-9'	3	- Blue grey clay



Location of MW-1D
 MW1D removed during Excav of Solvent Room

Excavation SR Sampling Locations



3:00 - Water Volume Calc
 Excav 07 - 20 x 20 x 5 deep where
 2000 CF = 14,961 gallons to
 FIRE TANK when pumped out
 19.5" in FIRE TANK = 3,100 gallons in Tank.

3:35 - Collected North Wall of Excavation
 in Solvent Room = EXCAV-SR-NORTHW
 Approx +30' N of original EXCAV limits
 Approx 10' South of Building

AREA	LOCATION	DEPTH	PID	Soil Char/Notes
SR-04	FLOOR	10-11'	275	Brown Sand

5:30 AM - RESULTS FROM CZ - PEAT
 1300 PPB - DCE
 1100 PPB - TCE

5:30 - Collected Composite Sample of SR Excavation
 2-10' in Stock pile SAMPLE ID
 SP-SR-WC
 Stock pile - Solvent Room - Waste Characterization

(14)

5:30 Collected West wall grab Sample
from 2-10' of EXCAV SR
Sample ID EXCAV-SR-WESTW

5:35 Collected Floor Sample - minimal odor
N 10' BGS of SR Excavation
Sample ID EXCAV-SR-FLOOR

5:40 Collected South Wall Sample -
0-10' ALONG SOUTH WALL
Sample ID EXCAV-SR-SOUTHW

5:45 Collected a grab Sample Along
EAST WALL of S.R. Excavation
Collected Sample from ^{2-10'} BGS
Sample ID = EXCAV-SR-EASTW

5:50 Collected Sample 5-6' along EAST WALL
STRONG ODOR - CAN NOT CONTINUE EAST
DUE TO SLOPE STABILITY IN ROADWAY,
telephone pole, fence, sidewalk.

6:00 - Packed Cooler Delivered to Fed Ex
6:30 - Covered Stockpile for S.R. EXCAV
6:45 MEMORY HILL
& E.T. offsite

(15)

- Significant G.W. infiltration
when below 8' BGS in S.R. Excavation.

- Material Becomes unmanageable
btwn 8'-10' BGS.

- Excavated to 10' @ SR-04 - PID
Reading of 275 ppm - Material
consisted of fine sand. Sample
collected beneath the blue/grey
clay/gravel layer.

- WAS UNABLE TO EXCAVATE LOWER THAN
9-10' in SR - EXCAVATION IN SOME AREAS
DUE TO POOR CONDITIONS

(16)

Pelican - NYSDEC

4.4.03 FRIDAY
Cloudy 35 Deg F

6:15 - Earth Tech Onsite

6:30 - Hickory Hill Onsite

6:45 - Set up to pump water from
Excavation pit to Storage Tank (FRAC)

- Confirmed w/ Kevin from DEC on
Thursday @ 12:30 to proceed with
Backfill of Excav pit Based upon
wet analysis Results.

6:45 - LABELED ALL STORAGE PILES w/ GREEN
STRAPS.

7:30 - Deconal Excavator Bucket to be used
during Backfill operations.

7:40 - Health & Safety Review w/ FRI ALBERT SUMMERS

- Discussed Survey Requirements

- onsite at 7:35

- Ronnie Dylak

- GARY Betselman

8:10 - met with Jim Huelzel from

the town water Department.

waterline Service Approx 106' From Nathan

BLDG. Edge.

- 3/4" water connection

(17)

- Water CURB SHUTOFF verified off
- open end of 3/4" waterline 2' within
Fence Line.

- Water Main - 4' 8" BAGS

- Water Service - 5' BAGS

- Waterline currently cut off -

8:30 - BEGAN BACKFILL OF EXCAV PIT

- APPX 3 LOADS BONE STONE IN
BOTTOM OF EXCAVATION. APPX 3-4'

(716)

8:45 - Terry Brown 450-1699

City to BPU Jamestown
Board Public Utilities

- Cap/Plug 2" Sewerline

- BWH FORMER 4' SEWER IS PLOGGED

- Call BPU when sewer is plugged

9:15 - STOPPED PUMPING WATER TO FRAC TANK

9:30 - TONY GOLINO FROM SENTINEL CONTRACTORS

onsite to Treat Water in FRAC TANK

- Approx 13000 gal in FRAC TANK

10:30 - Begon Water Treatment approx

10 gpm

11:15 - collect - water effluent Sample

from Discharge of second GRAC vessel

Sample ID - EFL-GRAC - 040403

(18)

10:00 - Discuss Results w/ Keith
Preliminary Wet Results

EXCAV 03 - WestW - 42 DCE
- 480 TCE

EXCAV - 03 - SouthW - 29 DCE
- 600 TCE
- 40 PCE

EXCAV - 03 - NorthW - 220 DCE
- 3900 TCE

EXCAV - 03 - EastW - 31 DCE
760 TCE

EXCAV - 03 - Floor - 110 DCE
- 2200 TCE

EXCAV - C2 - Floor - 82 DCE
- 12 TCE

SP - 03/c2-clean - 21 DCE
- 610 TCE

SP - 03/c2-WC - 690 DCE
- 3700 TCE

1:00 - Hickory Hill OFFSITE

1:30 - SURVEYOR (FBIT) OFFSITE

1:40 - Will (E.T.) offsite

8:00 pm - Tony (continued) offsite - treated 3125 gallons

(19)

Monday 4-7-03
Snow - Cloudy - 28 deg F.

10:30 AM Earth Tech Onsite
8:30 am - Sentinel onsite to TREAT WATER
in FRAC TANK.

10:30 - Hickory Hill Onsite -
Mobilized Backhoe in order to
double handle soil being excavated
from 03 Excavation
John More 410 D

11:30 - Began Excavation to Remove UST
- Placed Excavated material on Poly sheeting

12:00 VERICAL RESULTS FROM Keith

SP-SR-CLEAN - 360 TCE

SR-NORTHW - 160 TCE

SP-SR-WC - 540 TCE

18,000 xylene
22,000 total xylene

SR-SouthW - 220 TCE

WESTW - 250 TCE

SR-EastW - 700 TCE

EASTW-SG-1500

LP-Trichloro
athene

SR-FLOOR - DCE-2400
- 5400 TCE

9300 total xylene

2100 Toluene - 4900 Ethyl Benzene

AVE 22-23 Tons/Load

3-loads Fore Street
9-loads GRMUEL

- 12:30 - Removing Piping From Tank
- 1:00 - Began washing inside of Tank.
- Removed & Drummed all wash water from tank
- 2:00 - Collected Composite Sample of SP-07 for Waste Profile
Sent Sample to US Ecology Detroit
- 3:00 - removed Approx 1000 gal TANK
- Several HOLES ON BOTTOM OF TANK
- 3:30 - Began Excavating Soil from UST AREA
- 4:30 - 7' FLOOR - 300 ppm, excavation complete to
- Sampled Tank Excav SP. @ 100 TONS
SP - TANK - WC
- 4:00 - Sampled walls 4' Floor of Tank Excav
Excav - Tank - NORTH W
" " - EAST W
" " - SOUTH W
" " - WEST W
" " - FLOOR
- OFFSITE TO FEDEX
- Covered Tank SP.

- 4:00 - Tuesday
- Cloudy - 30 deg F - 6:45 am - 3" SNOW
- 6:55 - Enroute TECH & Heavy HILL onsite
- Approx 16,000 gallons of Capacity in FIRM TANK
- Sentinel treated @ 9,000 gallons total.
- 7:05 - SET UP PUMPS AND HOSES TO Pumpout C-Z Excavation.
- Plan to Remove North wall of MW3 Excavation and Floor of MW3 Excavation
- 7:45 - Began Pumping Excavate Water FROM C-Z EXCAV
- 8:15 - Constructed Roadway for BACKHOE to move material from NORTH wall of MW3 to Storage
- Calibrated PID
- 8:30 - Rimped approx 2000 gallons - treated enough Began EXCAV in MW3 NORTH WALL TO EXPOSE PEAT layers
- 11:05 - Removed Steel Container w/ sheen (black) 3' x 2' x 1' Pictures collected
164 ppm - PID

OBJECT ON TOP OF PEAT LAYER

22

AREA	Location	Depth	PID	NOTES
C2-03	NW corner	2'-4"	C.1	RUST SAND Silt
03	NORTH Floor	5'-6"	0.3	PEAT-Black
03	NORTH Floor	7'-7.5"	91.3	RED Brown Peat

Approx 40,000 gallons in EXCAV-SR

SR - EXCAV
 1310.5 sq ft @ 1.4 tons/sq ft
 13105 CF → 485 CY =

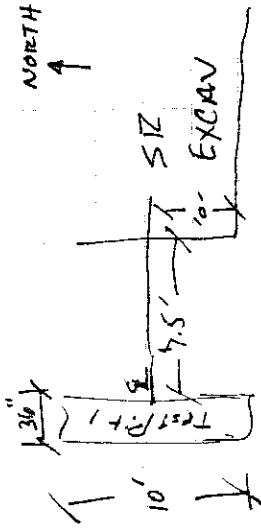
EXCAV - 07
 472 sq ft
 4720 CF → 175 CY →

EXCAV - 3
~~200 sq ft~~
 1000 CF → 37 CY

C2 - ~~2753 sq ft~~
 1376 CF - 271 CY

23

1:45 Began Test Pit - 1



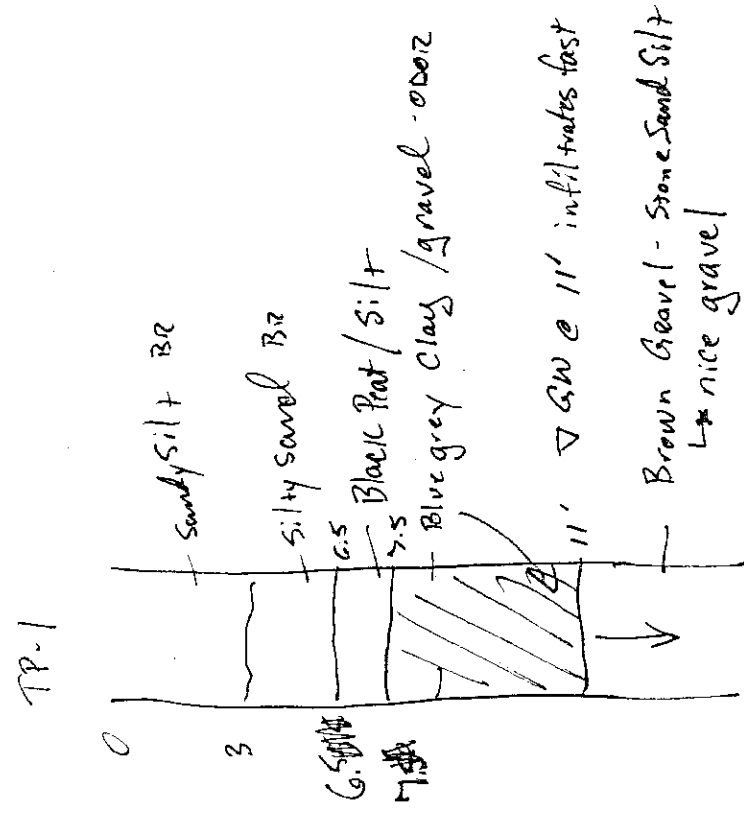
AREA	Location	Depth	PID	Soil
TP1	FLOOR	1-3'	0.9	Sandy Silt
TP1	FLOOR	3-5'	3.2	Silty Sand
TP1	FLOOR	6-7'	3.4	Black Peat/Silt
TP1	FLOOR	7-11'	1.2	Blue Gray Gravel/Silt
TP1	FLOOR	11-12'	6.1	Wet gravel/sand

Water infiltrates very fast

2:15 - Collected Saturated Soil Sample from floor of TP-1
 Depth - 11-12' BGS
 ID = TP1 - FLOOR - 11

Backfilled Test Pit Hole

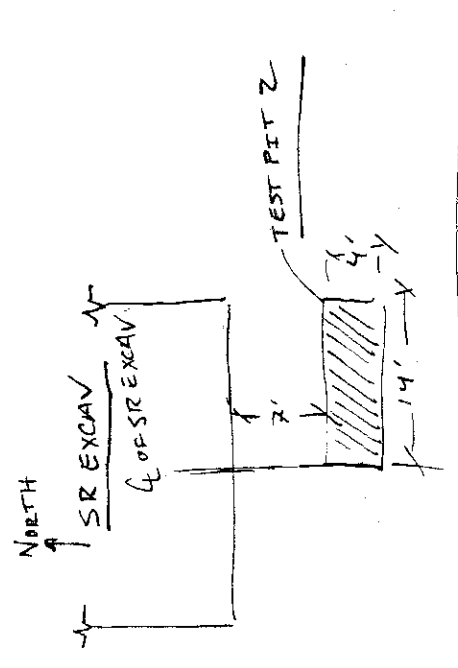
24



Depth	TP-2	Soil	PID
0-2'		Brick - Silt Sand - Debris	2.0
2-5.5'		Brick - Debris - Sand	1.6
5'-5.5'		Black Peat/silt	1.7
5.5'-7.5'		Clay - Brown Silt gravel	205
7.5		Gravel - Silt - Cobble	31
8'-11'		Gravel - Silt - Cobble	59.2
11'+		Clay - Sat. voided - tight	0.8

25

2:30 - started Test Pit 2 South of SR Excavation



3:20 - Collected North wall Sample - from mn-03 EXCAV. 5-0' BAS

3:00 Material became soupy from 8'-11'

Collected bottom Sample @ 11' ↳ Fine Clay - TP2-Floor-11

↳ Material to SR SP. ▽ GW @ 7.5'

4:15 - OFFSITE to Pickup cooler and bring Sample to FedEx

(26)

4.9.03 - WEA.

CLAWY - 35 DegF Dri. 220L

6:45 - HICKORY Hill & Earth Tech onsite

- PREPARED site for Backfill of Solvent Room Excavation.

7:00 - 6" in FRAC TANK 10,987 gallons

7:15 - started pumping water from SR excav to FRAC TANK.

8:00 - erected Stone Roadway to SR excav to prevent tracking mud onto Roadway.

- existing site soil very saturated

8:10 - started Backfill of SR excav w/ 6" minus bone stone

8:15 - Sentinel onsite - Started treating water @ 9:00.

11:30 - Spoke w/ Terry Brown from DPV to have inspection of Capped Sewer Lines @ 2:00 pm. - O.K.

11:30 - Backfilled SP-SR-Clean into Southeast Corner of Solvent Room Excavation
0-25' BGS

(27)

2:20 - Jim Cooper - DPA

- inspected Sewer Termination

- Plug with water plug

- Capped 2" PVC Pipe with PVC Caps

Jim - everything looks good

2:45 - Completed Backfill of SR. EXCAV

- Began Dewatering TANK Excavation in order to Remove 5' additional feet from the West wall based upon high SVOC Results.

- Placed Bone Stone in S.P. from 5'-10' BGS.

- Placed Bone Gravel from

0-5' BGS in Solvent Room

Delivered - 13 Loads Bone Stone

Delivered - 14 Loads Bone Gravel

- 2 Loads #2 STONE

4:15 - Stopped Dewatering Tank Excav

Began extending Excavation on West Wall

- Collected New West Wall Sample

EXCAV-TANK-WEST WALL

- Sent out Samples @ Fed Ex

Returned PID TO Pine Environmental

(28)

5:00 - Placed Bone Stone in Tonic Excav from 10' to 5' - Approx 2-3 loads

5:30 - E.I. / H.H. / Sentinel offsite.

mixed approx 5,700 gallons

(29)

4.10.03 - Pilcom - Thursday
Cloudy - 37 deg F.

6:00 Sentinel onsite to treat water

6:45 Heaney Hill & E.T. onsite

7:00 - Approx 13,000 gal in F&C TANK

7:30 - Began Pumping water FROM

C2 - O3 EXCAVATIONS

8:00 - Backfilled TANK EXCAV

8:00 - SURVEYORS onsite

- MW-20, Tank, TSPITS,

Additional O3 EXCAV.

9:30 - Backfilled SP-03/02-CLEAN

in Southeast & South Portion

of O3 EXCAVATIONS

11:30 - Verbal Results wet Results

O3 NORTH - 200 TCE

- TP1 Floor 11' - 250 TCE

- 69 DCE

TP2 Floor - 9 TCE

9 DCE

3:00 - Earth Tech offsite

- continue w/ Backfill & Haul Road

preparation

5 - BONE STONE

7 - Bone Run Gravel

0 - #2 STONE

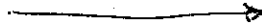
8100 - TREATED H2O

4.11.03 - Friday Pelican

- Hickory Hill onsite 7:00 OFFSITE AT 11:30 AM
- Completed Back Fill on C2-MW3 excavation AREA
- 1 - Loads Stone
- 5 - Loads Bank Run Gravel
- 0 - Loads Bone Stone
- Sentinel onsite to treat water in FRAC TANK - 4350 gallons.
- Approx - ~~200~~ 4000

4/14/03 - Monday Pelican - Loadout.

- Earth Tech onsite @ 6:30 am
- Hickory Hill onsite @ 6:45 AM
- PREP AREA FOR loadout of C2-03 Stone P.T.C
- 7:45 - Began loading Dump Trucks
- 7:30 - Met w/ Sheryl from County
- Loading out SP C2-03 w/ 200 EXCA
- Loading out SP TANK with BACKHOE
- 8:30 - Sentinel onsite to treat water
- 11:00 - Completed loadout of SP TANK
- 12:15 - Completed loadout of SP-03-C2
- 12:15 - Started SP-SR
- 38 TRUCK LOADS
- Loaded 679.64 tons - NonHAZ Si / TREATED gallons HD
- 4:00 - OFFSITE AM E.T. & Hickory Hill
- 5:00 - Sentinal offsite



4.15.03 TUESDAY - Pelican

SUNNY - 55 deg F @ 7:00

6:45 - E.T. & Hickory Hill onsite

7:30 - First load out @/Jonestown Travers.

9:30 - 2 loads Remaining

- will mix in frac tank silt w/ Remaining 2 loads.

10:30 - Calibrated PID

11:00 - Pumped Silt from FRAC Tank to Remaining 2 LOADS

11:30 - Dewatered FRAC Tank w/ Power Washer.

18 loads @ 263.58 TONS

OFF SITE AT 4:00 Hickory Hill @ E.T.

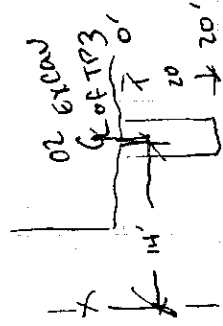
Sentinel off site @ 2:00



10:45 - Started Test Pit 3

South of 02 Excavation Area

↑ NORTH



0-5 BGS - Clay w/ Top Soil + Sod

1.5-5 BGS - Brick, Silt, Gravel, Debris, Black Silty Sand

- G.W @ 4.5' BGS

1.5-2.5' - 0.6 PID

2.5-5' - 1.8 PID

5-5.5' - Groundwater infiltration very fast

through Brick

6.5' BGS - Brown Peat under 4x Table - Dry

↳ PID = 9.2 PPM

6.5-8' - Brown Peat - Dry - woody

- Rooting - Decomposing odor

- PID 49.2 PPM

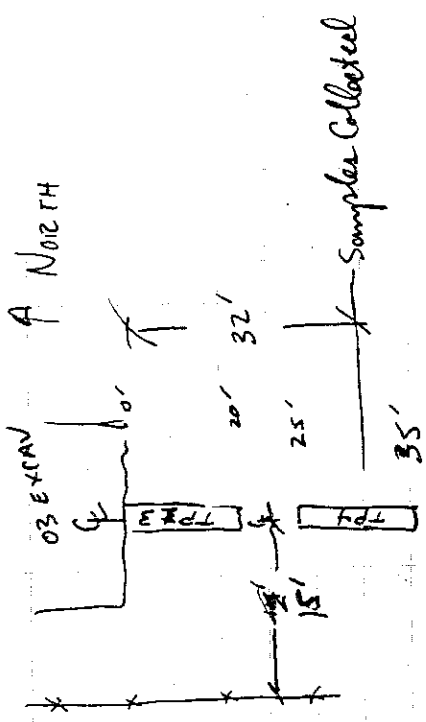
8.18' - under Peat is Blue grey Sand

w/ some stone

↳ PID = 9.2 PPM

Samples collected of Peat @ Blue grey Sand @ 10' South

11:15 - TEST PIT #4



Slightly Debris Due to Comp created in TP3

- 0-5' BAGS - CLAY TORSOIL
- 5'-2.5' BAGS - 0.9 PID - Black Under Silty Sand w/ brick & debris
- 2.5'-6' BAGS - 1.17 PID - Black Under Silty Sand w/ BRICKS
- 6' BAGS - Black Peat
- 7' BAGS - BROWN PEAT - 0.0 PPM
- 9.5' BAGS - Blue Grey Sand - 0.0 PPM

Sample Collected of Peat & Blue Grey Sand

TP4 APPEARS TO BE CLEAN

4.16.03 - WEDNESDAY - PELICAN

- 6:30 - ET / HH onsite
- opened HAZ PILE - SP 07
- 7:30 - Loaded 1st TRUCK w/ SP07 material
LP US Bulk TRANSPORT INC.
- 1st Load weight - 24 TONS
- 10:30 - DEMORBED FRAC TANK
- 1:00 - LOADED TRUCK # 7

7 loads total @ 22-23 TONS/TRUCK
Approx 161 TONS TRANSPORTED OFFSITE.

- 1:30 - Consolidated Remaining HAZ soil into stockpile AND COVERED
- 1:45 - DEMORBED BACKHOE FROM SITE
- 2:00 - OFFSITE

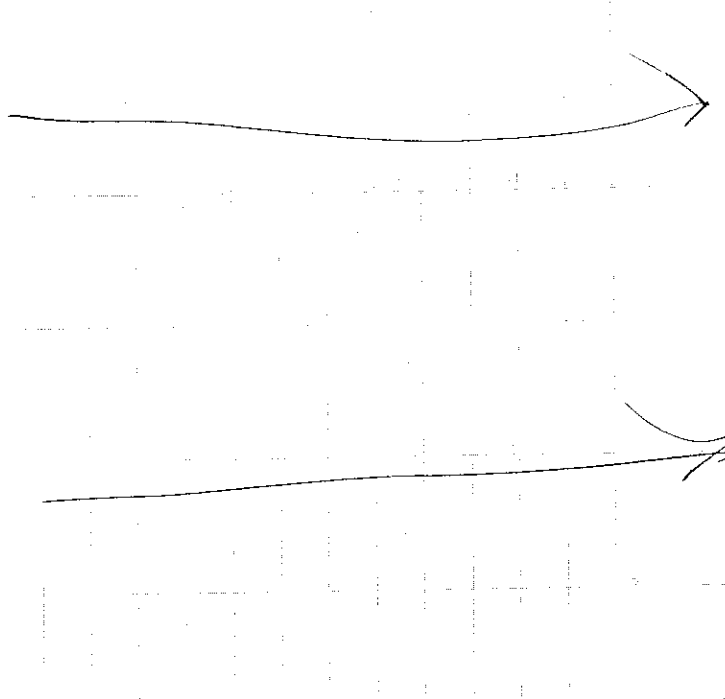
4.18.03

Dismissed excavator and all
other material from site

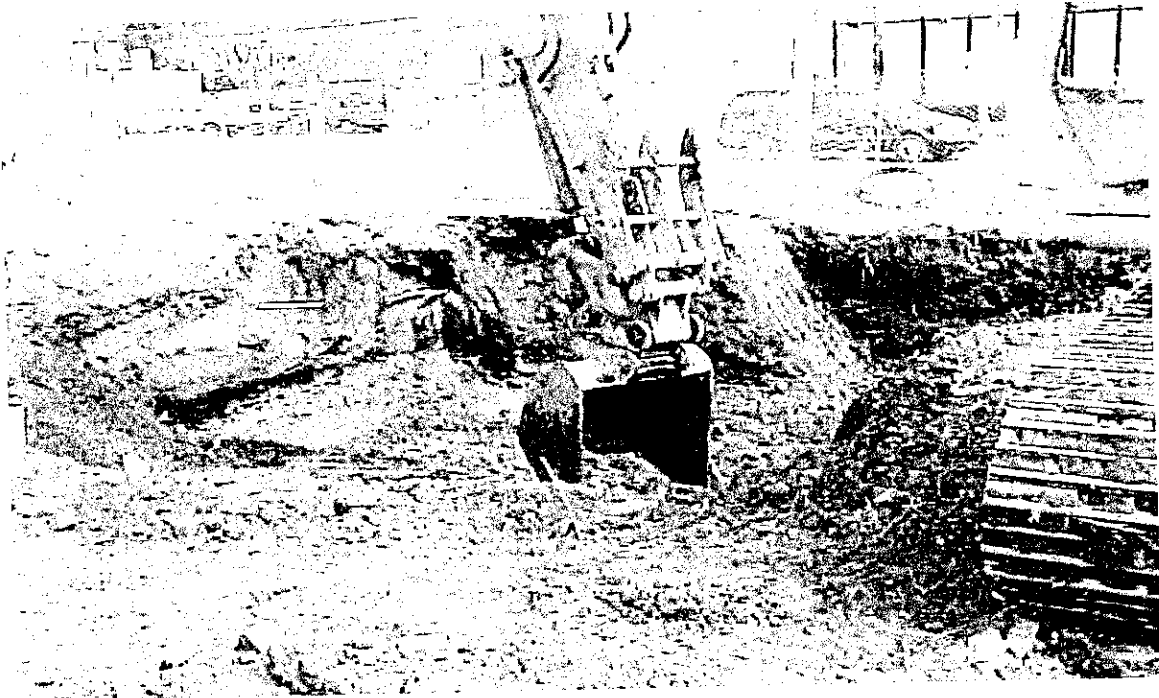
1100 - 12:00

Simon - Hickory Hill onsite

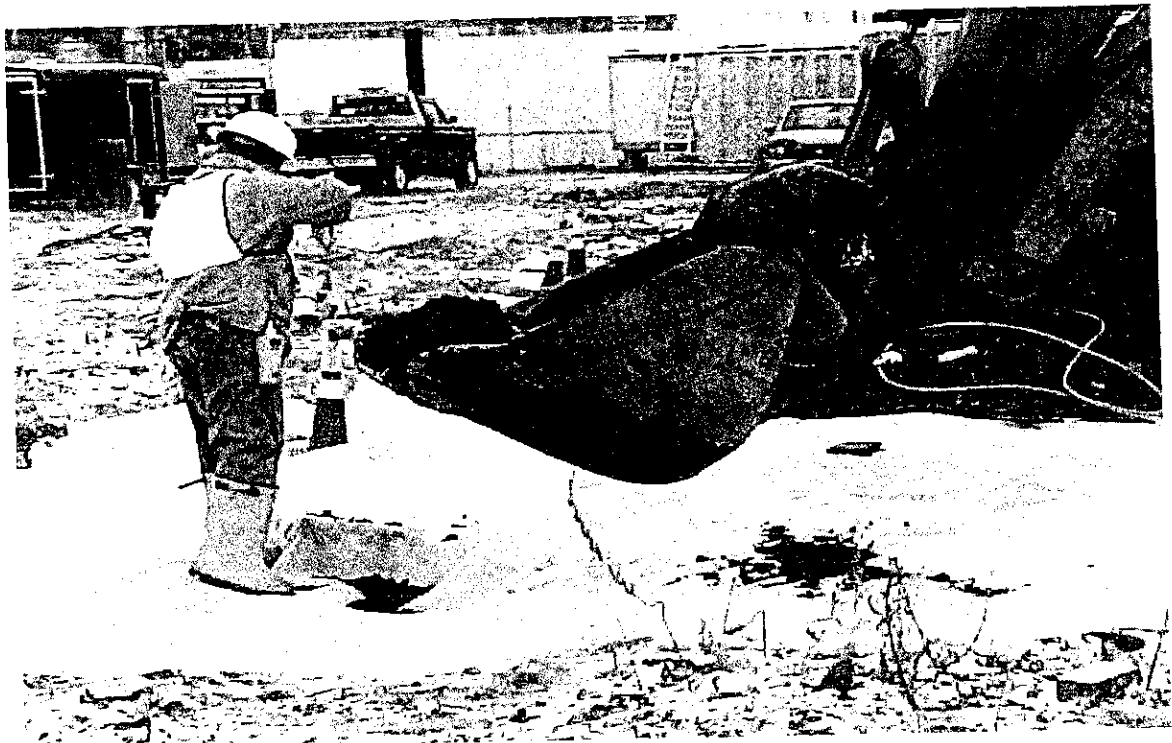
Project Completed



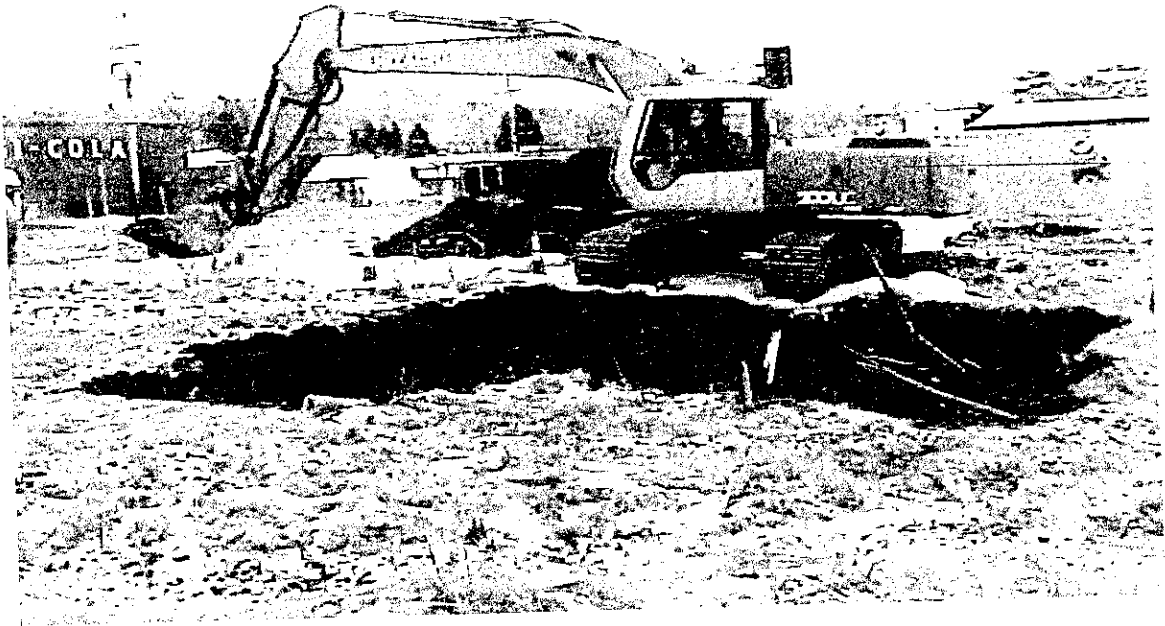
Appendix F
Photograph Log



Excavation of Solvent Room Area



Sampling and Screening of Excavation Area 07



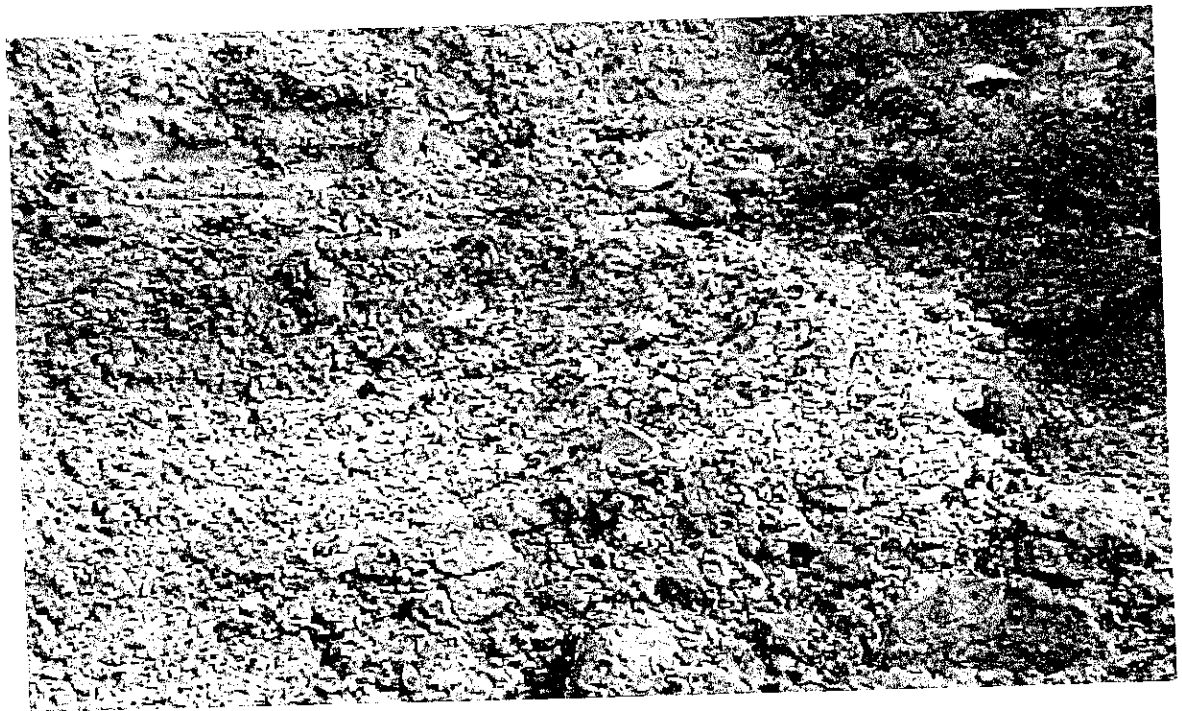
Excavation and Stockpiling of Soil from Area 07



Excavation and Screening of Soil from Area 07



Excavation and Stockpiling of Soil from Area 07



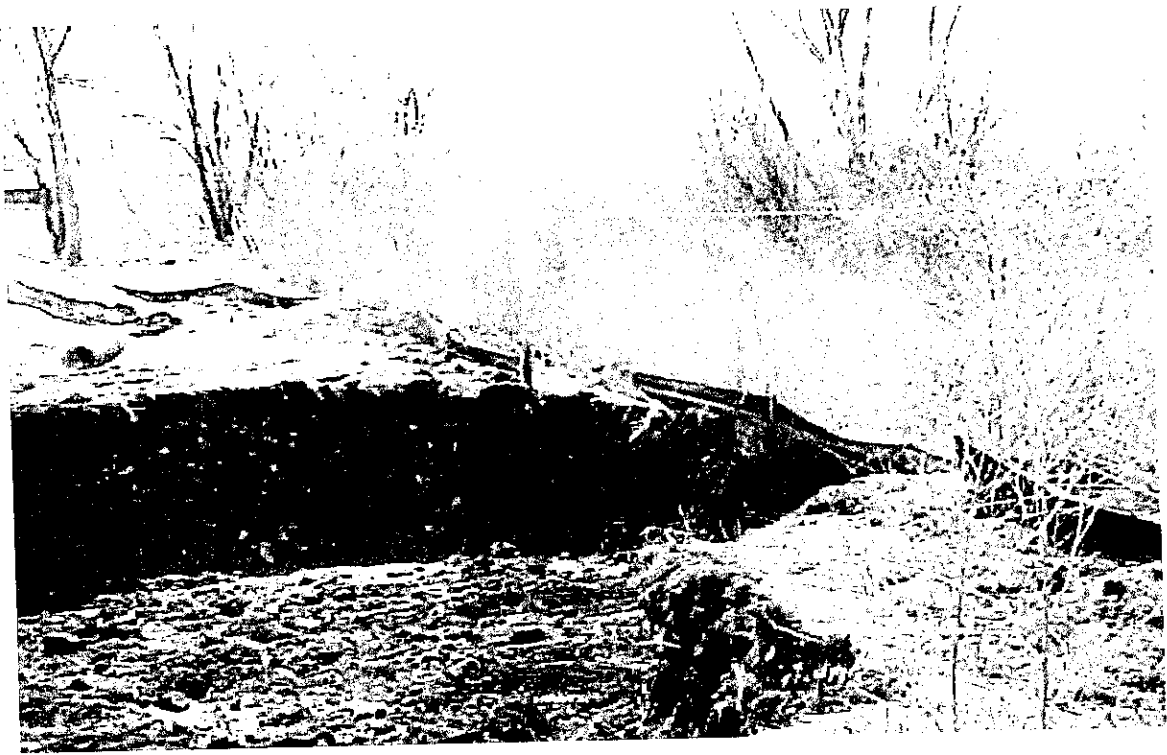
East Sidewall of Solvent Room Excavation



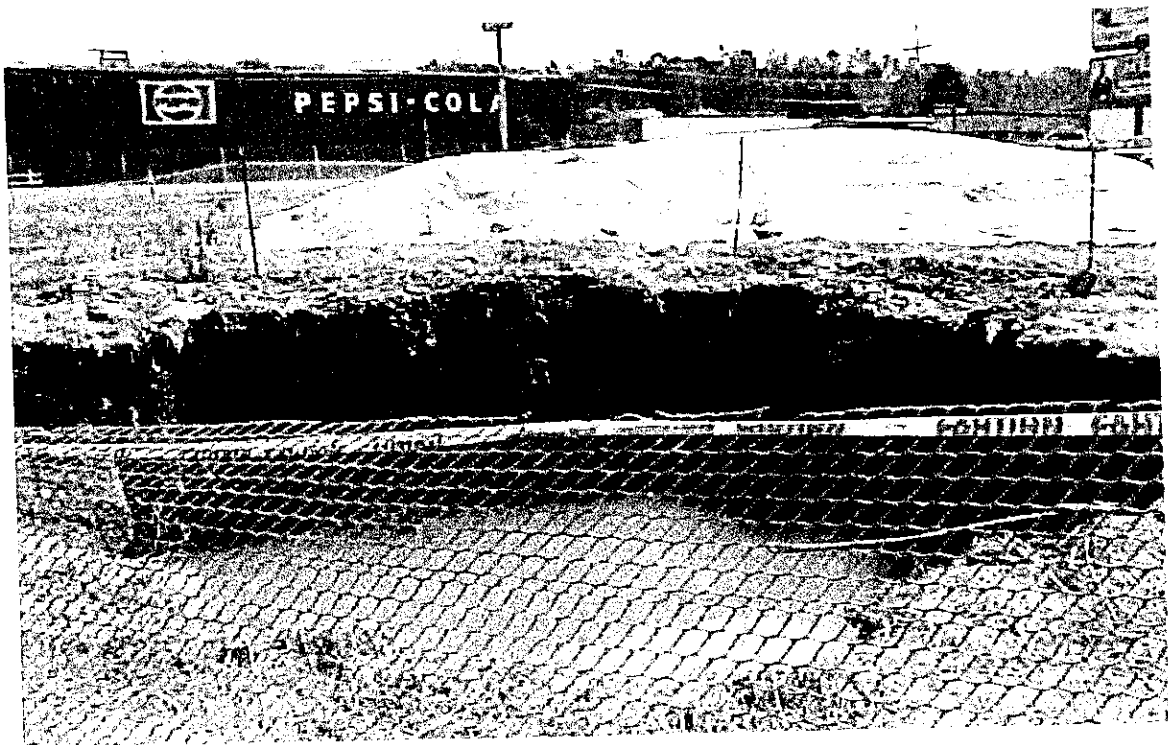
Debris Encountered During Area 03 and C2 Excavation



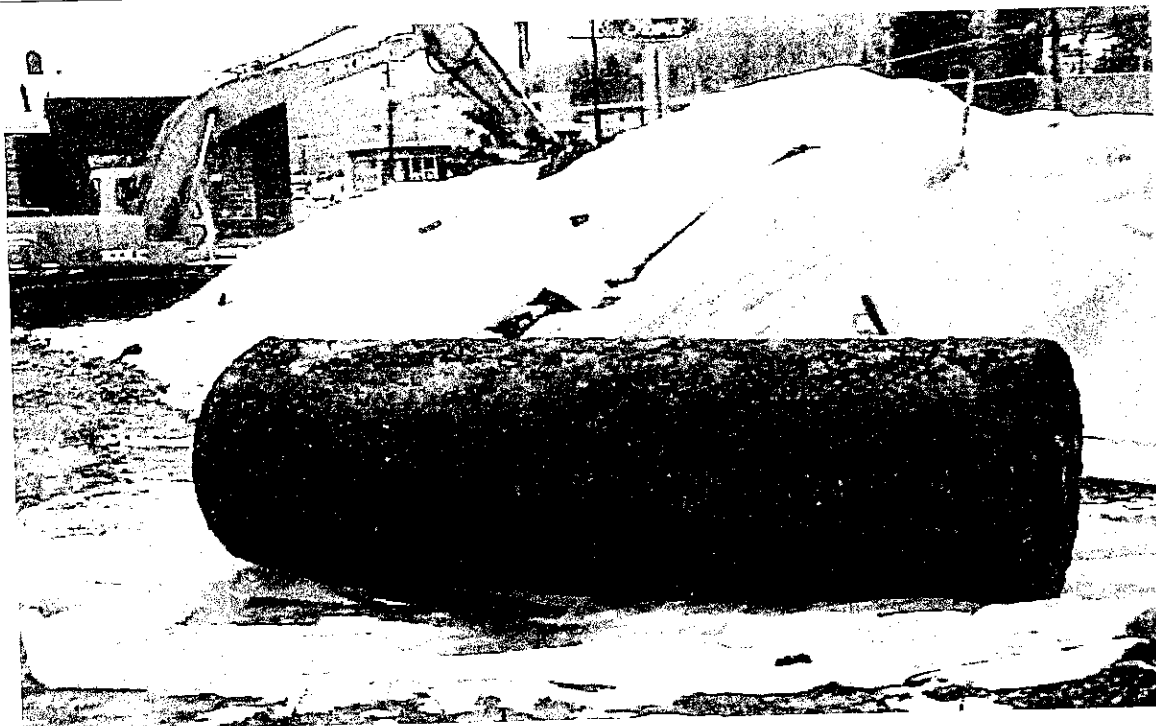
Loadout of Stockpiled Soil from Area C2 and 03



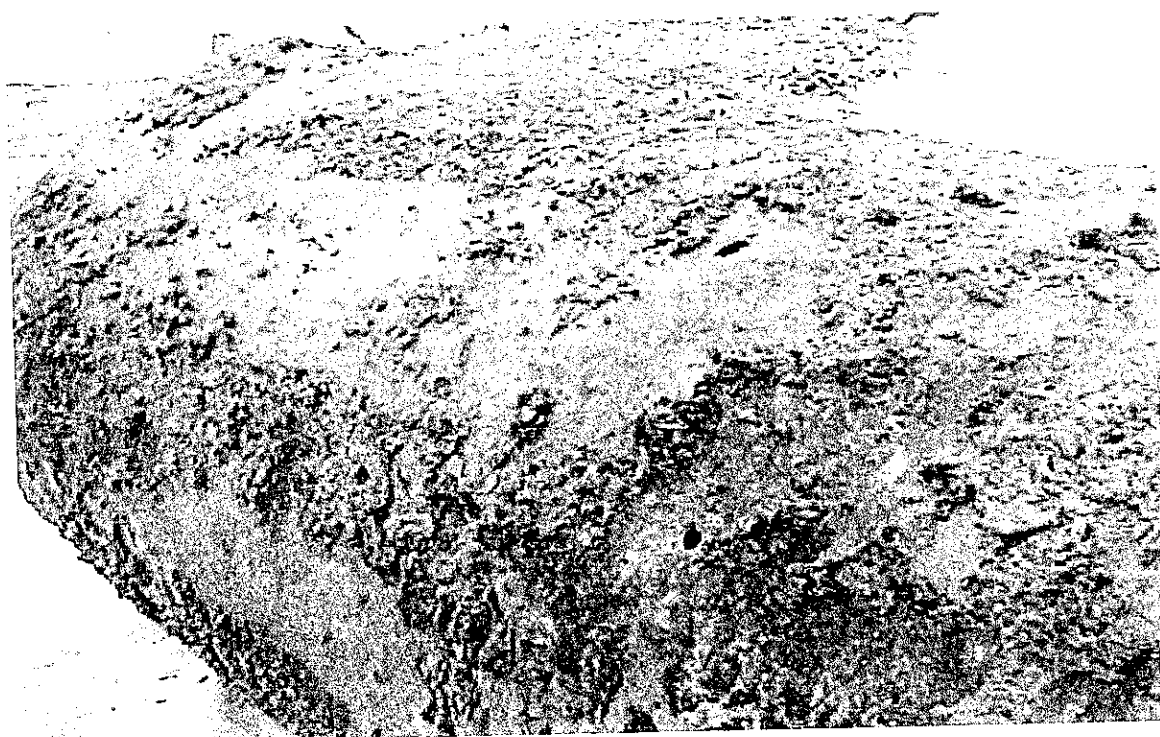
Excavation of Area C2 and 03 to Fenceline



Standing Water in Area 07 After Excavation and Stockpiling Were Complete



1000-Gallon Tank after Removal Placed on Liner



Holes Observed in 1000 Gallon Tank after Removal

Appendix G
March 2003 ESD

EXPLANATION OF SIGNIFICANT DIFFERENCES

PELICAN MANUFACTURING SITE



City of Jamestown / Chautauqua County / Registry No. 9-07-010 / March 2003
 Prepared by the New York State Department of Environmental Conservation
 Division of Environmental Remediation

1.0 Introduction

The purpose of this notice is to describe the progress of the cleanup at the Pelican Manufacturing Site and to inform you about a change in the site remedy. The 1.3 acre Pelican Site is located at 2223 Washington Street, northwest of the intersection of Washington Street and 23rd Street in the City of Jamestown, Chautauqua County. In March of 1995, the New York State Department of Environmental Conservation (NYSDEC) signed a Record of Decision (ROD) which selected a remedy consisting of a soil vapor extraction system (SVE) in conjunction with a groundwater extraction and treatment system to cleanup the Site. Groundwater recovery was deemed necessary to lower the water table and enhance the effectiveness of the SVE system. Certain aspects of the remedy included in the ROD have been modified. The main change to the remedy is that remaining soils contaminated with degreasing solvents at levels above remedial action objectives will be excavated, characterized, and disposed of off site.

The modified remedy consists of: 1) excavation and proper off-site disposal of remaining soils containing degreasing solvents (suspected of being the original source of the volatile organic compound (VOC) contamination found in the groundwater); 2) removal and on-site treatment of groundwater that accumulates in the excavation utilizing a temporary groundwater treatment system supplied by the contractor. The treatment system will consist of pumps, storage tanks, and activated carbon to remove the VOCs; 3) backfilling of the excavations with clean soils imported from off-site; 4) and a monitoring program to evaluate the natural attenuation of groundwater contaminant levels.

This Explanation of Significant Differences (ESD) will become part of the Administrative Record for this site. The information here is a summary of what can be found in greater detail in documents that have been placed in the following repositories:

James A Prendergast Library 509 Cherry Street Jamestown, NY 14701 (716) 484-7135 Call for hours	NYSDEC Div. of Environmental Remediation Bureau of Construction Services 12 th Floor, Albany, NY 12233-7013 David Chiusano, Project Manager (518) 402-9812 (M-F, 7:00 a.m. -3:30 p.m.)	NYSDEC Region 9 Office 270 Michigan Avenue Buffalo, NY 14203 Attn: Michael Podd (716) 851-7220 (M-F 8:30 a.m. - 4:45 p.m by appt.)
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Although this is not a request for comments, interested persons are invited to contact the NYSDEC's Project Manager for this site to obtain more information or have questions answered.

APR 1 2003

2.0 SITE DESCRIPTION AND ORIGINAL REMEDY

2.1 Site History, Contamination, and Selected Remedy

The 1.3 acre Pelican Manufacturing Site is located in the City of Jamestown, Chautauqua County, New York (Figure 1). A once deteriorating and now demolished, 10,000 ± square foot building on site was used from the early 1970s to 1987 as a metal fabricating and finishing business, first by A.M.S. Co., (1971-1979) and then by Pelican Manufacturing, Inc. In 1993, the City of Jamestown foreclosed on the property for non-payment of taxes. Past spills and disposal of the degreasing solvents in and around the building resulted in the contamination of soils and groundwater at the site by VOCs. A ROD was signed on March 22, 1995, and selected a remedy consisting of groundwater extraction and treatment in conjunction with a soil vapor extraction (SVE) system to remediate the contamination.

Beginning in August 1996 the remedial design of the selected remedy was prepared and a performance based approach to designing and building the selected remedy was undertaken. Following the bid solicitation process and approval by the Office of the State Comptroller (OSC), formal notice to proceed was granted to Earth Tech (formerly Rust) on December 29, 1997 to proceed with remedial construction, remedial construction management, and Operation & Maintenance (O & M) services at the subject site. Through use of the 1986 Environmental Quality Bond Act funds, remedial construction by Treatek-CRA (CRA), contracted by Earth Tech, was conducted from June 1998 through January 1999.

The SVE and groundwater treatment system was activated in January 1999. Contaminated sediments from the building's floor drains and from a septic tank located at the rear of the building were removed and disposed of off site. In February 2000, Earth Tech evaluated the performance of the treatment system and determined that the existence of a VOC source area below the former solvents room within a portion of the deteriorating building was contributing to the groundwater plume more than originally anticipated. Consequently, it was concluded that operation of the treatment system will be significantly prolonged in order to achieve ROD remedial goals. As such, Earth-Tech recommended that the NYSDEC evaluate demolishing the collapsing site structure to allow removal of the contamination source. This would shorten the required treatment time and possibly result in the property being put back into productive use by the City of Jamestown (City). Based on that recommendation, the City was approached by the NYSDEC to pay for the demolition costs. In February 2001, the treatment system was shut down. The City subsequently demolished the building, removed the concrete foundation, and rough graded the site in December 2001 and January 2002, thus making the remaining contaminated soil accessible for excavation.

With the building and foundation removed, the NYSDEC evaluated the necessity of restarting the treatment system and compared those costs to a source removal (soil excavation/off-site disposal) effort. As part of that evaluation, a confirmatory soil sampling program was conducted in February 2002 to evaluate the effectiveness of the soil vapor extraction remediation and determine the extent of soil contamination remaining. Based on the data gathered, it was determined that approximately 250 tons of hazardous soil and 550 tons of non-hazardous soil remain to be remediated (see Figure 2). With that amount of contamination remaining, Earth Tech estimated that the existing SVE and groundwater treatment system would need to be operated, monitored, and maintained at least another five years at an annual cost of \$60,000 per year (\$300,000). In comparison, the estimated cost to implement the source removal remedy was determined to be \$170,000. Moreover, the source removal remedy could be completed within one month from equipment mobilization. As such, it was determined that the treatment system would be demobilized and a source removal option would be pursued.

3.0 CURRENT STATUS

The NYSDEC has approached Chautauqua County to cover the costs and conduct the work associated with off-site transportation and disposal of non-hazardous soils to be excavated and stockpiled by the NYSDEC. Negotiations on the agreement between the NYSDEC and Chautauqua County have been finalized. The scope of work associated with implementation of the modified remedy has been completed by Earth Tech. Earth Tech has awarded the contract to perform the work to Hickory Hill Construction, Inc. Mobilization of construction equipment is scheduled for March 31, 2003. Construction work is scheduled to be initiated and completed during April 2003.

4.0 DESCRIPTION OF SIGNIFICANT DIFFERENCES

4.1 Comparison of Changes with Original Remedy

The following points describe the significant differences to the remedy, compared to the remedy selected in the March 1995 ROD: 1) soils contaminated with degreasing solvents will be excavated and disposed off site in compliance with NYSDEC regulations; 2) groundwater extraction and treatment, utilizing a temporary groundwater treatment system supplied by the contractor, will only be conducted during the excavation activities, with groundwater collected from the open excavations rather than an ongoing system using wells as the means for extracting groundwater. The temporary treatment system will consist of pumps, storage tanks, and activated carbon to remove the VOCs, and 3) a monitoring program will be put in place to monitor the natural attenuation of groundwater contaminant levels. Modification of the remedy will reduce the time needed to address the remaining source of soil contamination at a reduced cost. This modification will also make the property available for economic development by the City of Jamestown.

The remedial goals included in the March 1995 ROD for this site include:

- The concentrations of VOCs in surface soil should be reduced to a level that results in acceptable levels of risk associated with dermal contact, ingestion of contaminated soil, or inhalation of volatiles released from the soil.
- The remedial program should prevent future leaching of contaminants present in the soil into the groundwater at concentrations that exceed groundwater quality standards.
- Eliminate the threat to surface waters by eliminating the runoff of contaminated on-site soils and eliminating, to the extent practicable, the discharge of contaminated groundwater to surface water.
- To the extent practicable, provide for the attainment of groundwater quality standards.
- The contained sediments should be removed to eliminate the potential for future release into the environment.

The ROD, as modified by this Explanation of Significant Differences (ESD), is protective of human health and the environment and meets the goals originally included in the March 1995 ROD. The New York State Department of Health concurs with the modified remedy.

5.0 SCHEDULE AND MORE INFORMATION

It is the intention of the NYSDEC to begin excavation activities in March 2003. Completion of construction activities and initiation of groundwater monitoring is currently scheduled for April 2003. If you have questions or need additional information, you may contact any of the following:

Mr. David J. Chiusano, Project Manager
NYS Dept. of Environmental Conservation
625 Broadway
Albany, NY 12203-7013
(518) 402-9812

Mr. Greg Sutton, Regional Contact
NYS Dept. of Environmental Conservation
Region 9 Headquarters
270 Michigan Avenue
Buffalo, NY 14203
(716) 851-7220

Mr. Cameron O'Connor
Public Health Specialist
NYS Department of Health
584 Delaware Avenue
Buffalo, NY 14202
(716) 847-4385

Figure 1 - Pelican Manufacturing Site (#9-07-010) Site Location Map

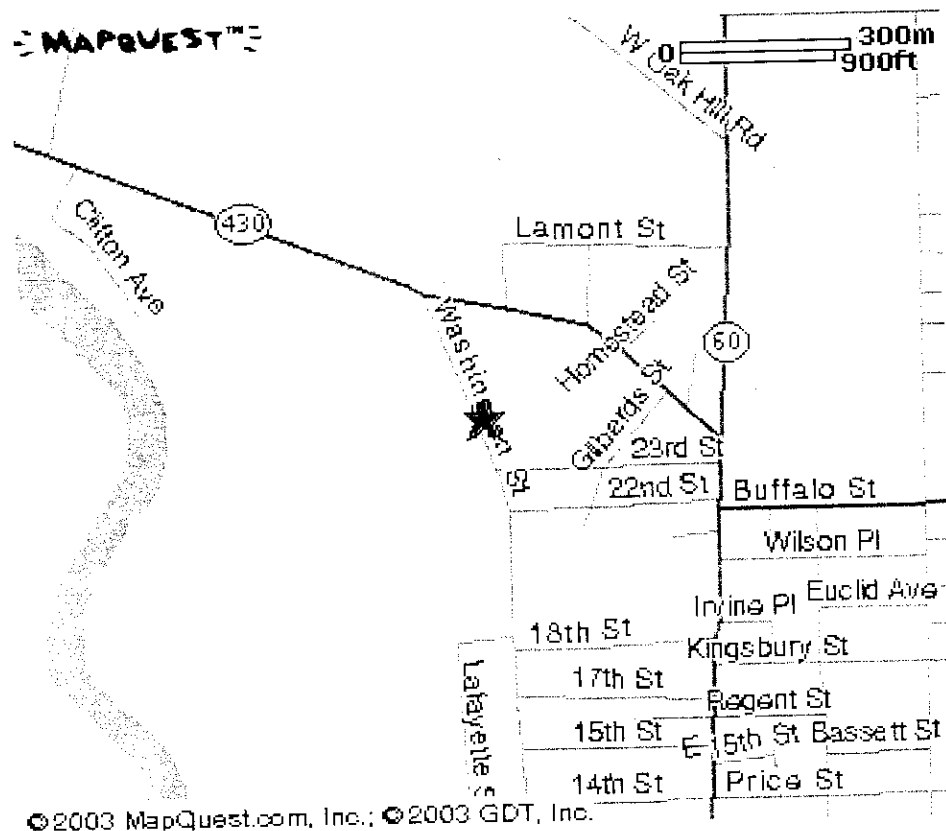
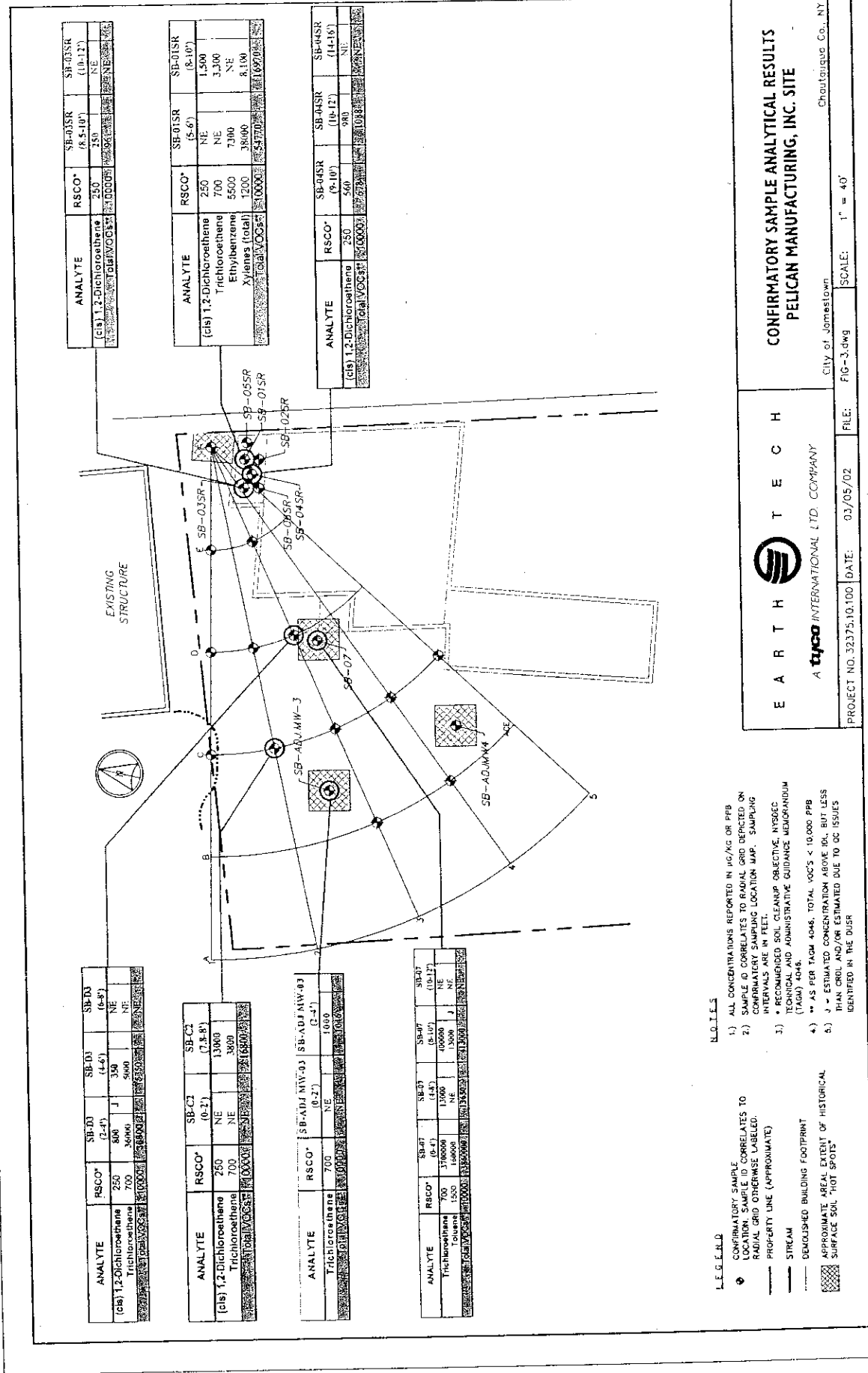


FIGURE 2

EXTENT OF REMAINING SOIL CONTAMINATION



- LEGEND**
- CONFIRMATORY SAMPLE LOCATION. SAMPLE ID CORRELATES TO RADIAL GRID OTHERWISE LABELED.
 - PROPERTY LINE (APPROXIMATE)
 - STREAM
 - DEMOLISHED BUILDING FOOTPRINT
 - APPROXIMATE AREAL EXTENT OF HISTORICAL SURFACE SOIL "HOT SPOTS"
- NOTES**
- ALL CONCENTRATIONS REPORTED IN $\mu\text{G}/\text{KG}$ OR PPB
 - SAMPLE ID CORRELATES TO RADIAL GRID DEPICTED ON CONFIRMATORY SAMPLING LOCATION MAP. SAMPLING INTERVALS ARE IN FEET.
 - RECOMMENDED SOIL CLEANUP OBJECTIVE, NYDEC TECHNICAL AND ADMINISTRATIVE GUIDANCE MEMORANDUM (TAGM) 4048.
 - ** AS PER TACM 4048, TOTAL VOC'S < 10,000 PPB
 - ** AS ESTIMATED CONCENTRATION ABOVE 10L, BUT LESS THAN 100L AND/OR ESTIMATED DUE TO OC ISSUES IDENTIFIED IN THE DUSR

Appendix H

Lloyd Kahn Method for TOC

Determination of Total Organic Carbon in Sediment
(Lloyd Kahn Method)
July 27, 1988

Prepared by: Lloyd Kahn, Quality Assurance Specialist

Affiliation: U.S. Environmental Protection Agency, Region II
Environmental Services Division
Monitoring Management Branch
Edison, New Jersey 08837

Determination of Total Organic Carbon in Sediment

1. Scope and Application

- 1.1 This method describes protocols for the determination of organic carbon in ocean sediments.
- 1.2 Although the detection limit may vary with procedure or instrument, a minimum reporting value of 100 mg/kg will be required for the ocean dumping/dredging program.
- 1.3 Several types of determinations, which are considered equivalent are presented.
- 1.4 Data are reported in mg/kg on a dry weight basis.
- 1.5 Wet combustion methods are not considered to be equivalent to the pyrolytic methods herein described.

2. Summary of Method

- 2.1 Inorganic carbon from carbonates and bicarbonates is removed by acid treatment.
- 2.2 The organic compounds are decomposed by pyrolysis in the presence of oxygen or air.
- 2.3 The carbon dioxide that is formed is determined by direct nondispersive infrared detection, flame ionization gas chromatography after catalytic conversion of the carbon dioxide to methane; thermal conductivity gas chromatography, differential thermal conductivity detection by sequential removal of water and carbon dioxide; or thermal conductivity detection following removal of water with magnesium perchlorate.

3. Sample Handling and Preservation

- 3.1 Collect sediments in glass jars with Teflon or aluminum foil. Cool and maintain at 4°C. Analyze within 14 days.

4. Interferences

- 4.1 Volatile organics in the sediments may be lost in the decarbonation step resulting in a low bias.
- 4.2 Bacterial decomposition and volatilization of the organic compounds are minimized by maintaining the sample at 4°C, analyzing within the specified holding time, and analyzing the wet sample.

5. Apparatus

5.1 Drying oven maintained at 103°-105°C.

5.2 Analytical instrument options:

5.2.1 Perkin Elmer Model 240C Elemental Analyzer or equivalent.

5.2.1.1 In this instrument, the sample from Section 7.2 is pyrolyzed under pure oxygen, water is removed by magnesium perchlorate and the carbon dioxide is removed by ascarite. The decrease in signal obtained by differential thermal conductivity detectors placed between the combustion gas stream before and after the ascarite tube is a measure of the organic carbon content.

5.2.2 Carlo Erba Model 1106-CHN Analyzer or equivalent.

5.2.2.1 In this apparatus, the sample is pyrolyzed in an induction type furnace, and the resultant carbon dioxide is chromatographically separated and analyzed by a differential thermal conductivity detector.

5.2.3 LECO Models WR-12, WR-112, or CR-12 carbon determinators or Models 600 or 800 CHN analyzers.

5.2.3.1 In the LECO WR-12, the sample is burned in a high frequency induction furnace, the carbon dioxide is selectively adsorbed at room temperature in a molecular sieve. It is subsequently released by heating and is measured by a thermal conductivity detector. The WR-112 is an upgraded WR-12 employing microprocessor electronics and a printer to replace the electronic digital voltmeter.

5.2.3.2 In the LECO CR-12 carbon determinator, the sample is combusted in oxygen, moisture and dust are removed by appropriate traps and the carbon dioxide is measured by a selective, solid state, infrared microprocessor and the carbon content is displayed on a digital readout and recorded on an integral printer.

5.2.3.3 In the LECO CHN-600 and CHN-800 elemental analyzers, the sample is burned under oxygen in a resistance furnace and the carbon dioxide is measured by a selective infrared detector.

5.2.4 Dohrman Model DC-85 Digital High Temperature TOC Analyzer

5.2.4.1 In this instrument, the sample is burned in a resistance furnace under oxygen, the interfering gases are removed by a sparger/scrubber system and the carbon dioxide is measured by non-dispersive infrared detectors and shown on a digital display in concentration units.

- 5.3 No specific analyzer is recommended as superior. The above listing is for information only and is not intended to restrict the use of other unlisted instruments capable of analyzing TOC. The instruments to be used must have the following specifications:
- 5.3.1 A combustion boat which is heated in a stream of oxygen or air in a resistance or induction-type furnace to completely convert organic substances to CO₂ and water.
 - 5.3.2 A means to physically or by measurement technique to separate water and other interferants from CO₂.
 - 5.3.3 A means to quantitatively determine CO₂ with adequate sensitivity (100 mg/kg), and precision (25% at the 95% confidence level as demonstrated by repetitive measurements of a well mixed ocean sediment sample).
- 5.4 A strip chart or other permanent recording device to document the analysis.

6. Reagents

- 6.1 Distilled water used in preparation of standards and for dilution of samples should be ultra pure to reduce the carbon concentration of the blank.
- 6.2 Potassium hydrogen phthalate, stock solution, 100 mg carbon/liter: Dissolve 0.2128 g of potassium hydrogen phthalate (Primary standard Grade) in distilled water and dilute to 100.0 ml.
- 6.3 Potassium hydrogen phthalate, standard solutions: prepare standard solutions from the stock solution by dilutions with distilled water.
- 6.4 Phosphoric acid solution, 1:1 by volume.

7. Procedure

- 7.1 Weigh the well mixed sample (up to 500 mg) into the combustion boat or cup. Add 1:1 phosphoric acid drop-wise until effervescence stops. Heat to 75°C.
- 7.2 Analyze the residue according to the instrument manufacturer's instructions.
- 7.3 Determine percent residue on a separate sample aliquot as follows:
 - 7.3.1 Heat a clean 25 ml beaker at 103-105°C for one hour. Cool in desiccator, weigh to the nearest mg and store in desiccator until use.
 - 7.3.2 Add 1 g, weighed to the nearest mg, of an aliquot of the well-mixed sample.

7.3.3 Dry and heat in the 103-105°C oven for 1 hour. Cool in desiccator. Weigh to the nearest mg.

8. Calibration

- 8.1 Follow instrument manufacturer's instructions.
- 8.2 Prepare calibration curve plotting mg carbon vs. instrument response, using 4 standards and a blank covering the analytical range of interest.

9. Precision and Accuracy:

- 9.1 The precision and accuracy will differ with the various instruments and matrices and must be determined by the laboratories reporting the data. To initiate a control chart, a representative sample of well-mixed sediment should be analyzed 15 times to determine the analytical precision. Set up a control chart showing 3 times the standard deviation limits for precision.
- 9.2 Subsequently during analysis of environmental samples, take one sample per batch of 20 or less and run in quadruplicate. Calculate standard deviation and report with initial control chart data.
- 9.3 If the sample being run in quadruplicate exceeds the 3 standard deviation limit, identify error and rerun environmental samples in that batch along with the quadruplicate sample.

