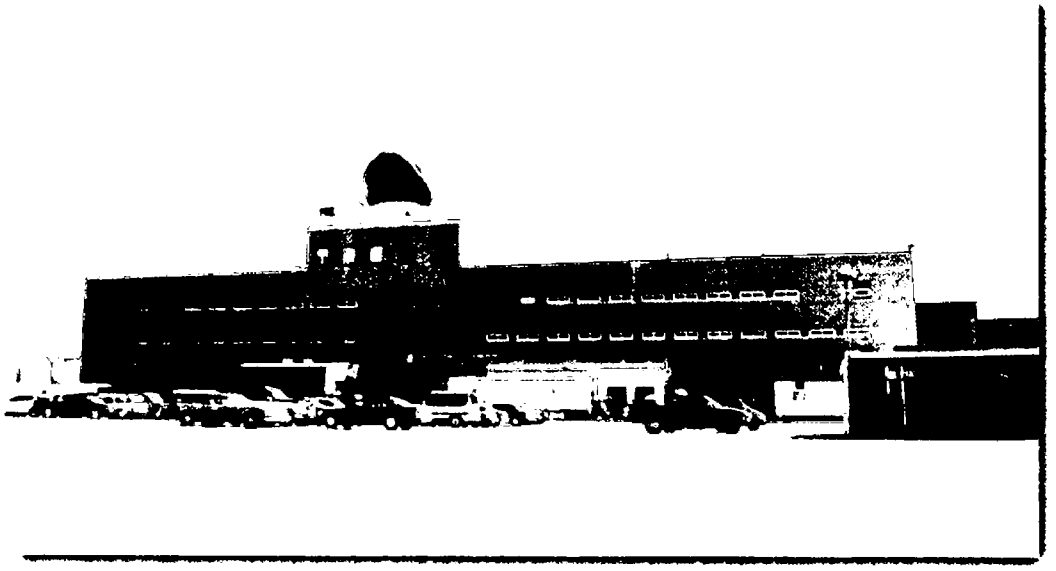
NORTHROP GRUMMAN

BETHPAGE FACILITY

NOVEMBER 2001



Phase II Site Assessment
North Structural Test Hangar/Plant 5

DVIRKA AND BARTILUCCI
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

RLA/JOBS/NG80198(10/4/00)

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November 7, 2001

Fred Weber
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Northrop Grumman Corporation
South Oyster Bay Road
Mail Stop D08-001
Bethpage, New York 11714-3582

Re: Northrop Grumman Corporation
Phase II Site Assessment
North Structural Test Hangar/Plant 5
Bethpage, NY
D&B No. 1572-08

Dear Mr. Weber:

Enclosed, please find seventeen copies of the document entitled:

"Phase II Site Assessment
North Structural Test Hangar/Plant 5
Bethpage, New York"

If you have any questions and/or comments, please do not hesitate to contact Mr. Adam S. Postyn or me at (516) 364-9890.

Very truly yours,

Richard M. Walka
Vice President

RMW/ASPt/jmy
cc: A. Postyn (D&B)
♦1572\RMW01LTR-11.DOC

PHASE II SITE ASSESSMENT
NORTH STRUCTURAL TEST HANGAR/PLANT 5
BETHPAGE, NEW YORK

Prepared for:

NORTHROP GRUMMAN CORPORATION

BETHPAGE, NEW YORK

Prepared by:

DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

WOODBURY, NEW YORK

NOVEMBER 2001

NORTHROP GRUMMAN CORPORATION
PHASE II SITE ASSESSMENT
NORTH STRUCTURAL TEST HANGAR/PLANT 5
BETHPAGE, NEW YORK

TABLE OF CONTENTS

List of Appendices

List of Figures

List of Tables

Section 1

1.0 INTRODUCTION

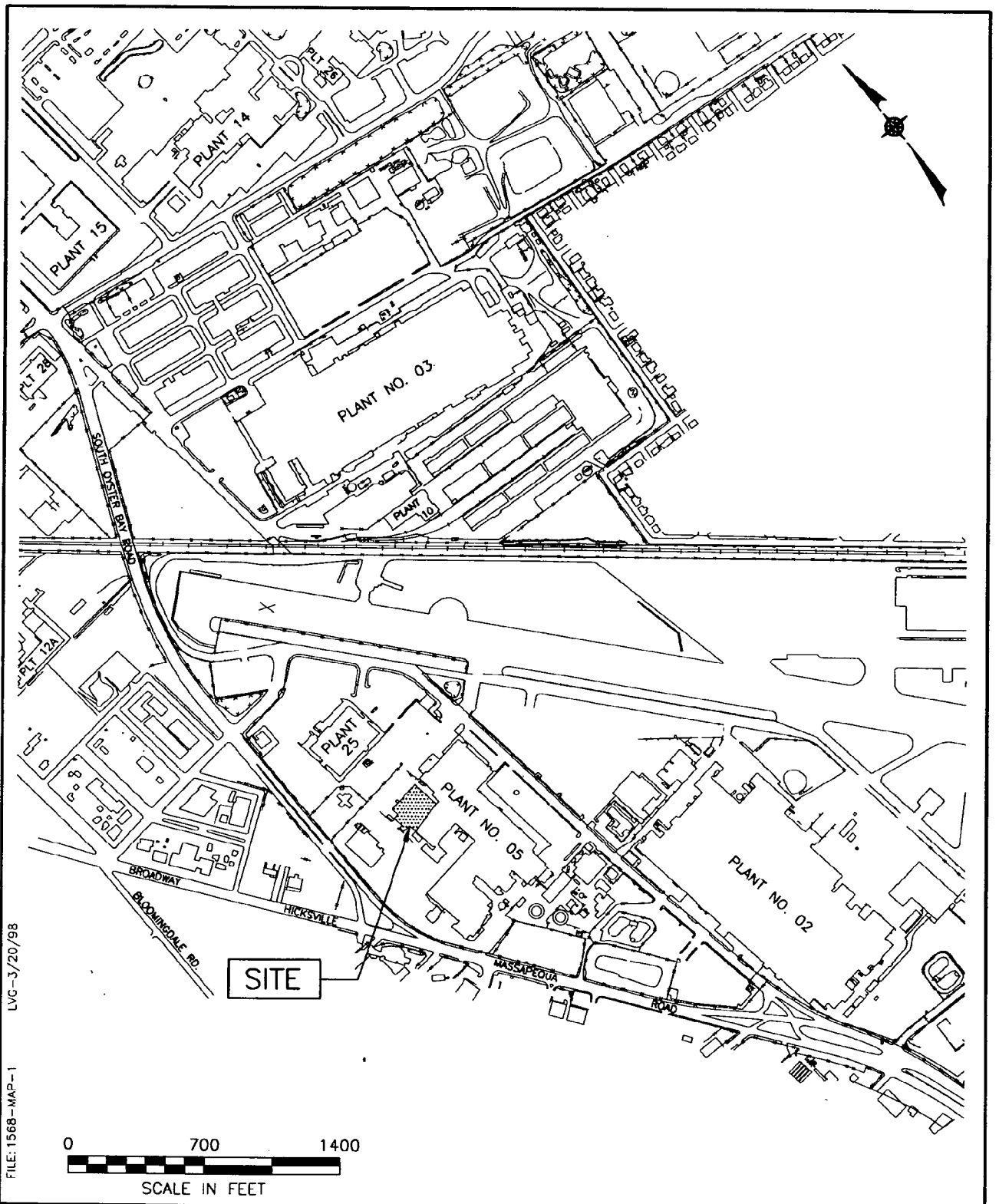
This document presents the findings of a Phase II Site Assessment undertaken at the Northrop Grumman Corporation (NGC) site known as "North Structural Test Hangar/ Plant 5," located on the east side of South Oyster Bay Road Extension at the intersection with Hicksville Road (Route 107) in Bethpage, New York. A site location map is presented on Figure 1-1.

The North Structural Test Hangar/Plant 5 site is located on tax lot No: Section 46, Block 323, Lot 223. The land comprising the site is currently owned by Northrop Grumman Corporation (NGC) (formerly known as Grumman Aerospace Corporation or Grumman) while the Plant 5 building is owned by the Navy. The hangar and ancillary facilities are approximately 26,500 square feet. The property is zoned Industrial H. Zoning to the north, east, south and west is also industrial. Zoning further west, south and east is high density residential. Areas of commercial zoning are located along South Broadway and portions of Central Avenue, located to the south of the NGC property. A site plan of the first floor of the North Structural Test Hangar is presented on Figure 1-2.

Land in the vicinity of the North Structural Test Hangar/Plant 5 site is generally level and appears to be well drained. Ground elevation is approximately 110 feet above mean sea level. The Soil Conservation Service (SCS) classifies soil in the vicinity of the North Structural Test Hangar/Plant 5 as Urban Land.

Upon review of the findings of the Phase I Site Assessment Update, it was determined that sampling and analysis was required at the following areas of concern (AOCs) to determine if environmental media had been impacted:

- North Structural Test Hangar Trenches (Room 29);
- Former Pump Room (Room 15);
- Former Hydraulic Pump Room (Room 18);



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NORTHROP GRUMMAN CORPORATION
BETHPAGE, NEW YORK
NORTH STRUCTURAL TEST HANGAR/PLANT 5

SITE LOCATION MAP

Dvirka and Bartilucci
Consulting Engineers
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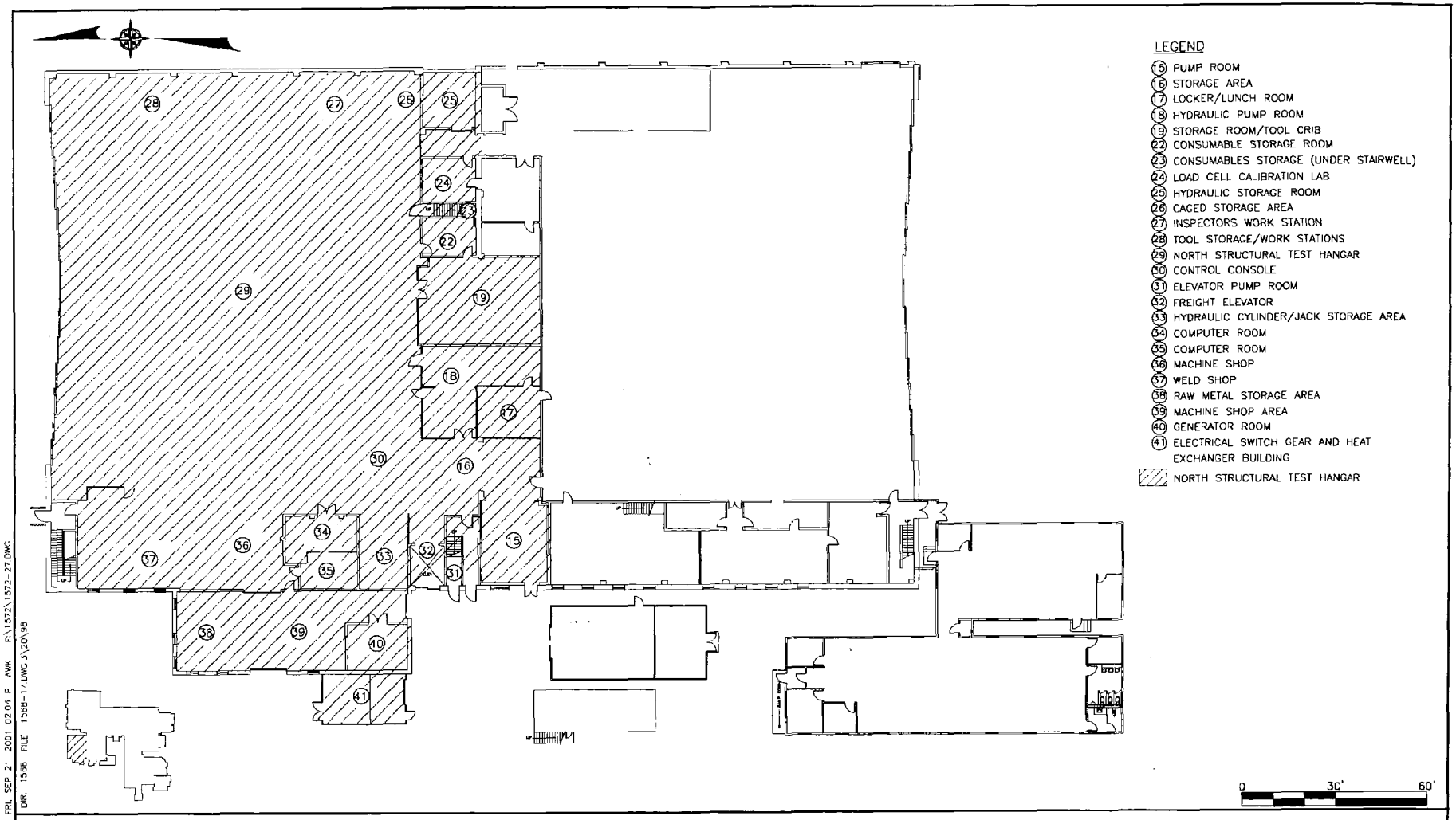
FIGURE 1-1



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NORTHROP GRUMMAN CORPORATION
BETHPAGE, NEW YORK
NORTH STRUCTURAL TEST HANGAR/PLANT 5

NORTH STRUCTURAL TEST HANGAR – FIRST FLOOR PLAN

FIGURE 1-2

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C

- Former Storage Room/Tool Crib (Room 19); and
- Former Hydraulic Storage Room (Room 25).

The objective of this report is to document the investigation activities conducted at the AOCs listed above, present the analytical results of soil samples and a concrete core collected during this field program and provide an interpretation of the analytical results of these samples with respect to appropriate environmental standards and guidance values. Based upon the findings of the investigation, conclusions and recommendations are also provided.

Section 2.0 of this document presents an overview of the scope of work and field investigation procedures followed throughout the course of the Phase II Site Assessment Program for the North Structural Test Hangar/Plant 5 site. Section 3.0 presents the findings of the investigation activities. Based on the findings of this investigation, conclusions and recommendations in support of remedial actions are provided in Section 4.0.

Soil boring logs for the Phase II Site Assessment program for the North Structural Test Hangar/Plant 5 site are presented in Appendix A. The laboratory is provided in Appendix B.

Section 2

2.0 FIELD PROGRAM

2.1 Scope of Work

The results of the Phase I Site Assessment Update at the North Structural Test Hangar/ Plant 5 site were used to identify environmental AOCs that required sampling and analysis. As described in Section 1.0, five AOCs were determined to require sampling and analysis to determine if environmental media had been impacted. The number of borings and samples collected from each AOC and the analytical parameters conducted for each soil sample is described below. Sample locations are shown in Figure 2-1. The sampling conducted at the North Structural Test Hangar/Plant 5 site was conducted on September 4, 2001.

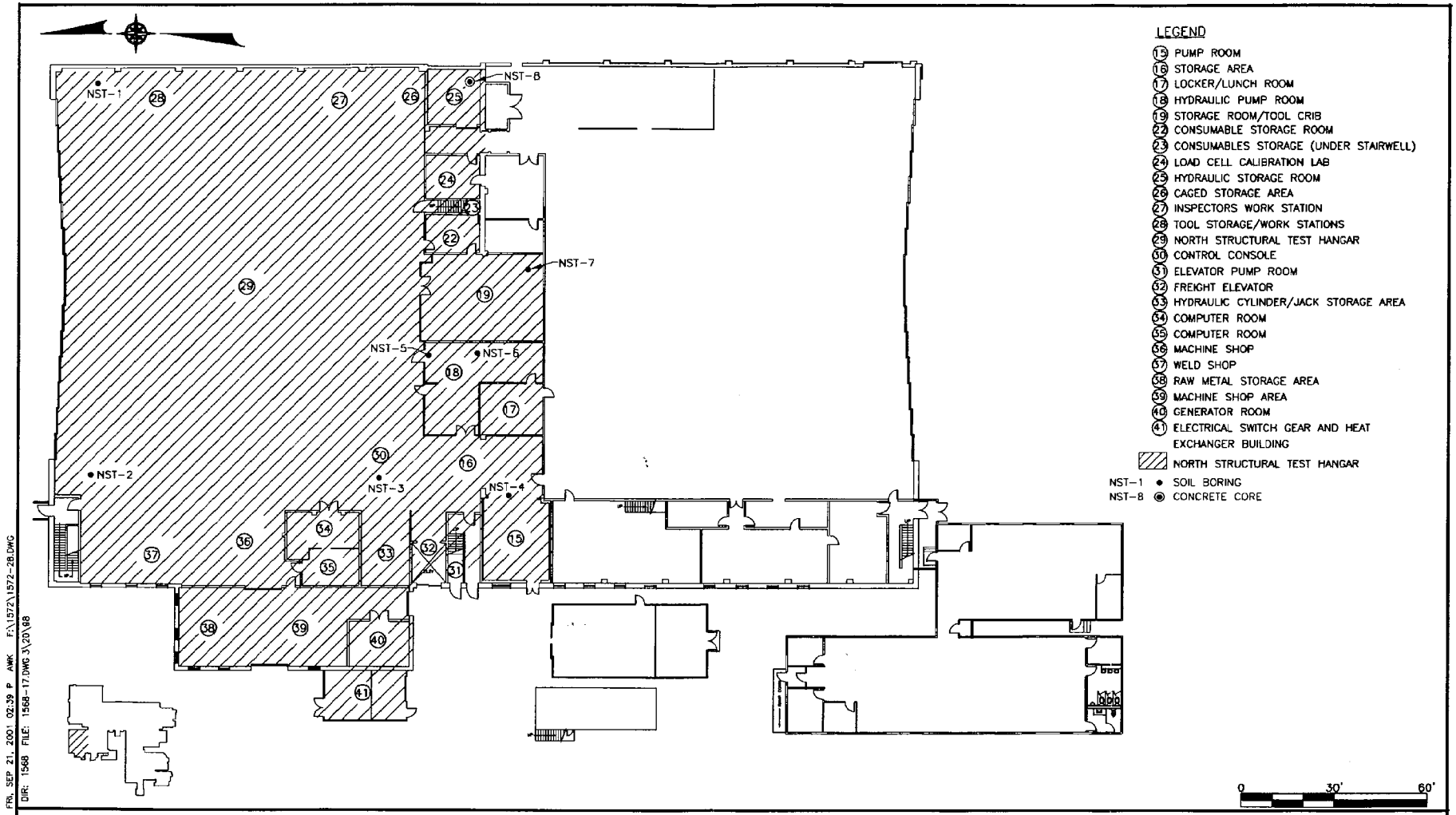
North Structural Test Hangar Trenches (Room 29)

A total of three soil borings were advanced utilizing the Geoprobe technique within representative locations of the Test Hangar Trenches. Two soil borings were advanced adjacent to former floor drains located within two separate areas of the trench system. The third soil boring was advanced within a portion of the trench system that, according to NGC site representatives, was subject to frequent hydraulic oil spills.

The three soil borings were advanced to a depth of 4 feet below the bottom of the trench. Continuous 2-foot soil samples were collected from each soil boring for analysis of volatile organic compounds (VOCs) by Method 8260, semi-volatile organic compounds (SVOCs) by Method 8270, RCRA metals by Methods 6010/7471, and polychlorinated biphenyls (PCBs) by Method 8082.

Former Pump Room (Room 15)

One soil boring was advanced to a depth of 4 feet below the bottom of the trench located in the Former Pump Room. Continuous 2-foot soil samples were collected from the soil boring



NORTHROP GRUMMAN CORPORATION
BETHPAGE, NEW YORK
NORTH STRUCTURAL TEST HANGAR/PLANT 5

Dvirka and Bartilucci
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NORTH STRUCTURAL TEST HANGAR – SAMPLE LOCATION MAP

FIGURE 2-1

for analysis of VOCs by Method 8260, SVOCs by Method 8270, RCRA metals by Methods 6010/7471, and PCBs by Method 8082.

Former Hydraulic Pump Room (Room 18)

Two soil borings were advanced to a depth of 4 feet below the bottom of the trench located in the Former Hydraulic Pump Room. Continuous 2-foot soil samples were collected from each soil boring for analysis of VOCs by Method 8260, SVOCs by Method 8270, RCRA metals by Methods 6010/7471, and PCBs by Method 8082.

Former Storage Room/Tool Crib (Room 19)

One soil boring was advanced utilizing the Geoprobe technique within the southeast location of the Former Storage Room/Tool Crib where staining of the wood block floor was observed. The soil boring was advanced to a depth of 4 feet below grade. Continuous 2-foot soil samples were collected from the soil boring for analysis of VOCs by Method 8260, SVOCs by Method 8270, RCRA metals by Methods 6010/7471, and PCBs by Method 8082.

Former Hydraulic Storage Room (Room 25)

One concrete core sample was collected from a portion of the Former Hydraulic Storage Room where deteriorated concrete was observed. The concrete core sample was analyzed for SVOCs by Method 8270, RCRA metals by Methods 6010/7471, and PCBs by Method 8082.

Each collected sample was submitted under a chain of custody to Mitkem Corporation, a subcontractor to D&B. A set of quality control/quality assurance (QA/QC) samples consisting of a matrix spike and a matrix spike duplicate were collected for analysis at the rate of one set for every 20 environmental samples collected in the field. Mitkem Corporation, a New York State ELAP-approved and CLP-certified laboratory, reported all analytical results following a Category B deliverable format.

2.2 Field Activities

2.2.1 Soil Sampling

This section provides a description of the procedures used to collect soil samples at the North Structural Test Hangar/Plant 5 site. Dedicated field books, which are available in the project file, provide documentation of the daily field activities conducted at the site during the field program.

The soil probes were advanced utilizing Geoprobe tooling and a truck-mounted Simco 200 Earthprobe. The Geoprobe tooling consisted of drill rods and either a 1.5-inch outside diameter by 2-foot long or a 2-inch outside diameter by 4-foot long soil probe sampler. A clear polyethylene terephthalate-G (PETG) sample tube liner, dedicated to each soil probe sample, was used to contain the sample within the sampler. Each soil probe was advanced utilizing the Earthprobe to drive the soil probe sampler, sample tube liner and drill rods to the desired depth. The soil probe sampler was retrieved using the Earthprobe.

All soil samples collected were geologically characterized, inspected for staining, discoloration or odors, and screened for volatile organic compounds (VOCs) using an organic vapor analyzer equipped with a photoionization detector (PID). This information is included on the soil boring logs in Appendix A.

During soil probe installation, a PID was used to monitor VOCs in the workers' breathing zone and at the boreholes. Air monitoring results are documented in the project field books. The PID was calibrated on at least a daily basis, using isobutylene gas at a concentration of 100 parts per million in air. Equipment calibration was documented in the project field books.

Material to be sent for laboratory analysis was placed into laboratory-supplied sample bottles, which were immediately placed into an iced cooler for subsequent transport to the laboratory under Chain of Custody procedures. Sampled material not required for analysis was returned to the borehole from which it came. The remainder of the borehole was filled with clean

sand and/or bentonite pellets. Each borehole was restored at grade with the same material that was originally in place.

2.2.2 Concrete Core Sampling

Concrete coring was conducted utilizing a Hilti portable electric coring machine equipped with a water-cooled 3-inch diameter diamond core bit 16 inches long. The top 1-inch of the concrete core was cut by the laboratory for sample preparation and analysis.

2.2.3 Decontamination Procedures

All non-dedicated sampling equipment was decontaminated between sample locations. Decontamination procedures consisted of:

- External wash with a solution of non-phosphate detergent and potable water;
- Potable water rinse; and
- Distilled/deionized water rinse.

Decontamination fluids were contained for proper off-site transportation and disposal.

Section 3

3.0 FINDINGS

This section presents the findings of the Phase II Site Assessment for the North Structural Test Hangar/Plant 5 site including a summary of the analytical results of the soil and concrete samples obtained during the field investigation program.

Consistent with the numerical soil cleanup criteria values established in the report entitled, "Remediation Plan - Plant 5," dated March 1999, prepared by Dvirka and Bartilucci Consulting Engineers, soil sample results generated during this investigation were generally compared to the criteria included in Appendix A of the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) No. 4046 (referred to in this document as the "NYSDEC TAGM criteria"). It should be noted that the TAGM 4046 criterion for *total* PAHs of 100,000 ug/kg and the criterion for *total* carcinogenic polycyclic aromatic hydrocarbons (CaPAHs) of 10,000 ug/kg were utilized for the Phase II Site Assessment at the North Structural Test Hangar/Plant 5 site. In addition, for those samples analyzed for PCBs, the TAGM 4046 criterion of 10,000 ug/kg (total PCBs) was utilized. Also, with the exception of arsenic, the United States Environmental Protection Agency (USEPA) Soil Screening Levels (SSLs) were utilized for those soil samples that were analyzed for RCRA metals. For arsenic, criterion of 20 mg/kg was utilized in the Remediation Plan for Plant 5 referenced above. As discussed in the Plant 5 Remediation Plan, the comparison values summarized above are collectively referred to as the "Site-Specific Cleanup Criteria" for the North Structural Test Hangar/Plant 5 site.

A discussion of the field investigation findings is presented below. In addition, tables summarizing the analytical results of soil and concrete samples collected the North Structural Test Hangar/Plant 5 site are provided in Tables 3-1 through 3-4.

TABLE 3-1
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE LOCATION	North Structural Test Hangar Trenches						Former Pump Room	LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-1	NST-1	NST-2	NST-2	NST-3	NST-3	NST-4		
SAMPLE DEPTH (FT)	3-5	5-7	3-5	5-7	3-5	5-7	3-5		
DATE OF COLLECTION	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01		
% SOLIDS	97	93	97	100	99	99	93		
DILUTION FACTOR	1	1	1	1	1	1	1		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Dichlorodifluoromethane	U	U	U	U	U	U	U	5	--
Chloromethane	U	U	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	U	U	U	5	200
Bromomethane	U	U	U	U	U	U	U	5	--
Chloroethane	U	U	U	U	U	U	U	5	--
Trichlorofluoromethane	U	U	U	U	U	U	U	5	1,900
1,1-Dichloromethane	U	U	U	U	U	U	U	5	--
Acetone	3 J	8	U	U	U	U	10	5	200
Iodomethane	U	U	U	U	U	U	U	5	--
Carbone Disulfide	U	U	U	U	2 J	1 J	U	5	2,700
Methylene Chloride	U	2 J	3 J	U	8	4 J	U	5	100
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	5	300
Methyl tert-butyl ether	U	U	U	U	U	U	U	5	--
1,1-Dichloroethane	U	U	U	U	U	U	U	5	200
Vinyl acetate	U	U	U	U	U	U	U	5	--
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	5	--
2,2-Dichloropropane	U	U	U	U	U	U	U	5	--
2-Butanone	U	U	U	U	U	U	U	5	300
Bromochloromethane	U	U	U	U	U	U	U	5	--
Chloroform	U	U	U	U	U	U	U	5	300
1,1,1-Trichloroethane	U	U	U	U	U	U	U	5	800
1,1-Dichloropropene	U	U	U	U	U	U	U	5	--
Carbon Tetrachloride	U	U	U	U	U	U	U	5	--
1,2-Dichloroethane	U	U	U	U	U	U	U	5	100
Benzene	U	U	U	U	U	U	U	5	60
Trichloroethene	U	U	U	U	U	U	U	5	800
1,2-Dichloropropane	U	U	U	U	U	U	U	5	--
Dichloromethane	U	U	U	U	U	U	U	5	--
Bromodichloromethane	U	U	U	U	U	U	U	5	--
cis-1,3-Dichloropropane	U	U	U	U	U	U	U	5	300
4-Methyl-2-pentanone	U	U	U	U	U	U	U	5	1,000
Toluene	U	U	U	U	1 J	U	U	5	1,500
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	5	--
1,1,2-Trichloroethane	U	U	U	U	U	U	U	5	--

QUALIFIERS:
U: Compound analyzed for but not detected.
J: Compound found at a concentration below the detection limit.
D: Result taken from reanalysis at a secondary dilution
1: Plant 5 Site Specific Comparison values for VOCs were not developed. Therefore, comparison values provided in NYSDEC TAGM 4046, Appendix A have been utilized.
N/A: Not Available

TABLE 3-1 (continued)
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE LOCATION	North Structural Test Hangar Trenches						Former Pump Room	LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-1	NST-1	NST-2	NST-2	NST-3	NST-3	NST-4		
SAMPLE DEPTH (FT)	3-5	5-7	3-5	5-7	3-5	5-7	3-5		
DATE OF COLLECTION	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01		
% SOLIDS	97	93	97	100	99	99	93		
DILUTION FACTOR	1	1	1	1	1	1	1		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
1,3-Dichloropropane	U	U	U	U	U	U	U	5	300
Tetrachloroethene	U	U	U	U	U	U	U	5	1,400
2-Hexanone	U	U	U	U	U	U	U	5	--
Dibromochloromethane	U	U	U	U	U	U	U	5	N/A
1,2-Dibromoethane	U	U	U	U	U	U	U	5	--
Chlorobenzene	U	U	U	U	U	U	U	5	1,700
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	5	--
Ethylbenzene	U	U	U	U	U	U	U	5	5,500
Styrene	U	U	U	U	U	U	U	5	--
Xylene (total)	U	U	U	U	U	U	U	5	1,200
Bromoform	U	U	U	U	U	U	U	5	--
Isopropylbenzene	U	U	U	U	U	U	U	5	--
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	5	600
Bromobenzene	U	U	U	U	U	U	U	5	--
1,2,3-Trichloropropane	U	U	U	U	U	U	U	5	400
n-Propylbenzene	U	U	U	U	U	U	U	5	--
2-Chlorotoluene	U	U	U	U	U	U	U	5	--
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	5	--
4-Chlorotoluene	U	U	U	U	U	U	U	5	--
tert-Butylbenzene	U	U	U	U	U	U	U	5	--
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	5	--
sec-Butylbenzene	U	U	U	U	U	U	U	5	--
1,3-Dichlorobenzene	U	U	U	U	U	U	U	5	1,600
4-Isopropyltoluene	U	U	U	U	U	U	U	5	--
1,4-Dichlorobenzene	U	U	U	U	U	U	U	5	8,500
n-Butylbenzene	U	U	U	U	U	U	U	5	--
1,2-Dichlorobenzene	U	U	U	U	U	U	U	5	7,900
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	5	--
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	5	3,400
Hexachlorobutadiene	U	U	U	U	U	U	U	5	--
Naphthalene	U	U	U	U	3 J	U	U	5	--
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	5	--
Totals VOCs	3	10	3	0	14	5	10		10,000

QUALIFIERS:
U: Compound analyzed for but not detected.
J: Compound found at a concentration below the detection limit.
D: Result taken from reanalysis at a secondary dilution
1: Plant 5 Site Specific Comparison values for VOCs were not developed. Therefore, comparison values provided in NYSDEC TAGM 4046, Appendix A have been utilized.
N/A: Not Available

TABLE 3-1 (continued)
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE LOCATION	Former Pump Room	Former Hydraulic Pump Room				Former Storage Room/Tool Crib		LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-4	NST-5	NST-5	NST-6	NST-6	NST-7	NST-7		
SAMPLE DEPTH (FT)	3-5	2.5-4.5	4.5-6.5	2.5-4.5	4.5-6.5	0.5-2.5	2.5-4.5		
DATE OF COLLECTION	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01		
% SOLIDS	81	92	96	93	99	98	95		
DILUTION FACTOR	1	10	1	1	1	1	1		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Dichlorodifluoromethane	U	U	U	U	U	U	U	5	--
Chloromethane	U	U	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	U	U	U	5	200
Bromomethane	U	U	U	U	U	U	U	5	--
Chloroethane	U	U	U	U	U	U	U	5	--
Trichlorofluoromethane	U	U	U	U	U	U	U	5	1,900
1,1-Dichloromethane	U	U	U	U	U	U	U	5	--
Acetone	U	220 D	46	21	U	U	U	5	200
Iodomethane	U	U	U	U	U	U	U	5	--
Carbone Disulfide	U	1 J	U	U	U	U	U	5	2,700
Methylene Chloride	U	6	J	U	3 J	1 J	1 J	5	100
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	5	300
Methyl tert-butyl ether	U	U	U	U	U	U	U	5	--
1,1-Dichloroethane	U	U	U	U	U	U	U	5	200
Vinyl acetate	U	U	U	U	U	U	U	5	--
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	5	--
2,2-Dichloropropane	U	U	U	U	U	U	U	5	--
2-Butanone	U	120	22	4 J	U	U	U	5	300
Bromochloromethane	U	U	U	U	U	U	U	5	--
Chloroform	U	U	U	U	U	U	U	5	300
1,1,1-Trichloroethane	U	U	U	U	U	U	U	5	800
1,1-Dichloropropene	U	U	U	U	U	U	U	5	--
Carbon Tetrachloride	U	U	U	U	U	U	U	5	--
1,2-Dichloroethane	U	U	U	U	U	U	U	5	100
Benzene	U	U	U	U	U	U	U	5	60
Trichloroethene	U	U	U	U	U	U	U	5	800
1,2-Dichloropropane	U	U	U	U	U	U	U	5	--
Dichloromethane	U	U	U	U	U	U	U	5	--
Bromodichloromethane	U	U	U	U	U	U	U	5	--
cis-1,3-Dichloropropane	U	U	U	U	U	U	U	5	300
4-Methyl-2-pentanone	U	10	2 J	U	U	U	U	5	1,000
Toluene	U	U	U	U	U	U	U	5	1,500
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	5	--
1,1,2-Trichloroethane	U	U	U	U	U	U	U	5	--

QUALIFIERS:
U: Compound analyzed for but not detected.
J: Compound found at a concentration below the detection limit.
D: Result taken from reanalysis at a secondary dilution
1: Plant 5 Site Specific Comparison values for VOCs were not developed. Therefore, comparison values provided in NYSDEC TAGM 4046, Appendix A have been utilized.
N/A: Not Available
: Results exceed Plant 5 Site Specific Comparison Values

TABLE 3-1 (continued)
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS (VOCs)

SAMPLE LOCATION	Former Pump Room	Former Hydraulic Pump Room				Former Storage Room/Tool Crib		LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-4	NST-5	NST-5	NST-6	NST-6	NST-7	NST-7		
SAMPLE DEPTH (FT)	3-5	2.5-4.5	4.5-6.5	2.5-4.5	4.5-6.5	0.5-2.5	2.5-4.5		
DATE OF COLLECTION	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01		
% SOLIDS	81	92	96	93	99	98	95		
DILUTION FACTOR	1	10	1	1	1	1	1		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
1,3-Dichloropropane	U	U	U	U	U	U	U	5	300
Tetrachloroethene	U	U	U	U	U	U	U	5	1,400
2-Hexanone	U	27	7	U	U	U	U	5	--
Dibromochloromethane	U	U	U	U	U	U	U	5	N/A
1,2-Dibromoethane	U	U	U	U	U	U	U	5	--
Chlorobenzene	U	U	U	U	U	U	U	5	1,700
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	5	--
Ethylbenzene	U	U	U	U	U	U	U	5	5,500
Styrene	U	U	U	U	U	U	U	5	--
Xylene (total)	U	U	U	U	U	U	U	5	1,200
Bromoform	U	U	U	U	U	U	U	5	--
Isopropylbenzene	U	U	U	U	U	U	U	5	--
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	5	600
Bromobenzene	U	U	U	U	U	U	U	5	--
1,2,3-Trichloropropane	U	U	U	U	U	U	U	5	400
n-Propylbenzene	U	U	U	U	U	U	U	5	--
2-Chlorotoluene	U	U	U	U	U	U	U	5	--
1,3,5-Trimethylbenzene	U	U	U	U	U	U	U	5	--
4-Chlorotoluene	U	U	U	U	U	U	U	5	--
tert-Butylbenzene	U	U	U	U	U	U	U	5	--
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	5	--
sec-Butylbenzene	U	U	U	U	U	U	U	5	--
1,3-Dichlorobenzene	U	U	U	U	U	U	U	5	1,600
4-Isopropyltoluene	U	U	U	U	U	U	U	5	--
1,4-Dichlorobenzene	U	U	U	U	U	U	U	5	8,500
n-Butylbenzene	U	U	U	U	U	U	U	5	--
1,2-Dichlorobenzene	U	U	U	U	U	U	U	5	7,900
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	5	--
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	5	3,400
Hexachlorobutadiene	U	U	U	U	U	U	U	5	--
Naphthalene	U	U	U	U	U	U	U	5	--
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	5	--
Totals VOCs	0	384	77	25	3	1	1		10,000

QUALIFIERS:
U: Compound analyzed for but not detected.
J: Compound found at a concentration below the detection limit.
D: Result taken from reanalysis at a secondary dilution
1: Plant 5 Site Specific Comparison values for VOCs were not developed. Therefore, comparison values provided in NYSDEC TAGM 4046, Appendix A have been utilized.
N/A: Not Available

TABLE 3-2
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

SAMPLE LOCATION	North Structural Test Hangar Trenches						Former Pump Room	LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-1	NST-1	NST-2	NST-2	NST-3	NST-3	NST-4		
SAMPLE DEPTH (FT)	3-5	5-7	3-5	5-7	3-5	5-7	3-5		
DATE OF COLLECTION	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01		
% SOLIDS	97	93	97	100	99	99	93		
DILUTION FACTOR	1	1	10	1	50	50	1		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Phenols	U	U	U	U	U	U	U	330	--
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	330	--
2-Chlorophenol	U	U	U	U	U	U	U	330	--
1,3-Dichlorobenzene	U	U	U	U	U	U	U	330	--
1,4-Dichlorobenzene	U	U	U	U	U	U	U	330	--
1,2-Dichlorobenzene	U	U	U	U	U	U	U	330	--
2-Methylphenol	U	U	U	U	U	U	U	330	--
2,2'-oxybis (1-chloropropane)	U	U	U	U	U	U	U	330	--
4-Methylphenol	U	U	U	U	U	U	U	330	--
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	330	--
Hexachloroethane	U	U	U	U	U	U	U	330	--
Nitrobenzene	U	U	U	U	U	U	U	330	--
Isophorone	U	U	U	U	U	U	U	330	--
2-Nitrophenol	U	U	U	U	U	U	U	330	--
2,4-Dimethylphenol	U	U	U	U	U	U	U	330	--
2,4-Dichlorophenol	U	U	U	U	U	U	U	330	--
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	330	--
Naphthalene	U	U	U	U	U	U	U	330	--
4-Chloroaniline	U	U	U	U	U	U	U	330	--
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	330	--
Hexachlorobutadiene	U	U	U	U	U	U	U	330	--
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	330	--
2-Methylnaphthalene	U	U	U	U	U	U	U	330	--
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	330	--
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	330	--
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	660	--
2-Chloronaphthalene	U	U	U	U	U	U	U	330	--
2-Nitroaniline	U	U	U	U	U	U	U	660	--
Dimethylphthalate	U	U	U	U	U	U	U	330	--
Acenaphthylene	U	39 J	U	U	U	U	U	330	--
2,6-Dinitrotoluene	U	U	U	U	U	U	U	330	--
3-Nitroaniline	U	U	U	U	U	U	U	660	--
Acenaphthene	U	U	U	U	U	U	U	330	--

TABLE 3-2 (continued)
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

SAMPLE LOCATION	North Structural Test Hangar Trenches						Former Pump Room	LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-1	NST-1	NST-2	NST-2	NST-3	NST-3	NST-4		
SAMPLE DEPTH (FT)	3-5	5-7	3-5	5-7	3-5	5-7	3-5		
DATE OF COLLECTION	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01		
% SOLIDS	97	93	97	100	99	99	93		
DILUTION FACTOR	1	1	1	1	1	1	1		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
2,4-Dinitrophenol	U	U	U	U	U	U	U	660	--
4-Nitrophenol	U	U	U	U	U	U	U	660	--
Dibenzofuran	U	U	U	U	U	U	U	330	--
2,4-Dinitrotoluene	U	U	U	U	U	U	U	330	--
Diethylphthalate	U	U	U	U	U	U	U	330	--
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	330	--
Fluorene	U	U	U	U	U	U	U	330	--
4-Nitroaniline	U	U	U	U	U	U	U	660	--
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	660	--
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	330	--
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	330	--
Hexachlorobenzene	U	U	U	U	U	U	U	330	--
Pentachlorophenol	U	U	U	U	U	U	U	660	--
Phenanthrene	49 J	840	U	U	U	U	U	330	--
Anthracene	U	170 J	U	U	U	U	38 J	330	--
Carbazole	U	150 J	U	U	U	U	U	330	--
Di-n-butylphthalate	U	U	U	U	1,900 J	3,000 J	U	330	--
Fluoranthene	84 J	1,400	U	U	U	U	270 J	330	--
Pyrene	59 J	980	U	U	U	U	220 J	330	--
Butylbenzylphthalate	U	U	U	U	U	U	U	330	--
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	330	--
Benzo(a)anthracene	U	530	U	U	U	U	160 J	330	--
Chrysene	U	490	U	U	U	U	170 J	330	--
bis(2-Ethylhexyl)phthalate	U	U	U	U	7,600 J	10,000 J	U	330	--
Di-n-octylphthalate	U	U	U	U	U	U	U	330	--
Benzo(b)fluoranthene	35 J	520	U	U	U	U	270 J	330	--
Benzo(k)fluoranthene	U	200 J	U	U	U	U	81 J	330	--
Benzo(a)pyrene	U	400	U	U	U	U	180 J	330	--
Indeno(1,2,3-cd)pyrene	U	240 J	U	U	U	U	160 J	330	--
Dibenz(a,h)anthracene	U	67 J	U	U	U	U	U	330	--
Benzo(g,h,i)perylene	U	220 J	U	U	U	U	150 J	330	--
Total PAHs	227	5,990	0	0	0	0	1,699	--	100,000
Total CaPAHs	35	2,380	0	0	0	0	1,021	--	10,000
Total SVOCs	227	6,246	0	0	9,500	13,000	1,699	--	500,000

QUALIFIERS:
U: Compound analyzed for but not detected.
J: Compound found at a concentration below the detection limit.

NOTES:
-- : Not applicable.
1: Plant 5 Site Specific Comparison values as presented in the plant 5 Remediation Plan dated March 1999.

TABLE 3-2 (continued)
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

SAMPLE LOCATION	Former Pump Room	Former Hydraulic Pump Room				Former Storage Room/Tool Crib		LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-4	NST-5	NST-5	NST-6	NST-6	NST-7	NST-7		
SAMPLE DEPTH (FT)	3-5	2.5-4.5	4.5-6.5	2.5-4.5	4.5-6.5	0.5-2.5	2.5-4.5		
DATE OF COLLECTION	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01		
% SOLIDS	81	92	96	93	99	98	95		
DILUTION FACTOR	1	10	1	1	1	1	1		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Phenols	U	U	90 J	42 J	U	U	U	330	--
bis(2-Chloroethyl)ether	U	U	U	U	U	U	U	330	--
2-Chlorophenol	U	U	U	U	U	U	U	330	--
1,3-Dichlorobenzene	U	U	U	U	U	U	U	330	--
1,4-Dichlorobenzene	U	U	U	U	U	U	U	330	--
1,2-Dichlorobenzene	U	U	U	U	U	U	U	330	--
2-Methylphenol	U	U	U	U	U	U	U	330	--
2,2'-oxybis (1-chloropropane)	U	U	U	U	U	U	U	330	--
4-Methylphenol	U	780 J	350	76 J	U	U	U	330	--
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	330	--
Hexachloroethane	U	U	U	U	U	U	U	330	--
Nitrobenzene	U	U	U	U	U	U	U	330	--
Isophorone	U	U	U	U	U	U	U	330	--
2-Nitrophenol	U	U	U	U	U	U	U	330	--
2,4-Dimethylphenol	U	U	U	U	U	U	U	330	--
2,4-Dichlorophenol	U	U	U	U	U	U	U	330	--
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	330	--
Naphthalene	U	U	U	U	U	U	U	330	--
4-Chloroaniline	U	U	U	U	U	U	U	330	--
bis(2-Chloroethoxy)methane	U	U	U	U	U	U	U	330	--
Hexachlorobutadiene	U	U	U	U	U	U	U	330	--
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	330	--
2-Methylnaphthalene	U	U	U	U	U	U	U	330	--
Hexachlorocyclopentadiene	U	U	U	U	U	U	U	330	--
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	330	--
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	660	--
2-Chloronaphthalene	U	U	U	U	U	U	U	330	--
2-Nitroaniline	U	U	U	U	U	U	U	660	--
Dimethylphthalate	U	U	U	U	U	U	U	330	--
Acenaphthylene	U	U	U	U	U	U	U	330	--
2,6-Dinitrotoluene	U	U	U	U	U	U	U	330	--
3-Nitroaniline	U	U	U	U	U	U	U	660	--
Acenaphthene	U	U	U	U	U	U	U	330	--

TABLE 3-2 (continued)
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
SOIL SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

SAMPLE LOCATION	Former Pump Room	Former Hydraulic Pump Room				Former Storage Room/Tool Crib		LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-4	NST-5	NST-5	NST-6	NST-6	NST-7	NST-7		
SAMPLE DEPTH (FT)	3-5	2.5-4.5	4.5-6.5	2.5-4.5	4.5-6.5	0.5-2.5	2.5-4.5		
DATE OF COLLECTION	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01		
% SOLIDS	81	92	96	93	99	98	95		
DILUTION FACTOR	1	10	1	1	1	1	1		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
2,4-Dinitrophenol	U	U	U	U	U	U	U	660	--
4-Nitrophenol	U	U	U	U	U	U	U	660	--
Dibenzofuran	U	U	U	U	U	U	U	330	--
2,4-Dinitrotoluene	U	U	U	U	U	U	U	330	--
Diethylphthalate	U	U	U	U	U	U	U	330	--
4-Chlorophenyl-phenylether	U	U	U	U	U	U	U	330	--
Fluorene	U	U	U	U	U	U	U	330	--
4-Nitroaniline	U	U	U	U	U	U	U	660	--
4,6-Dinitro-2-methylphenol	U	U	U	U	U	U	U	660	--
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	330	--
4-Bromophenyl-phenylether	U	U	U	U	U	U	U	330	--
Hexachlorobenzene	U	U	U	U	U	U	U	330	--
Pentachlorophenol	U	U	U	U	U	U	U	660	--
Phenanthrene	U	U	U	U	U	U	350	330	--
Anthracene	U	U	U	U	U	U	70 J	330	--
Carbazole	U	U	U	U	U	U	40 J	330	--
Di-n-butylphthalate	U	690 J	70 J	U	U	U	U	330	--
Fluoranthene	U	U	U	U	U	U	450	330	--
Pyrene	U	U	U	U	U	U	310 J	330	--
Butylbenzylphthalate	U	U	U	U	U	U	U	330	--
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	330	--
Benzo(a)anthracene	U	U	U	U	U	U	170 J	330	--
Chrysene	U	U	U	U	U	U	190 J	330	--
bis(2-Ethylhexyl)phthalate	U	800 J	100 J	U	U	U	U	330	--
Di-n-octylphthalate	U	U	U	U	U	U	U	330	--
Benzo(b)fluoranthene	U	U	U	U	U	U	210 J	330	--
Benzo(k)fluoranthene	U	U	U	U	U	U	72 J	330	--
Benzo(a)pyrene	U	U	U	U	U	U	120 J	330	--
Indeno(1,2,3-cd)pyrene	U	U	U	U	U	U	99 J	330	--
Dibenz(a,h)anthracene	U	U	U	U	U	U	U	330	--
Benzo(g,h,i)perylene	U	U	U	U	U	U	91 J	330	--
Total PAHs	0	0	0	0	0	0.00	2,132	--	100,000
Total CaPAHs	0	0	0	0	0	0.00	861	--	10,000
Total SVOCs	0	2,270	610	118	0	0.00	2,172	--	500,000

QUALIFIERS:
U: Compound analyzed for but not detected.
J: Compound found at a concentration below the detection limit.

NOTES:
-- : Not applicable.
1: Plant 5 Site Specific Comparison values as presented in the plant 5 Remediation Plan dated March 1999.

TABLE 3-3
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
SOIL SAMPLING RESULTS
RCRA METALS

SAMPLE LOCATION	North Structural Test Hangar Trenches												Former Pump Room		LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-1		NST-1		NST-2		NST-2		NST-3		NST-3		NST-4			
SAMPLE DEPTH (FT)	3-5		5-7		3-5		5-7		3-5		5-7		3-5			
DATE OF COLLECTION	9/4/01		9/4/01		9/4/01		9/4/01		9/4/01		9/4/01		9/4/01			
% SOLIDS	97		93		97		100		99		99		93			
DILUTION FACTOR	1		1		10		1		50		50		1			
UNITS	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(ug/kg)	(ug/kg)
Arsenic	2.5		2.1		2.1		0.79	B	1.2		0.72	B	0.47	B	2.0	20
Barium	8.8	B	8.5	B	10.3		4.1	B	9.6		3	B	28.4		1.0	5,500
Cadmium	0.023	B	0.053	B	0.050	B		U	0.41		0.36		0.14	B	0.4	78
Chromium	4.1		5.8		5.8		3.4		3.6		2.3		9.6		0.5	390
Lead	1.8		12.8		3.4		0.96		2.0		1.4		3.5		2.0	390
Mercury		U		U		U		U		U		U		U	0.1	23
Selenium		U		U		U		U		U		U		U	6.0	400
Silver		U		U		U		U		U		U	0.18	B	1.0	390

SAMPLE LOCATION	Former Pump Room	Former Hydraulic Pump Room						Former Storage Room/Tool Crib				LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-4	NST-5		NST-5		NST-6		NST-6		NST-7		NST-7			
SAMPLE DEPTH (FT)	3-5	2.5-4.5		4.5-6.5		2.5-4.5		4.5-6.5		0.5-2.5		2.5-4.5			
DATE OF COLLECTION	9/4/01	9/4/01		9/4/01		9/4/01		9/4/01		9/4/01		9/4/01			
% SOLIDS	81	92		96		93		99		98		95			
DILUTION FACTOR	1	10		1		1		1		1		1			
UNITS	(mg/kg)	(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(ug/kg)	(ug/kg)
Arsenic	1.8	3.3		1.7		3.3		1.4		1.7		1.5		2.0	20
Barium	5.6	B	26.8		12.5		17		6.3	B	10.4		10.6		1.0	5,500
Cadmium		U	0.14	B	0.066	B	0.12	B	0.031	B	0.072	B	0.12	B	0.4	78
Chromium	2.7	12.7		11.3		7.4		7.6		3.9		5.9		0.5	390
Lead	1.3	4.6		3.4		3.4		1.4		4.1		2.2		2.0	390
Mercury		U		U		U		U		U		U		U	0.1	23
Selenium		U		U		U		U		U		U		U	6.0	400
Silver		U		U		U		U		U		U		U	1.0	390

QUALIFIERS:
U: Constituent analyzed for but not detected.
B: Constituent concentration is less than the CRDL, but greater than the IDL.
J*: Estimated value based on validation criteria.
1: Plant 5 Site Specific Comparison values for soil as presented in the Plant 5 Remediation Plan dated March 1999

TABLE 3-4
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
SOIL SAMPLING RESULTS
POLYCHLORINATED BIPHENLYS (PCBs)

SAMPLE LOCATION	North Structural Test Hangar Trenches						Former Pump Room	LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-1	NST-1	NST-2	NST-2	NST-3	NST-3	NST-4		
SAMPLE DEPTH (FT)	3-5	5-7	3-5	5-7	3-5	5-7	3-5		
DATE OF COLLECTION	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01		
% SOLIDS	95	93	97	100	99	99	93		
DILUTION FACTOR	1	1	1	1	1	1	1		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Aroclor- 1016	U	U	U	U	U	U	U	33	--
Aroclor- 1221	U	U	U	U	U	U	U	33	--
Aroclor- 1232	U	U	U	U	U	U	U	33	--
Aroclor- 1242	U	U	U	U	U	U	U	33	--
Aroclor- 1248	U	U	U	U	U	U	U	33	--
Aroclor- 1254	U	U	U	U	U	34	U	33	--
Aroclor- 1260	U	U	U	U	U	U	U	33	--
Total PCBs:	0	0	0	0	0	34	0	--	10000

SAMPLE LOCATION	Former Pump Room	Former Hydraulic Pump Room				Former Storage Room/Tool Crib		LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-4	NST-5	NST-5	NST-6	NST-6	NST-7	NST-7		
SAMPLE DEPTH (FT)	5-7	2.5-4.5	4.5-6.5	2.5-4.5	4.5-6.5	0.5-2.5	2.5-4.5		
DATE OF COLLECTION	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01	9/4/01		
% SOLIDS	81	92	96	93	99	98	95		
DILUTION FACTOR	1	1	1	1	1	1	1		
UNITS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Aroclor- 1016	U	U	U	U	U	U	U	33	--
Aroclor- 1221	U	U	U	U	U	U	U	33	--
Aroclor- 1232	U	U	U	U	U	U	U	33	--
Aroclor- 1242	U	U	U	U	U	U	U	33	--
Aroclor- 1248	U	U	U	U	U	U	U	33	--
Aroclor- 1254	U	U	U	U	U	U	U	33	--
Aroclor- 1260	U	U	U	U	U	U	U	33	--
Total PCBs:	0	0	0	0	0	0	0	--	10000

QUALIFIERS:
Blank Space indcates Compound analyzed for but not detected.
1: Plant 5 Site Specific Comparison values for PCBs were not developed. Therefore, comparison values provided in NYSDEC TAGM 4046, Appendix A have been utilized.

3.1 North Structural Test Hangar Trenches (Room 29)

At the North Structural Test Hangar Trenches (Room 29), a total of six soil samples were collected at three soil boring locations during the Phase II Site Assessment program. Soil samples were analyzed as described in Section 2. The analytical results are presented on Tables 3-1 through 3-4 and are summarized as follows:

- Volatile Organic Compounds
  - None of the soil samples collected during the Phase II Program contained VOCs at concentrations that exceeded the comparison values provided in Appendix A of the NYSDEC TAGM 4046.
- Semivolatile Organic Compounds
  - None of the soil samples collected during the Phase II Program contained SVOCs at concentrations that exceeded the Site-Specific Cleanup Criteria for *total* PAHs of 100,000 ug/kg and *total* CaPAHs of 10,000 ug/kg.
- RCRA Metals
  - None of the soil samples collected during the Phase II Program contained RCRA metals at concentrations that exceeded the Site-Specific Cleanup Criteria.
- Polychlorinated Biphenyls (PCBs)
  - None of the soil samples collected during the Phase II Program contained PCBs at concentrations that exceeded the NYSDEC TAGM 4046 Criteria for *total* PCBs of 10,000 ug/kg.

3.2 Former Pump Room (Room 15)

At the Former Pump Room (Room 15), a total of two soil samples were collected at one soil boring location during the Phase II Site Assessment Program. Soil samples were analyzed as described in Section 2. The analytical results are presented on Tables 3-1 through 3-4 and are summarized as follows:

- Volatile Organic Compounds

  - None of the soil samples collected during the Phase II Program contained VOCs at concentrations that exceeded the comparison values provided in Appendix A of the NYSDEC TAGM 4046.

- Semivolatile Organic Compounds

  - None of the soil samples collected during the Phase II Program contained SVOCs at concentrations that exceeded the Site-Specific Cleanup Criteria for *total* PAHs of 100,000 ug/kg and *total* CaPAHs of 10,000 ug/kg.

- RCRA Metals

  - None of the soil samples collected during the Phase II Program contained RCRA metals at concentrations that exceeded the Site-Specific Cleanup Criteria.

- Polychlorinated Biphenyls (PCBs)

  - None of the soil samples collected during the Phase II Program contained PCBs at concentrations that exceeded the NYSDEC TAGM 4046 Site-Specific Cleanup Criteria for *total* PCBs of 10,000 ug/kg.

3.3 Former Hydraulic Pump Room (Room 18)

At the Former Hydraulic Pump Room (Room 18), a total of four soil samples were collected at two soil boring locations during the Phase II Site Assessment Program. Soil samples were analyzed as described in Section 2. The analytical results are presented on Tables 3-1 through 3-4 and are summarized as follows:

- Volatile Organic Compounds

  - Soil sample NST-5 (2.5 - 4.5) exhibited an acetone concentration of 220 ug/kg which exceeded the comparison value provided in Appendix A of the NYSDEC TAGM 4046 of 200 ug/kg. However, it should be stated that acetone is a common laboratory contaminant. Given the fact that acetone was not detected at concentrations in excess of the NYSDEC TAGM criterion at other areas of the North Structural Test Hangar, acetone is not considered to be a constituent of concern at the site.

- Semivolatile Organic Compounds

  - None of the soil samples collected during the Phase II Program contained SVOCs at concentrations that exceeded the Site-Specific Cleanup Criteria for *total* PAHs of 100,000 ug/kg and *total* CaPAHs of 10,000 ug/kg.

- RCRA Metals

  - None of the soil samples collected during the Phase II Program contained RCRA metals at concentrations that exceeded the Site-Specific Cleanup Criteria.

- Polychlorinated Biphenyls (PCBs)

  - None of the soil samples collected during the Phase II Program contained PCBs at concentrations that exceeded the NYSDEC TAGM 4046 Site-Specific Cleanup Criteria for *total* PCBs of 10,000 ug/kg.

3.4 Former Storage Room/Tool Crib (Room 19)

At the Former Storage Room/Tool Crib (Room 19), a total of two soil samples were collected at one soil boring location during the Phase II Site Assessment Program. Soil samples were analyzed as described in Section 2. The analytical results are presented on Tables 3-1 through 3-4 and are summarized as follows:

- Volatile Organic Compounds

  - None of the soil samples collected during the Phase II Program contained VOCs at concentrations that exceeded the comparison values provided in Appendix A of the NYSDEC TAGM 4046.

- Semivolatile Organic Compounds

  - None of the soil samples collected during the Phase II Program contained SVOCs at concentrations that exceeded the Site-Specific Cleanup Criteria for *total* PAHs of 100,000 ug/kg and *total* CaPAHs of 10,000 ug/kg.

- RCRA Metals

  - None of the soil samples collected during the Phase II Program contained RCRA metals at concentrations that exceeded the Site-Specific Cleanup Criteria.

- Polychlorinated Biphenyls (PCBs)
  - None of the soil samples collected during the Phase II Program contained PCBs at concentrations that exceeded the NYSDEC TAGM 4046 Site-Specific Cleanup Criteria for *total* PCBs of 10,000 ug/kg.

3.5 Former Hydraulic Storage Room (Room 25)

At the Former Hydraulic Storage Room (Room 25) one concrete core was collected during the Phase II Site Assessment Program. The concrete core was analyzed as described in Section 2. The analytical results are presented on Tables 3-5 through 3-7 and are summarized as follows:

- Semivolatile Organic Compounds
  - The concrete core sample collected during the Phase II Program did not contain SVOCs at concentrations that exceeded the Site-Specific Cleanup Criteria for *total* PAHs of 100,000 ug/kg and *total* CaPAHs of 10,000 ug/kg.
- RCRA Metals
  - The concrete core sample collected during the Phase II Program exhibited chromium at a concentration of 15,100 mg/kg which exceeded the Site-Specific Cleanup Criteria of 390 mg/kg.
- Polychlorinated Biphenyls (PCBs)
  - The concrete core sample collected during the Phase II Program did not contain PCBs at concentrations that exceeded the NYSDEC TAGM 4046 Site-Specific Cleanup Criteria for *total* PCBs of 10,000 ug/kg.

TABLE 3-5
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
CONCRETE SAMPLING RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

SAMPLE LOCATION	Former Hydraulic Storage Room		LABORATORY QUANTITATION LIMITS	PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)
SAMPLE ID	NST-8			
SAMPLE DEPTH (FT)	0.5			
DATE OF COLLECTION	9/4/01			
% SOLIDS	97			
DILUTION FACTOR	2.5			
UNITS	(ug/kg)		(ug/kg)	(ug/kg)
Phenols		U	330	--
bis(2-Chloroethyl)ether		U	330	--
2-Chlorophenol		U	330	--
1,3-Dichlorobenzene		U	330	--
1,4-Dichlorobenzene		U	330	--
1,2-Dichlorobenzene		U	330	--
2-Methylphenol		U	330	--
2,2'-oxybis (1-chloropropane)		U	330	--
4-Methylphenol		U	330	--
N-Nitroso-di-n-propylamine		U	330	--
Hexachloroethane		U	330	--
Nitrobenzene		U	330	--
Isophorone		U	330	--
2-Nitrophenol		U	330	--
2,4-Dimethylphenol		U	330	--
2,4-Dichlorophenol		U	330	--
1,2,4-Trichlorobenzene		U	330	--
Naphthalene		U	330	--
4-Chloroaniline		U	330	--
bis(2-Chloroethoxy)methane		U	330	--
Hexachlorobutadiene		U	330	--
4-Chloro-3-methylphenol		U	330	--
2-Methylnaphthalene		U	330	--
Hexachlorocyclopentadiene		U	330	--
2,4,6-Trichlorophenol		U	330	--
2,4,5-Trichlorophenol		U	660	--
2-Chloronaphthalene		U	330	--
2-Nitroaniline		U	660	--
Dimethylphthalate		U	330	--
Acenaphthylene		U	330	--
2,6-Dinitrotoluene		U	330	--
3-Nitroaniline		U	660	--
Acenaphthene		U	330	--
2,4-Dinitrophenol		U	660	--
4-Nitrophenol		U	660	--
Dibenzofuran	140	J	330	--
2,4-Dinitrotoluene		U	330	--
Diethylphthalate	330	J	330	--
4-Chlorophenyl-phenylether		U	330	--
Fluorene		U	330	--
4-Nitroaniline		U	660	--
4,6-Dinitro-2-methylphenol		U	660	--
N-Nitrosodiphenylamine		U	330	--
4-Bromophenyl-phenylether		U	330	--
Hexachlorobenzene		U	330	--
Pentachlorophenol		U	660	--
Phenanthrene	910		330	--
Anthracene		U	330	--
Carbazole		U	330	--
Di-n-butylphthalate	150	J	330	--
Fluoranthene	470	J	330	--
Pyrene	280	J	330	--
Butylbenzylphthalate		U	330	--
3,3'-Dichlorobenzidine		U	330	--
Benzo(a)anthracene		U	330	--
Chrysene		U	330	--
bis(2-Ethylhexyl)phthalate		U	330	--
Di-n-octylphthalate		U	330	--
Benzo(b)fluoranthene		U	330	--
Benzo(k)fluoranthene		U	330	--
Benzo(a)pyrene		U	330	--
Indeno(1,2,3-cd)pyrene		U	330	--
Dibenz(a,h)anthracene		U	330	--
Benzo(g,h,i)perylene		U	330	--
Total PAHs	1,660		--	100,000
Total CaPAHs	0		--	10,000
Total SVOCs	2,280		--	500,000

QUALIFIERS:
U: Compound analyzed for but not detected.
J. Compound found at a concentration below the detection limit.

NOTES:
-- : Not applicable.
1: Plant 5 Site Specific Comparison values as presented in the plant 5 Remediation Plan dated March 1999.

TABLE 3-6
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
CONCRETE SAMPLING RESULTS
RCRA METALS

SAMPLE LOCATION	Former Hydraulic Storage Room		**INSTRUMENT DETECTION LIMITS**	**PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)**
SAMPLE ID	**NST-8**			
SAMPLE DEPTH (FT)	**0.5**			
DATE OF COLLECTION	9/4/01			
% SOLIDS	97			
DILUTION FACTOR	1			
UNITS	(mg/kg)		(ug/kg)	(ug/kg)
Arsenic		U	2.1	20
Barium	47.7		1.0	5,500
Cadmium	23.2		0.4	78
Chromium	15,100		0.5	390
Lead	4.1		2.0	390
Mercury	0.19		0.1	23
Selenium		U	6.0	400
Silver	0 35	B	1.0	390

QUALIFIERS:
U: Constituent analyzed for but not detected.
B: Constituent concentration is less than the CRDL, but greater than the IDL.
J*: Estimated value based on validation criteria.
1: Plant 5 Site Specific Comparison values for soil as presented in the Plant 5 Remediation Plan dated March 1999
[ ]: Results exceed Plant 5 Site Specific Comparison Values

TABLE 3-7
NORTHROP GRUMMAN CORPORATION
NORTH STRUCTURAL TEST HANGAR PHASE II
CONCRETE SAMPLING RESULTS
POLYCHLORINATED BIPHENLYS (PCBs)

SAMPLE LOCATION	Former Hydraulic Storage Room		**LABORATORY QUANTITATION LIMITS**	**PLANT 5 SITE SPECIFIC COMPARISON VALUES (1)**
SAMPLE ID	**NST-8**			
SAMPLE DEPTH (FT)	**0.5**			
DATE OF COLLECTION	9/4/01			
% SOLIDS	97			
DILUTION FACTOR	1			
UNITS	(ug/kg)		(ug/kg)	(ug/kg)
Aroclor- 1016		U	34	--
Aroclor- 1221		U	34	--
Aroclor- 1232		U	34	--
Aroclor- 1242		U	34	--
Aroclor- 1248		U	34	--
Aroclor- 1254		U	34	--
Aroclor- 1260		U	34	--
Total PCBs:	0			10,000

QUALIFIERS:
U: Compound analyzed for but not detected.

1: Plant 5 Site Specific Comparison values for PCBs were not developed. Therefore, comparison values provided in NYSDEC TAGM 4046, Appendix A have been utilized.

Section 4

4.0 CONCLUSIONS AND RECOMMENDATIONS

This section presents the conclusions and recommendations of the Phase II Site Assessment for the North Structural Test Hangar/Plant 5 site based on the findings presented in Section 3.0.

North Structural Test Hangar Trenches (Room 29)

As discussed in Section 3.0, the soil samples collected during this investigation did not exhibit any exceedances for VOCs, SVOCs, RCRA metals, or PCBs. Therefore, no further investigation and/or remediation at the North Structural Test Hangar Trenches (Room 29) is warranted at this time.

Former Pump Room (Room 15)

As discussed in Section 3.0, the soil samples collected during this investigation did not exhibit any exceedances for SVOCs, RCRA metals, or PCBs. However, acetone was detected at a concentration of 220 ug/kg at soil sample NST-5 (2.5 - 4.5) which exceeded the NYSDEC TAGM criterion of 200 ug/kg. As previously stated, acetone is a common laboratory contaminant and was not detected at concentrations in excess of the NYSDEC TAGM criterion at other areas of the North Structural Test Hangar. As a result, acetone is not considered to be a constituent of concern at the site. Therefore, no further investigation and/or remediation at the Former Pump Room (Room 15) is warranted at this time.

Former Hydraulic Pump Room (Room 18)

As discussed in Section 3.0, the soil samples collected during this investigation did not exhibit any exceedances for VOCs, SVOCs, RCRA metals, or PCBs. Therefore, no further investigation and/or remediation at the Former Hydraulic Pump Room (Room 18) is warranted at this time.

Former Storage Room/Tool Crib (Room 19)

As discussed in Section 3.0, the soil samples collected during this investigation did not exhibit any exceedances for VOCs, SVOCs, RCRA metals, or PCBs. Therefore, no further investigation and/or remediation at the Former Storage Room/Tool Crib (Room 19) is warranted at this time.

Former Hydraulic Storage Room (Room 25)

As discussed in Section 3.0, the concrete core sample collected during this investigation exhibited a chromium concentration of 15,100 mg/kg which exceeded the Plant 5 site specific comparison value of 390 mg/kg. As a result, it is recommended to demolish and excavate the entire concrete floor located in the Former Hydraulic Storage Room (Room 25) for proper off-site transportation and disposal. After concrete excavation, the concrete floor should be restored to match existing conditions.

Appendix A

APPENDIX A

SOIL BORING LOGS

Dvirka and Bartilucci
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Project No.: 1572 **Boring No.:** NST-1
Project Location: Bethpage, NY **Sheet** 1 **of** 1
Project Name: Plant 5 - N. Struct. Test Hngrs - Phase II Site Assessment **By:** MR

Drilling Contractor: Clearwater
Driller: B Vigliotta
Drill Rig: Earthprobe
Date Started: September 4, 2001

Geologist: M. Rauber
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: September 4, 2001

Boring Completion Depth: 4 ft.
Ground Surface Elevation: -- ft.
Boring Diameter: 2 in.

Depth (ft.)	Soil Sample: Sample No.	Sample Type	Blows (Per 6")	Rec. (inches)	PID (ppm)	Lithology Description
0-2	1	GP	--	13	0.0	0-13": Orange/brown coarse GRAVEL with some SAND, moist, no odors
2-4	2	GP	--	12	0.0	0-12": Tan/brown coarse GRAVEL with slight staining, some SILT, moist, no odors

Sample Type:
SS = Split Spoon HA = Hand Auger GP = Geoprobe
CC = Concrete Core HP = Hydropunch

Notes: Boring conducted in approx. 29" deep trench approx. 6" thick concrete at bottom of trench

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Project No.: 1572 **Boring No.:** NST-2
Project Location: Bethpage, NY **Sheet** 1 **of** 1
Project Name: Plant 5 - N. Struct. Test Hngrs - Phase II Site Assessment **By:** MR

Drilling Contractor: Clearwater
Driller: B Vigliotta
Drill Rig: Earthprobe
Date Started: September 4, 2001

Geologist: M. Rauber
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: September 4, 2001

Boring Completion Depth: 4 ft.
Ground Surface Elevation: -- ft.
Boring Diameter: 2 in.

Depth (ft.)	Soil Sample No.	Soil Sample Type	Blows (Per 6")	Rec. (inches)	PID (ppm)	Lithology Description
0-2	1	GP	--	24	0.0	0-24": Brown SAND with SILT and GRAVEL, moist, no odors
2-4	2	GP	--	24	0.0	0-24": Orange/brown GRAVEL with some coarse SAND, dry, no odors

Sample Type:
SS = Split Spoon HA = Hand Auger GP = Geoprobe
CC = Concrete Core HP = Hydropunch

Notes: Boring conducted in approx. 29" deep trench approx. 6" thick concrete at bottom of trench

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Project No.: 1572 **Boring No.:** NST-3
Project Location: Bethpage, NY **Sheet** 1 **of** 1
Project Name: Plant 5 - N. Struct. Test Hngrs - Phase II Site Assessment **By:** MR

Drilling Contractor: Clearwater
Driller: B Vigliotta
Drill Rig: Earthprobe
Date Started: September 4, 2001

Geologist: M. Rauber
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: September 4, 2001

Boring Completion Depth: 4 ft.
Ground Surface Elevation: -- ft.
Boring Diameter: 2 in.

Depth (ft.)	Soil Sample No.	Soil Sample Type	Blows (Per 6")	Rec. (inches)	PID (ppm)	Lithology Description
0-2	1	GP	--	18	0.0	0-18": Brown/tan fine to medium SAND with coarse GRAVEL, slight dark staining, no odors
2-4	2	GP	--	20	0.0	0-20": Light brown/orange coarse SAND and GRAVEL, slightly moist, no odors

Sample Type:
SS = Split Spoon HA = Hand Auger GP = Geoprobe
CC = Concrete Core HP = Hydropunch

Notes: Boring conducted in approx. 29" deep trench approx. 6" thick concrete at bottom of trench

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Project No.: 1572 **Boring No.:** NST-4
Project Location: Bethpage, NY **Sheet** 1 **of** 1
Project Name: Plant 5 - N. Struct. Test Hngrs - Phase II Site Assessment **By:** MR

Drilling Contractor: Clearwater
Driller: B Vigliotta
Drill Rig: Earthprobe
Date Started: September 4, 2001

Geologist: M. Rauber
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: September 4, 2001

Boring Completion Depth: 4 ft.
Ground Surface Elevation: -- ft.
Boring Diameter: 2 in.

Depth (ft.)	Soil Sample No.	Soil Sample Type	Blows (Per 6")	Rec. (inches)	PID (ppm)	Lithology Description
0-2	1	GP	--	12	0.0	0-12": Very light brown fine SAND and coarse GRAVEL, very dry, no odors
2-4	2	GP	--	24	0.0	0-24": Very light brown fine SAND and coarse GRAVEL, very dry, no odors

Sample Type:
SS = Split Spoon HA = Hand Auger GP = Geoprobe
CC = Concrete Core HP = Hydropunch

Notes: Boring conducted in approx. 29" deep trench approx. 6" thick concrete at bottom of trench

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Project No.: 1572 **Boring No.:** NST-5
Project Location: Bethpage, NY **Sheet** 1 **of** 1
Project Name: Plant 5 - N. Struct. Test Hngrs - Phase II Site Assessment **By:** MR

Drilling Contractor: Clearwater
Driller: B Vigliotta
Drill Rig: Earthprobe
Date Started: September 4, 2001

Geologist: M. Rauber
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: September 4, 2001

Boring Completion Depth: 4 ft.
Ground Surface Elevation: -- ft.
Boring Diameter: 2 in.

Depth (ft.)	Soil Sample		Blows (Per 6")	Rec. (inches)	PID (ppm)	Lithology Description
	Sample No.	Type				
0-2	1	GP	--	8	40.0	0-8": Dark brown/tan fine to medium SAND, trace to little GRAVEL, slightly moist, slight solvent/sweet odor like turpentine
2-4	2	GP	--	6	55.0	0-6": Light brown/tan coarse SAND and GRAVEL, slightly moist, slight solvent/sweet odor like turpentine

Sample Type:
SS = Split Spoon HA = Hand Auger GP = Geoprobe
CC = Concrete Core HP = Hydropunch

Notes: Boring conducted in approx. 23" deep trench approx. 6" thick concrete at bottom of trench

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Project No.: 1572 **Boring No.:** NST-6
Project Location: Bethpage, NY **Sheet** 1 **of** 1
Project Name: Plant 5 - N. Struct. Test Hngrs - Phase II Site Assessment **By:** MR

Drilling Contractor: Clearwater
Driller: B Vigliotta
Drill Rig: Earthprobe
Date Started: September 4, 2001

Geologist: M. Rauber
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: September 4, 2001

Boring Completion Depth: 4 ft.
Ground Surface Elevation: -- ft.
Boring Diameter: 2 in.

Depth (ft.)	Soil Sample No.	Soil Sample Type	Blows (Per 6")	Rec. (inches)	PID (ppm)	Lithology Description
0-2	1	GP	--	8	0.0	0-8": Brown/tan fine to medium SAND with subrounded quartz GRAVEL, slightly moist, no odors
2-4	2	GP	--	15	0.0	0-15": Light brown fine to medium SAND and GRAVEL, dry, no odors

Sample Type:
SS = Split Spoon HA = Hand Auger GP = Geoprobe
CC = Concrete Core HP = Hydropunch

Notes: Boring conducted in approx. 23" deep trench approx. 6" thick concrete at bottom of trench

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Project No.: 1572 **Boring No.:** NST-7
Project Location: Bethpage, NY **Sheet** 1 **of** 1
Project Name: Plant 5 - N. Struct. Test Hngrs - Phase II Site Assessment **By:** MR

Drilling Contractor: Clearwater
Driller: B Vigliotta
Drill Rig: Earthprobe
Date Started: September 4, 2001

Geologist: M. Rauber
Drilling Method: Geoprobe
Drive Hammer Weight: N/A
Date Completed: September 4, 2001

Boring Completion Depth: 4 ft.
Ground Surface Elevation: -- ft.
Boring Diameter: 2 in.

Depth (ft.)	Soil Sample: Sample No.	Soil Sample: Type	Blows (Per 6")	Rec. (inches)	PID (ppm)	Lithology Description
0-2	1	GP	--	17	0.0	0-17": Light brown/tan/orange fine to coarse SAND and GRAVEL, dry, no odors
2-4	2	GP	--	16	0.0	0-16": Brown/tan SAND and GRAVEL with some brown SILTY material at top of sample interval, no odors

Sample Type:
SS = Split Spoon HA = Hand Auger GP = Geoprobe
CC = Concrete Core HP = Hydropunch

Notes: Boring conducted at grade
approx. 6" thick concrete at grade

Appendix B

APPENDIX B

LABORATORY DATA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-1(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905001

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4234

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 3 Date Analyzed: 09/12/01

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	3	J
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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	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.

NST-1(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905001

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4234

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 3 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-1(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905001

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4234

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 3 Date Analyzed: 09/12/01

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

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

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

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

1.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-1(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905002

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V2E4235

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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	2	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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-1(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905002

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V2E4235

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

NST-1(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905002

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V2E4235

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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.					
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FORM I VOA-TIC

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-2(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4264

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 3 Date Analyzed: 09/12/01

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	3	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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-2(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4264

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 3 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-2(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4264

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 3 Date Analyzed: 09/12/01

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

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

Number TICs found: 28

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	13.73	17	J
2.		UNKNOWN	13.90	17	J
3.		UNKNOWN	14.01	22	J
4.		UNKNOWN	14.12	11	J
5.		UNKNOWN	14.23	47	J
6.		UNKNOWN	14.35	25	J
7.		UNKNOWN	14.43	11	J
8.		UNKNOWN	14.48	35	J
9.		UNKNOWN	14.66	37	J
10.		UNKNOWN	14.72	34	J
11.		UNKNOWN	14.77	210	J
12.		UNKNOWN	14.90	54	J
13.		UNKNOWN	14.95	87	J
14.		UNKNOWN	15.00	77	J
15.		UNKNOWN	15.07	66	J
16.		UNKNOWN	15.14	81	J
17.		UNKNOWN	15.20	120	J
18.		UNKNOWN	15.30	56	J
19.		UNKNOWN	15.49	140	J
20.		UNKNOWN	15.65	240	J
21.		UNKNOWN	15.86	400	J
22.		UNKNOWN	16.00	340	J
23.		UNKNOWN	16.08	130	J
24.		UNKNOWN	16.26	150	J
25.		UNKNOWN	16.34	160	J
26.		UNKNOWN	16.81	380	J
27.		UNKNOWN	16.98	54	J
28.		UNKNOWN	17.94	6	J
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-2(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905004

Sample wt/vol: 5.3 (g/mL) G Lab File ID: V2E4204

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 0 Date Analyzed: 09/11/01

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

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

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

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-2(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905004

Sample wt/vol: 5.3 (g/mL) G Lab File ID: V2E4204

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 0 Date Analyzed: 09/11/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

NST-2(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905004

Sample wt/vol: 5.3 (g/mL) G Lab File ID: V2E4204

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 0 Date Analyzed: 09/11/01

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

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

Number TICs found: 0

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

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905005

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4265

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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	2	J
75-09-2	Methylene Chloride	8	
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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905005

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4265

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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	3	J
87-61-6	1,2,3-Trichlorobenzene	5	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

NST-3(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905005

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4265

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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	1.52	78	J
2.		UNKNOWN	13.21	44	J
3.		UNKNOWN	13.41	31	J
4.		UNKNOWN	13.59	33	J
5.		UNKNOWN	13.89	52	J
6.		UNKNOWN	14.10	78	J
7.		UNKNOWN	14.19	33	J
8.	702-79-4	ADAMANTANE, 1,3-DIMETHYL-	14.25	51	NJ
9.		UNKNOWN	14.34	54	J
10.		UNKNOWN	14.42	38	J
11.		UNKNOWN	14.52	60	J
12.		UNKNOWN	14.65	60	J
13.		UNKNOWN	14.78	150	J
14.		UNKNOWN	14.89	34	J
15.		UNKNOWN	14.95	120	J
16.	3604-14-6	NAPHTHALENE, DECAHYDRO-1,2-D	15.07	41	NJ
17.		UNKNOWN	15.20	36	J
18.		UNKNOWN	15.34	90	J
19.		UNKNOWN	15.45	38	J
20.		UNKNOWN	15.49	100	J
21.		UNKNOWN	15.54	78	J
22.		UNKNOWN	15.85	88	J
23.		UNKNOWN	16.01	77	J
24.		UNKNOWN	16.07	47	J
25.		UNKNOWN	16.26	60	J
26.		UNKNOWN	16.81	87	J
27.		UNKNOWN	17.09	56	J
28.	0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	17.65	34	NJ
29.		UNKNOWN	18.01	27	J
30.	128-37-0	BUTYLATED HYDROXYTOLUENE	18.33	40	NJ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4271

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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	1	J
75-09-2	Methylene Chloride	4	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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4271

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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.

NST-3(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4271

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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	13.39	21	J
2.		UNKNOWN	13.59	12	J
3.		UNKNOWN	13.73	28	J
4.		UNKNOWN	13.89	25	J
5.		UNKNOWN	14.10	42	J
6.		UNKNOWN	14.26	71	J
7.		UNKNOWN	14.34	27	J
8.		UNKNOWN	14.42	20	J
9.		UNKNOWN	14.49	12	J
10.		UNKNOWN	14.64	32	J
11.		UNKNOWN	14.71	21	J
12.		UNKNOWN	14.78	79	J
13.		UNKNOWN	14.89	18	J
14.		UNKNOWN	14.95	95	J
15.		UNKNOWN	15.21	18	J
16.		UNKNOWN	15.31	18	J
17.		UNKNOWN	15.41	12	J
18.		UNKNOWN	15.49	57	J
19.		UNKNOWN	15.54	40	J
20.		UNKNOWN	15.85	56	J
21.		UNKNOWN	16.00	60	J
22.		UNKNOWN	16.06	30	J
23.		UNKNOWN	16.26	42	J
24.		UNKNOWN	16.33	21	J
25.		UNKNOWN	16.80	52	J
26.		UNKNOWN	17.08	62	J
27.		UNKNOWN	17.36	89	J
28.	0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	17.65	19	NJ
29.		UNKNOWN	17.99	16	J
30.	719-22-2	2,5-CYCLOHEXADIENE-1,4-DIONE	18.21	40	NJ

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)MS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905016

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4272

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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	26	
74-87-3	Chloromethane	32	
75-01-4	Vinyl Chloride	30	
74-83-9	Bromomethane	39	
75-00-3	Chloroethane	33	
75-69-4	Trichlorofluoromethane	24	
75-35-4	1,1-Dichloroethene	31	
67-64-1	Acetone	24	
74-88-4	Iodomethane	39	
75-15-0	Carbon Disulfide	26	
75-09-2	Methylene Chloride	45	
156-60-5	trans-1,2-Dichloroethene	32	
1634-04-4	Methyl tert-butyl ether	47	
75-34-3	1,1-Dichloroethane	33	
108-05-4	Vinyl acetate	22	
156-59-2	cis-1,2-Dichloroethene	37	
590-20-7	2,2-Dichloropropane	27	
78-93-3	2-Butanone	32	
74-97-5	Bromochloromethane	44	
67-66-3	Chloroform	35	
71-55-6	1,1,1-Trichloroethane	27	
563-58-6	1,1-Dichloropropene	25	
56-23-5	Carbon Tetrachloride	24	
107-06-2	1,2-Dichloroethane	41	
71-43-2	Benzene	29	
79-01-6	Trichloroethene	27	
78-87-5	1,2-Dichloropropane	31	
74-95-3	Dibromomethane	41	
75-27-4	Bromodichloromethane	34	
10061-01-5	cis-1,3-Dichloropropene	32	
108-10-1	4-Methyl-2-pentanone	40	
108-88-3	Toluene	24	
10061-02-6	trans-1,3-Dichloropropene	34	
79-00-5	1,1,2-Trichloroethane	40	

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)MS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905016

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4272

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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	
127-18-4	Tetrachloroethene	20	
591-78-6	2-Hexanone	32	
124-48-1	Dibromochloromethane	33	
106-93-4	1,2-Dibromoethane	34	
108-90-7	Chlorobenzene	22	
630-20-6	1,1,1,2-Tetrachloroethane	24	
100-41-4	Ethylbenzene	20	
100-42-5	Styrene	20	
1330-20-7	Xylene (Total)	57	
75-25-2	Bromoform	31	
98-82-8	Isopropylbenzene	17	
79-34-5	1,1,2,2-Tetrachloroethane	30	
108-86-1	Bromobenzene	22	
96-18-4	1,2,3-Trichloropropane	29	
103-65-1	n-Propylbenzene	17	
95-49-8	2-Chlorotoluene	19	
108-67-8	1,3,5-Trimethylbenzene	16	
106-43-4	4-Chlorotoluene	18	
98-06-6	tert-Butylbenzene	16	
95-63-6	1,2,4-Trimethylbenzene	17	
135-98-8	sec-Butylbenzene	15	
541-73-1	1,3-Dichlorobenzene	18	
99-87-6	4-Isopropyltoluene	15	
106-46-7	1,4-Dichlorobenzene	18	
104-51-8	n-Butylbenzene	14	
95-50-1	1,2-Dichlorobenzene	18	
96-12-8	1,2-Dibromo-3-chloropropane	21	
120-82-1	1,2,4-Trichlorobenzene	15	
87-68-3	Hexachlorobutadiene	10	
91-20-3	Naphthalene	15	
87-61-6	1,2,3-Trichlorobenzene	15	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)MSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905017

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4273

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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	25	
74-87-3	Chloromethane	32	
75-01-4	Vinyl Chloride	29	
74-83-9	Bromomethane	38	
75-00-3	Chloroethane	32	
75-69-4	Trichlorofluoromethane	21	
75-35-4	1,1-Dichloroethene	26	
67-64-1	Acetone	23	
74-88-4	Iodomethane	36	
75-15-0	Carbon Disulfide	23	
75-09-2	Methylene Chloride	41	
156-60-5	trans-1,2-Dichloroethene	28	
1634-04-4	Methyl tert-butyl ether	43	
75-34-3	1,1-Dichloroethane	29	
108-05-4	Vinyl acetate	16	
156-59-2	cis-1,2-Dichloroethene	32	
590-20-7	2,2-Dichloropropane	23	
78-93-3	2-Butanone	33	
74-97-5	Bromochloromethane	40	
67-66-3	Chloroform	30	
71-55-6	1,1,1-Trichloroethane	22	
563-58-6	1,1-Dichloropropene	21	
56-23-5	Carbon Tetrachloride	19	
107-06-2	1,2-Dichloroethane	35	
71-43-2	Benzene	23	
79-01-6	Trichloroethene	22	
78-87-5	1,2-Dichloropropane	26	
74-95-3	Dibromomethane	36	
75-27-4	Bromodichloromethane	28	
10061-01-5	cis-1,3-Dichloropropene	27	
108-10-1	4-Methyl-2-pentanone	37	
108-88-3	Toluene	20	
10061-02-6	trans-1,3-Dichloropropene	28	
79-00-5	1,1,2-Trichloroethane	34	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)MSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905017

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4273

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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	
127-18-4	Tetrachloroethene	16	
591-78-6	2-Hexanone	30	
124-48-1	Dibromochloromethane	28	
106-93-4	1,2-Dibromoethane	30	
108-90-7	Chlorobenzene	18	
630-20-6	1,1,1,2-Tetrachloroethane	21	
100-41-4	Ethylbenzene	16	
100-42-5	Styrene	17	
1330-20-7	Xylene (Total)	47	
75-25-2	Bromoform	26	
98-82-8	Isopropylbenzene	14	
79-34-5	1,1,2,2-Tetrachloroethane	29	
108-86-1	Bromobenzene	22	
96-18-4	1,2,3-Trichloropropane	29	
103-65-1	n-Propylbenzene	16	
95-49-8	2-Chlorotoluene	18	
108-67-8	1,3,5-Trimethylbenzene	15	
106-43-4	4-Chlorotoluene	18	
98-06-6	tert-Butylbenzene	14	
95-63-6	1,2,4-Trimethylbenzene	15	
135-98-8	sec-Butylbenzene	14	
541-73-1	1,3-Dichlorobenzene	16	
99-87-6	4-Isopropyltoluene	13	
106-46-7	1,4-Dichlorobenzene	16	
104-51-8	n-Butylbenzene	12	
95-50-1	1,2-Dichlorobenzene	17	
96-12-8	1,2-Dibromo-3-chloropropane	22	
120-82-1	1,2,4-Trichlorobenzene	13	
87-68-3	Hexachlorobutadiene	7	
91-20-3	Naphthalene	12	
87-61-6	1,2,3-Trichlorobenzene	13	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-4(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4207

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/11/01

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	10	
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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-4(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4207

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/11/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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.

NST-4(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4207

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/11/01

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	13.23	14	J
2.	UNKNOWN	13.76	7	J
3.	UNKNOWN	14.11	8	J
4.	UNKNOWN	14.20	25	J
5.	UNKNOWN	14.50	10	J
6.	UNKNOWN	14.66	10	J
7.	UNKNOWN	14.78	32	J
8.	BRANCHED ALKANE	14.90	21	J
9.	UNKNOWN	14.96	23	J
10.	UNKNOWN	15.00	15	J
11.	UNKNOWN	15.08	7	J
12.	UNKNOWN	15.22	11	J
13.	UNKNOWN	15.35	30	J
14.	UNKNOWN	15.41	10	J
15.	UNKNOWN	15.50	18	J
16.	UNKNOWN	15.55	36	J
17.	UNKNOWN	15.76	24	J
18.	UNKNOWN	15.88	17	J
19.	UNKNOWN	16.02	23	J
20.	UNKNOWN	16.07	10	J
21.	UNKNOWN	16.27	10	J
22.	UNKNOWN	16.53	9	J
23.	BRANCHED ALKANE	16.61	48	J
24.	UNKNOWN	16.80	15	J
25.	UNKNOWN	17.10	25	J
26.	UNKNOWN	17.25	16	J
27.	UNKNOWN	17.39	46	J
28. 0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	17.65	20	NJ
29.	UNKNOWN	17.95	7	J
30.	UNKNOWN	18.02	20	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-4(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007RE

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4266

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-4(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007RE

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4266

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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.

NST-4(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007RE

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4266

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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.	104-76-7	1-HEXANOL, 2-ETHYL-	13.22	15	NJ
2.		UNKNOWN	14.19	10	J
3.		UNKNOWN	14.77	12	J
4.		BRANCHED ALKANE	14.89	8	J
5.		UNKNOWN	15.34	14	J
6.		UNKNOWN	15.49	9	J
7.		UNKNOWN	15.54	18	J
8.		UNKNOWN	15.64	16	J
9.		UNKNOWN	15.75	13	J
10.		UNKNOWN	15.85	11	J
11.		UNKNOWN	16.01	12	J
12.		BRANCHED ALKANE	16.60	25	J
13.		UNKNOWN	16.76	6	J
14.		UNKNOWN	16.80	10	J
15.		UNKNOWN	17.09	14	J
16.		UNKNOWN	17.24	12	J
17.		UNKNOWN	17.38	30	J
18.	0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	17.64	14	NJ
19.		UNKNOWN	18.00	12	J
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-4(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905008

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V2E4208

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 19 Date Analyzed: 09/11/01

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

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

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

FORM I VOA

37

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-4(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905008

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V2E4208

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 19 Date Analyzed: 09/11/01

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
100-42-5	Styrene	6	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	6	U
99-87-6	4-Isopropyltoluene	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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-4(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905008

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V2E4208

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 19 Date Analyzed: 09/11/01

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.		BRANCHED ALKANE	17.39	7	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
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FORM I VOA-TIC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4267

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 8 Date Analyzed: 09/12/01

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	230	E
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	1	J
75-09-2	Methylene Chloride	6	
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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	120	
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	10	
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.

NST-5(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4267

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 8 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	27	
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
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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.

NST-5(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4267

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 8 Date Analyzed: 09/12/01

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.	107-87-9	2-PENTANONE	6.98	33	NJ
2.	104-76-7	1-HEXANOL, 2-ETHYL-	13.22	28	NJ
3.		UNKNOWN	13.40	19	J
4.		UNKNOWN	13.59	21	J
5.		UNKNOWN	13.74	34	J
6.		UNKNOWN	13.90	69	J
7.		UNKNOWN	14.02	47	J
8.		UNKNOWN	14.11	90	J
9.		UNKNOWN	14.24	150	J
10.		UNKNOWN	14.34	69	J
11.		UNKNOWN	14.43	53	J
12.		UNKNOWN	14.49	73	J
13.		UNKNOWN	14.66	170	J
14.		UNKNOWN	14.78	400	J
15.		UNKNOWN	14.90	46	J
16.		UNKNOWN	14.95	320	J
17.		UNKNOWN	15.07	140	J
18.		UNKNOWN	15.13	88	J
19.		UNKNOWN	15.21	170	J
20.		UNKNOWN	15.31	100	J
21.		UNKNOWN	15.41	56	J
22.		UNKNOWN	15.49	220	J
23.		UNKNOWN	15.87	270	J
24.		UNKNOWN	16.00	260	J
25.		UNKNOWN	16.08	140	J
26.		UNKNOWN	16.26	210	J
27.		UNKNOWN	16.64	130	J
28.		UNKNOWN	16.81	330	J
29.		UNKNOWN	17.06	360	J
30.		UNKNOWN	17.36	130	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(0-2)DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009DL

Sample wt/vol: 3.2 (g/mL) G Lab File ID: V2E4285

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 8 Date Analyzed: 09/13/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	8	U
74-87-3	Chloromethane	8	U
75-01-4	Vinyl Chloride	8	U
74-83-9	Bromomethane	8	U
75-00-3	Chloroethane	8	U
75-69-4	Trichlorofluoromethane	8	U
75-35-4	1,1-Dichloroethene	8	U
67-64-1	Acetone	220	D
74-88-4	Iodomethane	8	U
75-15-0	Carbon Disulfide	8	U
75-09-2	Methylene Chloride	3	DJ
156-60-5	trans-1,2-Dichloroethene	8	U
1634-04-4	Methyl tert-butyl ether	8	U
75-34-3	1,1-Dichloroethane	8	U
108-05-4	Vinyl acetate	8	U
156-59-2	cis-1,2-Dichloroethene	8	U
590-20-7	2,2-Dichloropropane	8	U
78-93-3	2-Butanone	120	D
74-97-5	Bromochloromethane	8	U
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	8	U
563-58-6	1,1-Dichloropropene	8	U
56-23-5	Carbon Tetrachloride	8	U
107-06-2	1,2-Dichloroethane	8	U
71-43-2	Benzene	8	U
79-01-6	Trichloroethene	8	U
78-87-5	1,2-Dichloropropane	8	U
74-95-3	Dibromomethane	8	U
75-27-4	Bromodichloromethane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
108-10-1	4-Methyl-2-pentanone	13	D
108-88-3	Toluene	8	U
10061-02-6	trans-1,3-Dichloropropene	8	U
79-00-5	1,1,2-Trichloroethane	8	U

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(0-2)DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009DL

Sample wt/vol: 3.2 (g/mL) G Lab File ID: V2E4285

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 8 Date Analyzed: 09/13/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	8	U
127-18-4	Tetrachloroethene	8	U
591-78-6	2-Hexanone	37	D
124-48-1	Dibromochloromethane	8	U
106-93-4	1,2-Dibromoethane	8	U
108-90-7	Chlorobenzene	8	U
630-20-6	1,1,1,2-Tetrachloroethane	8	U
100-41-4	Ethylbenzene	8	U
100-42-5	Styrene	8	U
1330-20-7	Xylene (Total)	8	U
75-25-2	Bromoform	8	U
98-82-8	Isopropylbenzene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-86-1	Bromobenzene	8	U
96-18-4	1,2,3-Trichloropropane	8	U
103-65-1	n-Propylbenzene	8	U
95-49-8	2-Chlorotoluene	8	U
108-67-8	1,3,5-Trimethylbenzene	8	U
106-43-4	4-Chlorotoluene	8	U
98-06-6	tert-Butylbenzene	8	U
95-63-6	1,2,4-Trimethylbenzene	8	U
135-98-8	sec-Butylbenzene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
99-87-6	4-Isopropyltoluene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
104-51-8	n-Butylbenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U
96-12-8	1,2-Dibromo-3-chloropropane	8	U
120-82-1	1,2,4-Trichlorobenzene	8	U
87-68-3	Hexachlorobutadiene	8	U
91-20-3	Naphthalene	8	U
87-61-6	1,2,3-Trichlorobenzene	8	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

NST-5(0-2)DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009DL

Sample wt/vol: 3.2 (g/mL) G Lab File ID: V2E4285

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 8 Date Analyzed: 09/13/01

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	6.99	39	JD
2.	UNKNOWN	13.23	55	JD
3.	UNKNOWN	13.43	41	JD
4.	UNKNOWN	13.60	44	JD
5.	UNKNOWN	13.74	63	JD
6.	UNKNOWN	13.92	120	JD
7.	UNKNOWN	14.02	84	JD
8.	UNKNOWN	14.11	160	JD
9.	UNKNOWN	14.24	270	JD
10.	UNKNOWN	14.35	140	JD
11.	UNKNOWN	14.44	110	JD
12.	UNKNOWN	14.50	150	JD
13.	UNKNOWN	14.67	360	JD
14.	UNKNOWN	14.78	640	JD
15.	UNKNOWN	14.91	100	JD
16.	UNKNOWN	14.96	530	JD
17.	UNKNOWN	15.09	250	JD
18.	UNKNOWN	15.15	160	JD
19.	UNKNOWN	15.22	370	JD
20.	UNKNOWN	15.33	180	JD
21.	UNKNOWN	15.50	430	JD
22.	UNKNOWN	15.87	570	JD
23.	UNKNOWN	16.01	480	JD
24.	UNKNOWN	16.09	320	JD
25.	UNKNOWN	16.28	400	JD
26.	UNKNOWN	16.39	220	JD
27.	UNKNOWN	16.65	260	JD
28.	UNKNOWN	16.82	350	JD
29.	UNKNOWN	17.06	600	JD
30.	UNKNOWN	17.37	200	JD

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4268

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 4 Date Analyzed: 09/12/01

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	46	
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	3	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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	22	
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	2	J
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4268

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 4 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	7	
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
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U

FORM I VOA

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

NST-5(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4268

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 4 Date Analyzed: 09/12/01

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	13.22	18	J
2.		UNKNOWN	13.89	16	J
3.		UNKNOWN	14.02	17	J
4.		UNKNOWN	14.10	24	J
5.		UNKNOWN	14.24	32	J
6.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	14.34	18	NJ
7.		UNKNOWN	14.43	13	J
8.		UNKNOWN	14.48	18	J
9.		UNKNOWN	14.66	40	J
10.		UNKNOWN	14.77	82	J
11.		UNKNOWN	14.95	67	J
12.		UNKNOWN	14.99	40	J
13.		UNKNOWN	15.07	26	J
14.		UNKNOWN	15.13	26	J
15.		UNKNOWN	15.31	30	J
16.		UNKNOWN	15.35	39	J
17.		UNKNOWN	15.49	56	J
18.		UNKNOWN	15.75	140	J
19.		UNKNOWN	15.86	78	J
20.		UNKNOWN	16.00	100	J
21.		UNKNOWN	16.07	50	J
22.		UNKNOWN	16.26	76	J
23.		UNKNOWN	16.34	60	J
24.		UNKNOWN	16.64	73	J
25.		UNKNOWN	16.81	160	J
26.	0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	17.64	78	NJ
27.		UNKNOWN	17.94	22	J
28.		UNKNOWN	18.00	45	J
29.		UNKNOWN	18.13	19	J
30.		UNKNOWN	18.26	44	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(2-4)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010RE

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4284

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 4 Date Analyzed: 09/13/01

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	33	
74-88-4	Iodomethane	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	2	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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	16	
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(2-4)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010RE

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4284

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 4 Date Analyzed: 09/13/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	7	
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
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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.

NST-5(2-4)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010RE

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4284

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 4 Date Analyzed: 09/13/01

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	13.23	31	J
2.	UNKNOWN	13.59	29	J
3.	UNKNOWN	13.74	40	J
4.	UNKNOWN	13.91	48	J
5.	UNKNOWN	14.02	60	J
6.	UNKNOWN	14.11	69	J
7.	UNKNOWN	14.29	20	J
8.	UNKNOWN	14.35	62	J
9.	UNKNOWN	14.43	48	J
10.	UNKNOWN	14.50	64	J
11.	UNKNOWN	14.67	140	J
12.	UNKNOWN	14.72	28	J
13.	UNKNOWN	14.78	260	J
14.	UNKNOWN	14.90	39	J
15.	UNKNOWN	14.96	230	J
16.	UNKNOWN	15.07	94	J
17.	UNKNOWN	15.14	75	J
18.	UNKNOWN	15.21	160	J
19.	UNKNOWN	15.32	85	J
20.	UNKNOWN	15.36	120	J
21.	UNKNOWN	15.50	180	J
22.	UNKNOWN	15.87	260	J
23.	UNKNOWN	16.01	250	J
24.	UNKNOWN	16.08	120	J
25.	UNKNOWN	16.26	200	J
26.	UNKNOWN	16.35	100	J
27.	UNKNOWN	16.65	150	J
28.	UNKNOWN	16.82	440	J
29.	UNKNOWN	17.09	340	J
30. 0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	17.65	43	NJ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-6(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4239

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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	21	
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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	4	J
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.

NST-6(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4239

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-6(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4239

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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	13.22	170	J
2.		UNKNOWN	18.01	5	J
3.		UNKNOWN	18.13	7	J
4.	719-22-2	2,5-CYCLOHEXADIENE-1,4-DIONE	18.23	17	NJ
5.					
6.					
7.					
8.					
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FORM I VOA-TIC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-6(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4269

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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

FORM I VOA

54A

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-6(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4269

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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.

NST-6(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011RE

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4269

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 7 Date Analyzed: 09/12/01

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

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	13.22	100	J
2.	719-22-2	2,5-CYCLOHEXADIENE-1,4-DIONE	18.22	11	NJ
3.					
4.					
5.					
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FORM I VOA-TIC

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-6(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905012

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V2E4270

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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	3	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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	5	U
74-97-5	Bromochloromethane	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U

FORM I VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-6(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905012

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V2E4270

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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.

NST-6(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905012

Sample wt/vol: 5.2 (g/mL) G Lab File ID: V2E4270

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 1 Date Analyzed: 09/12/01

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.	104-76-7	1-HEXANOL, 2-ETHYL-	13.22	31	NJ
2.					
3.					
4.					
5.					
6.					
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30.					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-7(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905013

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4241

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 2 Date Analyzed: 09/12/01

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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	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.

NST-7(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905013

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4241

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 2 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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.

NST-7(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905013

Sample wt/vol: 5.1 (g/mL) G Lab File ID: V2E4241

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 2 Date Analyzed: 09/12/01

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.	104-76-7	1-HEXANOL, 2-ETHYL-	13.22	11	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-7(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905014

Sample wt/vol: 5.3 (g/mL) G Lab File ID: V2E4242

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 5 Date Analyzed: 09/12/01

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
156-59-2	cis-1,2-Dichloroethene	5	U
590-20-7	2,2-Dichloropropane	5	U
78-93-3	2-Butanone	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.

NST-7(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905014

Sample wt/vol: 5.3 (g/mL) G Lab File ID: V2E4242

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 5 Date Analyzed: 09/12/01

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
142-28-9	1,3-Dichloropropane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (Total)	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
541-73-1	1,3-Dichlorobenzene	5	U
99-87-6	4-Isopropyltoluene	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.

NST-7(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905014

Sample wt/vol: 5.3 (g/mL) G Lab File ID: V2E4242

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 5 Date Analyzed: 09/12/01

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.	104-76-7	1-HEXANOL, 2-ETHYL-	13.22	30	NJ
2.					
3.					
4.					
5.					
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8.					
9.					
10.					
11.					
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2SLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: V2L0911A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4203

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

% Moisture: not dec. _____ Date Analyzed: 09/11/01

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	48	
74-87-3	Chloromethane	42	
75-01-4	Vinyl Chloride	43	
74-83-9	Bromomethane	50	
75-00-3	Chloroethane	44	
75-69-4	Trichlorofluoromethane	48	
75-35-4	1,1-Dichloroethene	52	
67-64-1	Acetone	44	
74-88-4	Iodomethane	52	
75-15-0	Carbon Disulfide	46	
75-09-2	Methylene Chloride	49	B
156-60-5	trans-1,2-Dichloroethene	50	
1634-04-4	Methyl tert-butyl ether	47	
75-34-3	1,1-Dichloroethane	45	
108-05-4	Vinyl acetate	39	
156-59-2	cis-1,2-Dichloroethene	52	
590-20-7	2,2-Dichloropropane	50	
78-93-3	2-Butanone	45	
74-97-5	Bromochloromethane	54	
67-66-3	Chloroform	50	
71-55-6	1,1,1-Trichloroethane	51	
563-58-6	1,1-Dichloropropene	55	
56-23-5	Carbon Tetrachloride	53	
107-06-2	1,2-Dichloroethane	48	
71-43-2	Benzene	48	
79-01-6	Trichloroethene	52	
78-87-5	1,2-Dichloropropane	45	
74-95-3	Dibromomethane	52	
75-27-4	Bromodichloromethane	49	
10061-01-5	cis-1,3-Dichloropropene	47	
108-10-1	4-Methyl-2-pentanone	44	
108-88-3	Toluene	50	
10061-02-6	trans-1,3-Dichloropropene	47	
79-00-5	1,1,2-Trichloroethane	52	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

V2SLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: V2L0911A

Sample wt/vol: 5.0 (g/mL) G Lab File ID: V2E4203

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

% Moisture: not dec. _____ Date Analyzed: 09/11/01

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	44	
127-18-4	Tetrachloroethene	51	
591-78-6	2-Hexanone	40	
124-48-1	Dibromochloromethane	49	
106-93-4	1,2-Dibromoethane	49	
108-90-7	Chlorobenzene	48	
630-20-6	1,1,1,2-Tetrachloroethane	49	
100-41-4	Ethylbenzene	49	
100-42-5	Styrene	46	
1330-20-7	Xylene (Total)	140	
75-25-2	Bromoform	52	
98-82-8	Isopropylbenzene	48	
79-34-5	1,1,2,2-Tetrachloroethane	43	
108-86-1	Bromobenzene	48	
96-18-4	1,2,3-Trichloropropane	43	
103-65-1	n-Propylbenzene	46	
95-49-8	2-Chlorotoluene	47	
108-67-8	1,3,5-Trimethylbenzene	44	
106-43-4	4-Chlorotoluene	47	
98-06-6	tert-Butylbenzene	45	
95-63-6	1,2,4-Trimethylbenzene	44	
135-98-8	sec-Butylbenzene	45	
541-73-1	1,3-Dichlorobenzene	47	
99-87-6	4-Isopropyltoluene	45	
106-46-7	1,4-Dichlorobenzene	47	
104-51-8	n-Butylbenzene	43	
95-50-1	1,2-Dichlorobenzene	47	
96-12-8	1,2-Dibromo-3-chloropropane	45	
120-82-1	1,2,4-Trichlorobenzene	48	
87-68-3	Hexachlorobutadiene	50	
91-20-3	Naphthalene	44	
87-61-6	1,2,3-Trichlorobenzene	48	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-1(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2114

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	690	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	690	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	690	U
83-32-9	Acenaphthene	340	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-1(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2114

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	690	U
100-02-7	4-Nitrophenol	690	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	690	U
534-52-1	4,6-Dinitro-2-methylphenol	690	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	690	U
85-01-8	Phenanthrene	49	J
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	340	U
206-44-0	Fluoranthene	84	J
129-00-0	Pyrene	59	J
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	340	U
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	35	J
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-1(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2114

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.38	360	JB
2.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-1(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905002

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3B2115

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted:09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	720	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	720	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	39	J
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	720	U
83-32-9	Acenaphthene	350	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-1(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905002

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3B2115

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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	720	U
100-02-7	4-Nitrophenol	720	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	720	U
534-52-1	4,6-Dinitro-2-methylphenol	720	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	720	U
85-01-8	Phenanthrene	840	
120-12-7	Anthracene	170	J
86-74-8	Carbazole	150	J
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	980	
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	530	
218-01-9	Chrysene	490	
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	520	
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	400	
193-39-5	Indeno(1,2,3-cd)pyrene	240	J
53-70-3	Dibenzo(a,h)anthracene	67	J
191-24-2	Benzo(g,h,i)perylene	220	J

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-1(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905002

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3B2115

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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.		UNKNOWN	8.38	390	JB
2.		UNKNOWN	19.10	140	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-2(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905003

Sample wt/vol: 30.8 (g/mL) G Lab File ID: S3B2136

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3300	U
111-44-4	bis(2-Chloroethyl)Ether	3300	U
95-57-8	2-Chlorophenol	3300	U
541-73-1	1,3-Dichlorobenzene	3300	U
106-46-7	1,4-Dichlorobenzene	3300	U
95-50-1	1,2-Dichlorobenzene	3300	U
95-48-7	2-Methylphenol	3300	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3300	U
106-44-5	4-Methylphenol	3300	U
621-64-7	N-Nitroso-di-n-propylamine	3300	U
67-72-1	Hexachloroethane	3300	U
98-95-3	Nitrobenzene	3300	U
78-59-1	Isophorone	3300	U
88-75-5	2-Nitrophenol	3300	U
105-67-9	2,4-Dimethylphenol	3300	U
120-83-2	2,4-Dichlorophenol	3300	U
120-82-1	1,2,4-Trichlorobenzene	3300	U
91-20-3	Naphthalene	3300	U
106-47-8	4-Chloroaniline	3300	U
111-91-1	bis(2-Chloroethoxy)methane	3300	U
87-68-3	Hexachlorobutadiene	3300	U
59-50-7	4-Chloro-3-Methylphenol	3300	U
91-57-6	2-Methylnaphthalene	3300	U
77-47-4	Hexachlorocyclopentadiene	3300	U
88-06-2	2,4,6-Trichlorophenol	3300	U
95-95-4	2,4,5-Trichlorophenol	6700	U
91-58-7	2-Chloronaphthalene	3300	U
88-74-4	2-Nitroaniline	6700	U
131-11-3	Dimethylphthalate	3300	U
208-96-8	Acenaphthylene	3300	U
606-20-2	2,6-Dinitrotoluene	3300	U
99-09-2	3-Nitroaniline	6700	U
83-32-9	Acenaphthene	3300	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-2(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905003

Sample wt/vol: 30.8 (g/mL) G Lab File ID: S3B2136

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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	6700	U
100-02-7	4-Nitrophenol	6700	U
132-64-9	Dibenzofuran	3300	U
121-14-2	2,4-Dinitrotoluene	3300	U
84-66-2	Diethylphthalate	3300	U
7005-72-3	4-Chlorophenyl-phenylether	3300	U
86-73-7	Fluorene	3300	U
100-01-6	4-Nitroaniline	6700	U
534-52-1	4,6-Dinitro-2-methylphenol	6700	U
86-30-6	N-Nitrosodiphenylamine (1)	3300	U
101-55-3	4-Bromophenyl-phenylether	3300	U
118-74-1	Hexachlorobenzene	3300	U
87-86-5	Pentachlorophenol	6700	U
85-01-8	Phenanthrene	3300	U
120-12-7	Anthracene	3300	U
86-74-8	Carbazole	3300	U
84-74-2	Di-n-butylphthalate	3300	U
206-44-0	Fluoranthene	3300	U
129-00-0	Pyrene	3300	U
85-68-7	Butylbenzylphthalate	3300	U
91-94-1	3,3'-Dichlorobenzidine	3300	U
56-55-3	Benzo(a)anthracene	3300	U
218-01-9	Chrysene	3300	U
117-81-7	bis(2-Ethylhexyl)phthalate	3300	U
117-84-0	Di-n-octylphthalate	3300	U
205-99-2	Benzo(b)fluoranthene	3300	U
207-08-9	Benzo(k)fluoranthene	3300	U
50-32-8	Benzo(a)pyrene	3300	U
193-39-5	Indeno(1,2,3-cd)pyrene	3300	U
53-70-3	Dibenzo(a,h)anthracene	3300	U
191-24-2	Benzo(g,h,i)perylene	3300	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-2(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905003

Sample wt/vol: 30.8 (g/mL) G Lab File ID: S3B2136

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	3179-47-3	2-PROPENOIC ACID, 2-METHYL-,	17.58	3200	NJ
2.	3179-47-3	2-PROPENOIC ACID, 2-METHYL-,	18.47	4100	NJ
3.		UNKNOWN	19.32	3400	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-2(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905004

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3B2113

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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	320	U
111-44-4	bis(2-Chloroethyl)Ether	320	U
95-57-8	2-Chlorophenol	320	U
541-73-1	1,3-Dichlorobenzene	320	U
106-46-7	1,4-Dichlorobenzene	320	U
95-50-1	1,2-Dichlorobenzene	320	U
95-48-7	2-Methylphenol	320	U
108-60-1	2,2'-oxybis(1-Chloropropane)	320	U
106-44-5	4-Methylphenol	320	U
621-64-7	N-Nitroso-di-n-propylamine	320	U
67-72-1	Hexachloroethane	320	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	320	U
88-75-5	2-Nitrophenol	320	U
105-67-9	2,4-Dimethylphenol	320	U
120-83-2	2,4-Dichlorophenol	320	U
120-82-1	1,2,4-Trichlorobenzene	320	U
91-20-3	Naphthalene	320	U
106-47-8	4-Chloroaniline	320	U
111-91-1	bis(2-Chloroethoxy)methane	320	U
87-68-3	Hexachlorobutadiene	320	U
59-50-7	4-Chloro-3-Methylphenol	320	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	320	U
88-06-2	2,4,6-Trichlorophenol	320	U
95-95-4	2,4,5-Trichlorophenol	660	U
91-58-7	2-Chloronaphthalene	320	U
88-74-4	2-Nitroaniline	660	U
131-11-3	Dimethylphthalate	320	U
208-96-8	Acenaphthylene	320	U
606-20-2	2,6-Dinitrotoluene	320	U
99-09-2	3-Nitroaniline	660	U
83-32-9	Acenaphthene	320	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-2(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905004

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3B2113

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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	660	U
100-02-7	4-Nitrophenol	660	U
132-64-9	Dibenzofuran	320	U
121-14-2	2,4-Dinitrotoluene	320	U
84-66-2	Diethylphthalate	320	U
7005-72-3	4-Chlorophenyl-phenylether	320	U
86-73-7	Fluorene	320	U
100-01-6	4-Nitroaniline	660	U
534-52-1	4,6-Dinitro-2-methylphenol	660	U
86-30-6	N-Nitrosodiphenylamine (1)	320	U
101-55-3	4-Bromophenyl-phenylether	320	U
118-74-1	Hexachlorobenzene	320	U
87-86-5	Pentachlorophenol	660	U
85-01-8	Phenanthrene	320	U
120-12-7	Anthracene	320	U
86-74-8	Carbazole	320	U
84-74-2	Di-n-butylphthalate	320	U
206-44-0	Fluoranthene	320	U
129-00-0	Pyrene	320	U
85-68-7	Butylbenzylphthalate	320	U
91-94-1	3,3'-Dichlorobenzidine	320	U
56-55-3	Benzo(a)anthracene	320	U
218-01-9	Chrysene	320	U
117-81-7	bis(2-Ethylhexyl)phthalate	320	U
117-84-0	Di-n-octylphthalate	320	U
205-99-2	Benzo(b)fluoranthene	320	U
207-08-9	Benzo(k)fluoranthene	320	U
50-32-8	Benzo(a)pyrene	320	U
193-39-5	Indeno(1,2,3-cd)pyrene	320	U
53-70-3	Dibenzo(a,h)anthracene	320	U
191-24-2	Benzo(g,h,i)perylene	320	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

NST-2(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905004

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3B2113

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: _____ decanted: (Y/N)___ Date Extracted:09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.38	370	JB
2.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905005

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3B2134

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	16000	U
111-44-4	bis(2-Chloroethyl)Ether	16000	U
95-57-8	2-Chlorophenol	16000	U
541-73-1	1,3-Dichlorobenzene	16000	U
106-46-7	1,4-Dichlorobenzene	16000	U
95-50-1	1,2-Dichlorobenzene	16000	U
95-48-7	2-Methylphenol	16000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	16000	U
106-44-5	4-Methylphenol	16000	U
621-64-7	N-Nitroso-di-n-propylamine	16000	U
67-72-1	Hexachloroethane	16000	U
98-95-3	Nitrobenzene	16000	U
78-59-1	Isophorone	16000	U
88-75-5	2-Nitrophenol	16000	U
105-67-9	2,4-Dimethylphenol	16000	U
120-83-2	2,4-Dichlorophenol	16000	U
120-82-1	1,2,4-Trichlorobenzene	16000	U
91-20-3	Naphthalene	16000	U
106-47-8	4-Chloroaniline	16000	U
111-91-1	bis(2-Chloroethoxy)methane	16000	U
87-68-3	Hexachlorobutadiene	16000	U
59-50-7	4-Chloro-3-Methylphenol	16000	U
91-57-6	2-Methylnaphthalene	16000	U
77-47-4	Hexachlorocyclopentadiene	16000	U
88-06-2	2,4,6-Trichlorophenol	16000	U
95-95-4	2,4,5-Trichlorophenol	33000	U
91-58-7	2-Chloronaphthalene	16000	U
88-74-4	2-Nitroaniline	33000	U
131-11-3	Dimethylphthalate	16000	U
208-96-8	Acenaphthylene	16000	U
606-20-2	2,6-Dinitrotoluene	16000	U
99-09-2	3-Nitroaniline	33000	U
83-32-9	Acenaphthene	16000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905005

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3B2134

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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	33000	U
100-02-7	4-Nitrophenol	33000	U
132-64-9	Dibenzofuran	16000	U
121-14-2	2,4-Dinitrotoluene	16000	U
84-66-2	Diethylphthalate	16000	U
7005-72-3	4-Chlorophenyl-phenylether	16000	U
86-73-7	Fluorene	16000	U
100-01-6	4-Nitroaniline	33000	U
534-52-1	4,6-Dinitro-2-methylphenol	33000	U
86-30-6	N-Nitrosodiphenylamine (1)	16000	U
101-55-3	4-Bromophenyl-phenylether	16000	U
118-74-1	Hexachlorobenzene	16000	U
87-86-5	Pentachlorophenol	33000	U
85-01-8	Phenanthrene	16000	U
120-12-7	Anthracene	16000	U
86-74-8	Carbazole	16000	U
84-74-2	Di-n-butylphthalate	1900	J
206-44-0	Fluoranthene	16000	U
129-00-0	Pyrene	16000	U
85-68-7	Butylbenzylphthalate	16000	U
91-94-1	3,3'-Dichlorobenzidine	16000	U
56-55-3	Benzo(a)anthracene	16000	U
218-01-9	Chrysene	16000	U
117-81-7	bis(2-Ethylhexyl)phthalate	7600	J
117-84-0	Di-n-octylphthalate	16000	U
205-99-2	Benzo(b)fluoranthene	16000	U
207-08-9	Benzo(k)fluoranthene	16000	U
50-32-8	Benzo(a)pyrene	16000	U
193-39-5	Indeno(1,2,3-cd)pyrene	16000	U
53-70-3	Dibenzo(a,h)anthracene	16000	U
191-24-2	Benzo(g,h,i)perylene	16000	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-3(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905005

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3B2134

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted:09/11/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___

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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905006

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3B2135

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	16000	U
111-44-4	bis(2-Chloroethyl)Ether	16000	U
95-57-8	2-Chlorophenol	16000	U
541-73-1	1,3-Dichlorobenzene	16000	U
106-46-7	1,4-Dichlorobenzene	16000	U
95-50-1	1,2-Dichlorobenzene	16000	U
95-48-7	2-Methylphenol	16000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	16000	U
106-44-5	4-Methylphenol	16000	U
621-64-7	N-Nitroso-di-n-propylamine	16000	U
67-72-1	Hexachloroethane	16000	U
98-95-3	Nitrobenzene	16000	U
78-59-1	Isophorone	16000	U
88-75-5	2-Nitrophenol	16000	U
105-67-9	2,4-Dimethylphenol	16000	U
120-83-2	2,4-Dichlorophenol	16000	U
120-82-1	1,2,4-Trichlorobenzene	16000	U
91-20-3	Naphthalene	16000	U
106-47-8	4-Chloroaniline	16000	U
111-91-1	bis(2-Chloroethoxy)methane	16000	U
87-68-3	Hexachlorobutadiene	16000	U
59-50-7	4-Chloro-3-Methylphenol	16000	U
91-57-6	2-Methylnaphthalene	16000	U
77-47-4	Hexachlorocyclopentadiene	16000	U
88-06-2	2,4,6-Trichlorophenol	16000	U
95-95-4	2,4,5-Trichlorophenol	33000	U
91-58-7	2-Chloronaphthalene	16000	U
88-74-4	2-Nitroaniline	33000	U
131-11-3	Dimethylphthalate	16000	U
208-96-8	Acenaphthylene	16000	U
606-20-2	2,6-Dinitrotoluene	16000	U
99-09-2	3-Nitroaniline	33000	U
83-32-9	Acenaphthene	16000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905006

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3B2135

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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	33000	U
100-02-7	4-Nitrophenol	33000	U
132-64-9	Dibenzofuran	16000	U
121-14-2	2,4-Dinitrotoluene	16000	U
84-66-2	Diethylphthalate	16000	U
7005-72-3	4-Chlorophenyl-phenylether	16000	U
86-73-7	Fluorene	16000	U
100-01-6	4-Nitroaniline	33000	U
534-52-1	4,6-Dinitro-2-methylphenol	33000	U
86-30-6	N-Nitrosodiphenylamine (1)	16000	U
101-55-3	4-Bromophenyl-phenylether	16000	U
118-74-1	Hexachlorobenzene	16000	U
87-86-5	Pentachlorophenol	33000	U
85-01-8	Phenanthrene	16000	U
120-12-7	Anthracene	16000	U
86-74-8	Carbazole	16000	U
84-74-2	Di-n-butylphthalate	3000	J
206-44-0	Fluoranthene	16000	U
129-00-0	Pyrene	16000	U
85-68-7	Butylbenzylphthalate	16000	U
91-94-1	3,3'-Dichlorobenzidine	16000	U
56-55-3	Benzo(a)anthracene	16000	U
218-01-9	Chrysene	16000	U
117-81-7	bis(2-Ethylhexyl)phthalate	10000	J
117-84-0	Di-n-octylphthalate	16000	U
205-99-2	Benzo(b)fluoranthene	16000	U
207-08-9	Benzo(k)fluoranthene	16000	U
50-32-8	Benzo(a)pyrene	16000	U
193-39-5	Indeno(1,2,3-cd)pyrene	16000	U
53-70-3	Dibenzo(a,h)anthracene	16000	U
191-24-2	Benzo(g,h,i)perylene	16000	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

NST-3(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905006

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3B2135

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___

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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)MS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905016

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3B2118

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/01

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	1200	J
111-44-4	bis(2-Chloroethyl)Ether	1200	J
95-57-8	2-Chlorophenol	1200	J
541-73-1	1,3-Dichlorobenzene	1100	J
106-46-7	1,4-Dichlorobenzene	1100	J
95-50-1	1,2-Dichlorobenzene	1100	J
95-48-7	2-Methylphenol	1200	J
108-60-1	2,2'-oxybis(1-Chloropropane)	1200	J
106-44-5	4-Methylphenol	1200	J
621-64-7	N-Nitroso-di-n-propylamine	1200	J
67-72-1	Hexachloroethane	1100	J
98-95-3	Nitrobenzene	1100	J
78-59-1	Isophorone	1100	J
88-75-5	2-Nitrophenol	1200	J
105-67-9	2,4-Dimethylphenol	1200	J
120-83-2	2,4-Dichlorophenol	1100	J
120-82-1	1,2,4-Trichlorobenzene	1200	J
91-20-3	Naphthalene	1300	J
106-47-8	4-Chloroaniline	920	J
111-91-1	bis(2-Chloroethoxy)methane	1200	J
87-68-3	Hexachlorobutadiene	1200	J
59-50-7	4-Chloro-3-Methylphenol	1300	J
91-57-6	2-Methylnaphthalene	1300	J
77-47-4	Hexachlorocyclopentadiene	450	J
88-06-2	2,4,6-Trichlorophenol	1200	J
95-95-4	2,4,5-Trichlorophenol	1200	J
91-58-7	2-Chloronaphthalene	1400	J
88-74-4	2-Nitroaniline	1300	J
131-11-3	Dimethylphthalate	1400	J
208-96-8	Acenaphthylene	1300	J
606-20-2	2,6-Dinitrotoluene	3200	
99-09-2	3-Nitroaniline	1300	J
83-32-9	Acenaphthene	1300	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)MS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905016

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3B2118

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/01

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	430	J
100-02-7	4-Nitrophenol	1300	J
132-64-9	Dibenzofuran	1400	J
121-14-2	2,4-Dinitrotoluene	1100	J
84-66-2	Diethylphthalate	1400	J
7005-72-3	4-Chlorophenyl-phenylether	1400	J
86-73-7	Fluorene	1400	J
100-01-6	4-Nitroaniline	1200	J
534-52-1	4,6-Dinitro-2-methylphenol	760	J
86-30-6	N-Nitrosodiphenylamine (1)	1300	J
101-55-3	4-Bromophenyl-phenylether	1400	J
118-74-1	Hexachlorobenzene	1300	J
87-86-5	Pentachlorophenol	960	J
85-01-8	Phenanthrene	1400	J
120-12-7	Anthracene	1300	J
86-74-8	Carbazole	1400	J
84-74-2	Di-n-butylphthalate	4200	
206-44-0	Fluoranthene	1300	J
129-00-0	Pyrene	1400	J
85-68-7	Butylbenzylphthalate	1300	J
91-94-1	3,3'-Dichlorobenzidine	1100	J
56-55-3	Benzo(a)anthracene	1300	J
218-01-9	Chrysene	1500	J
117-81-7	bis(2-Ethylhexyl)phthalate	11000	
117-84-0	Di-n-octylphthalate	1200	J
205-99-2	Benzo(b)fluoranthene	1300	J
207-08-9	Benzo(k)fluoranthene	1300	J
50-32-8	Benzo(a)pyrene	1300	J
193-39-5	Indeno(1,2,3-cd)pyrene	1400	J
53-70-3	Dibenzo(a,h)anthracene	1200	J
191-24-2	Benzo(g,h,i)perylene	1500	J

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)MSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905017

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3B2119

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/01

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	1200	J
111-44-4	bis(2-Chloroethyl)Ether	1300	J
95-57-8	2-Chlorophenol	1200	J
541-73-1	1,3-Dichlorobenzene	1100	J
106-46-7	1,4-Dichlorobenzene	1200	J
95-50-1	1,2-Dichlorobenzene	1200	J
95-48-7	2-Methylphenol	1300	J
108-60-1	2,2'-oxybis(1-Chloropropane)	1200	J
106-44-5	4-Methylphenol	1200	J
621-64-7	N-Nitroso-di-n-propylamine	1300	J
67-72-1	Hexachloroethane	1200	J
98-95-3	Nitrobenzene	1400	J
78-59-1	Isophorone	1200	J
88-75-5	2-Nitrophenol	1200	J
105-67-9	2,4-Dimethylphenol	1300	J
120-83-2	2,4-Dichlorophenol	1300	J
120-82-1	1,2,4-Trichlorobenzene	1200	J
91-20-3	Naphthalene	1300	J
106-47-8	4-Chloroaniline	1100	J
111-91-1	bis(2-Chloroethoxy)methane	1300	J
87-68-3	Hexachlorobutadiene	1300	J
59-50-7	4-Chloro-3-Methylphenol	1300	J
91-57-6	2-Methylnaphthalene	1400	J
77-47-4	Hexachlorocyclopentadiene	500	J
88-06-2	2,4,6-Trichlorophenol	1500	J
95-95-4	2,4,5-Trichlorophenol	1300	J
91-58-7	2-Chloronaphthalene	1500	J
88-74-4	2-Nitroaniline	1300	J
131-11-3	Dimethylphthalate	1500	J
208-96-8	Acenaphthylene	1400	J
606-20-2	2,6-Dinitrotoluene	3700	
99-09-2	3-Nitroaniline	1200	J
83-32-9	Acenaphthene	1500	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-3(2-4)MSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905017

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3B2119

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	730	J
100-02-7	4-Nitrophenol	1500	J
132-64-9	Dibenzofuran	1500	J
121-14-2	2,4-Dinitrotoluene	1400	J
84-66-2	Diethylphthalate	1500	J
7005-72-3	4-Chlorophenyl-phenylether	1300	J
86-73-7	Fluorene	1500	J
100-01-6	4-Nitroaniline	1200	J
534-52-1	4,6-Dinitro-2-methylphenol	1200	J
86-30-6	N-Nitrosodiphenylamine (1)	1500	J
101-55-3	4-Bromophenyl-phenylether	1400	J
118-74-1	Hexachlorobenzene	1500	J
87-86-5	Pentachlorophenol	1100	J
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	1500	J
86-74-8	Carbazole	1500	J
84-74-2	Di-n-butylphthalate	4700	
206-44-0	Fluoranthene	1500	J
129-00-0	Pyrene	1500	J
85-68-7	Butylbenzylphthalate	1500	J
91-94-1	3,3'-Dichlorobenzidine	1300	J
56-55-3	Benzo(a)anthracene	1500	J
218-01-9	Chrysene	1500	J
117-81-7	bis(2-Ethylhexyl)phthalate	13000	
117-84-0	Di-n-octylphthalate	1300	J
205-99-2	Benzo(b)fluoranthene	1400	J
207-08-9	Benzo(k)fluoranthene	1300	J
50-32-8	Benzo(a)pyrene	1500	J
193-39-5	Indeno(1,2,3-cd)pyrene	1600	J
53-70-3	Dibenzo(a,h)anthracene	1500	J
191-24-2	Benzo(g,h,i)perylene	1600	J

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-4(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3B2117

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	710	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	710	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	710	U
83-32-9	Acenaphthene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
NST-4(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3B2117

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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	710	U
100-02-7	4-Nitrophenol	710	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	710	U
534-52-1	4,6-Dinitro-2-methylphenol	710	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	710	U
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	38	J
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	270	J
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	160	J
218-01-9	Chrysene	170	J
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	270	J
207-08-9	Benzo(k)fluoranthene	81	J
50-32-8	Benzo(a)pyrene	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	160	J
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	150	J

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-4(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3B2117

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 9

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.07	4500	J
2.		UNKNOWN	8.41	3000	JB
3.		UNKNOWN	10.82	9300	J
4.		UNKNOWN	11.25	1200	J
5.		UNKNOWN	11.49	46000	J
6.		UNKNOWN	12.10	250	J
7.		UNKNOWN	12.52	570	J
8.		UNKNOWN	14.63	380	J
9.		UNKNOWN	17.08	300	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-4(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007RE

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3B2162

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/16/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/18/01

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	3500	U
111-44-4	bis(2-Chloroethyl)Ether	3500	U
95-57-8	2-Chlorophenol	3500	U
541-73-1	1,3-Dichlorobenzene	3500	U
106-46-7	1,4-Dichlorobenzene	3500	U
95-50-1	1,2-Dichlorobenzene	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3500	U
106-44-5	4-Methylphenol	3500	U
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
120-82-1	1,2,4-Trichlorobenzene	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
87-68-3	Hexachlorobutadiene	3500	U
59-50-7	4-Chloro-3-Methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	7200	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	7200	U
131-11-3	Dimethylphthalate	3500	U
208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	7200	U
83-32-9	Acenaphthene	3500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-4(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007RE

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3B2162

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/16/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/18/01

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	7200	U
100-02-7	4-Nitrophenol	7200	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	7200	U
534-52-1	4,6-Dinitro-2-methylphenol	7200	U
86-30-6	N-Nitrosodiphenylamine (1)	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
87-86-5	Pentachlorophenol	7200	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	3500	U
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3'-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	3500	U
117-84-0	Di-n-octylphthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenzo(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-4(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007RE

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S3B2162

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/16/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/18/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.16	5900	JB
2.		UNKNOWN	8.72	18000	J
3.		UNKNOWN	10.59	360000	J
4.		UNKNOWN	10.94	95000	J
5.		UNKNOWN	11.26	520000	J
6.		UNKNOWN	11.29	2300	J
7.					
8.					
9.					
10.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-4(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905008

Sample wt/vol: 30.8 (g/mL) G Lab File ID: S3B2109

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 19 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)Ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-Methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	400	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-4(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905008

Sample wt/vol: 30.8 (g/mL) G Lab File ID: S3B2109

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 19 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	800	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	800	U
534-52-1	4,6-Dinitro-2-methylphenol	800	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	800	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-4(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905008

Sample wt/vol: 30.8 (g/mL) G Lab File ID: S3B2109

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 19 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.38	410	JB
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3B2137

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 8 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)Ether	3500	U
95-57-8	2-Chlorophenol	3500	U
541-73-1	1,3-Dichlorobenzene	3500	U
106-46-7	1,4-Dichlorobenzene	3500	U
95-50-1	1,2-Dichlorobenzene	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3500	U
106-44-5	4-Methylphenol	780	J
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
120-82-1	1,2,4-Trichlorobenzene	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
87-68-3	Hexachlorobutadiene	3500	U
59-50-7	4-Chloro-3-Methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	7100	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	7100	U
131-11-3	Dimethylphthalate	3500	U
208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	7100	U
83-32-9	Acenaphthene	3500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3B2137

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 8 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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	7100	U
100-02-7	4-Nitrophenol	7100	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	7100	U
534-52-1	4,6-Dinitro-2-methylphenol	7100	U
86-30-6	N-Nitrosodiphenylamine (1)	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
87-86-5	Pentachlorophenol	7100	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	690	J
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3'-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	800	J
117-84-0	Di-n-octylphthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenzo(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-5(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3B2137

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 8 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/17/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	3179-47-3	2-PROPENOIC ACID, 2-METHYL-,	17.58	21000	NJ
2.		UNKNOWN	18.47	24000	J
3.		UNKNOWN	19.32	23000	J
4.	1599-67-3	1-DOCOSENE	20.14	16000	NJ
5.		UNKNOWN	24.23	7900	J
6.	1330-78-5	PHOSPHORIC ACID, TRIS(METHYL	24.42	7300	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009RE

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3B2161

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 8 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/18/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	3500	U
111-44-4	bis(2-Chloroethyl)Ether	3500	U
95-57-8	2-Chlorophenol	3500	U
541-73-1	1,3-Dichlorobenzene	3500	U
106-46-7	1,4-Dichlorobenzene	3500	U
95-50-1	1,2-Dichlorobenzene	3500	U
95-48-7	2-Methylphenol	3500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	3500	U
106-44-5	4-Methylphenol	720	J
621-64-7	N-Nitroso-di-n-propylamine	3500	U
67-72-1	Hexachloroethane	3500	U
98-95-3	Nitrobenzene	3500	U
78-59-1	Isophorone	3500	U
88-75-5	2-Nitrophenol	3500	U
105-67-9	2,4-Dimethylphenol	3500	U
120-83-2	2,4-Dichlorophenol	3500	U
120-82-1	1,2,4-Trichlorobenzene	3500	U
91-20-3	Naphthalene	3500	U
106-47-8	4-Chloroaniline	3500	U
111-91-1	bis(2-Chloroethoxy)methane	3500	U
87-68-3	Hexachlorobutadiene	3500	U
59-50-7	4-Chloro-3-Methylphenol	3500	U
91-57-6	2-Methylnaphthalene	3500	U
77-47-4	Hexachlorocyclopentadiene	3500	U
88-06-2	2,4,6-Trichlorophenol	3500	U
95-95-4	2,4,5-Trichlorophenol	7100	U
91-58-7	2-Chloronaphthalene	3500	U
88-74-4	2-Nitroaniline	7100	U
131-11-3	Dimethylphthalate	3500	U
208-96-8	Acenaphthylene	3500	U
606-20-2	2,6-Dinitrotoluene	3500	U
99-09-2	3-Nitroaniline	7100	U
83-32-9	Acenaphthene	3500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009RE

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3B2161

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 8 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/18/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

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	7100	U
100-02-7	4-Nitrophenol	7100	U
132-64-9	Dibenzofuran	3500	U
121-14-2	2,4-Dinitrotoluene	3500	U
84-66-2	Diethylphthalate	3500	U
7005-72-3	4-Chlorophenyl-phenylether	3500	U
86-73-7	Fluorene	3500	U
100-01-6	4-Nitroaniline	7100	U
534-52-1	4,6-Dinitro-2-methylphenol	7100	U
86-30-6	N-Nitrosodiphenylamine (1)	3500	U
101-55-3	4-Bromophenyl-phenylether	3500	U
118-74-1	Hexachlorobenzene	3500	U
87-86-5	Pentachlorophenol	7100	U
85-01-8	Phenanthrene	3500	U
120-12-7	Anthracene	3500	U
86-74-8	Carbazole	3500	U
84-74-2	Di-n-butylphthalate	730	J
206-44-0	Fluoranthene	3500	U
129-00-0	Pyrene	3500	U
85-68-7	Butylbenzylphthalate	3500	U
91-94-1	3,3'-Dichlorobenzidine	3500	U
56-55-3	Benzo(a)anthracene	3500	U
218-01-9	Chrysene	3500	U
117-81-7	bis(2-Ethylhexyl)phthalate	780	J
117-84-0	Di-n-octylphthalate	3500	U
205-99-2	Benzo(b)fluoranthene	3500	U
207-08-9	Benzo(k)fluoranthene	3500	U
50-32-8	Benzo(a)pyrene	3500	U
193-39-5	Indeno(1,2,3-cd)pyrene	3500	U
53-70-3	Dibenzo(a,h)anthracene	3500	U
191-24-2	Benzo(g,h,i)perylene	3500	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-5(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009RE

Sample wt/vol: 30.6 (g/mL) G Lab File ID: S3B2161

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 8 decanted: (Y/N) N Date Extracted:09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/18/01

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	142-90-5	2-PROPENOIC ACID, 2-METHYL-,	17.46	15000	NJ
2.		UNKNOWN	18.35	17000	J
3.	1120-36-1	1-TETRADECENE	19.20	18000	NJ
4.		UNKNOWN	20.01	12000	J
5.	563-04-2	PHOSPHORIC ACID, TRIS(3-METH	24.09	6300	NJ
6.	563-04-2	PHOSPHORIC ACID, TRIS(3-METH	24.30	7000	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2120

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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	90	J
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	350	
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	700	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	700	U
83-32-9	Acenaphthene	340	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2120

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	700	U
100-02-7	4-Nitrophenol	700	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	700	U
534-52-1	4,6-Dinitro-2-methylphenol	700	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	700	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	70	J
206-44-0	Fluoranthene	340	U
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	100	J
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-5(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2120

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.38	710	JB
2.		UNKNOWN	10.81	280	J
3.		UNKNOWN	17.72	1400	J
4.		UNKNOWN	18.61	1700	J
5.		UNKNOWN	19.46	2000	J
6.	103-23-1	HEXANEDIOIC ACID, BIS(2-ETHY	22.61	2100	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(2-4)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010RE

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3B2163

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 09/17/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/19/01

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	110	J
111-44-4	bis(2-Chloroethyl)Ether	340	U
95-57-8	2-Chlorophenol	340	U
541-73-1	1,3-Dichlorobenzene	340	U
106-46-7	1,4-Dichlorobenzene	340	U
95-50-1	1,2-Dichlorobenzene	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
106-44-5	4-Methylphenol	470	
621-64-7	N-Nitroso-di-n-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	240	J
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
120-83-2	2,4-Dichlorophenol	340	U
120-82-1	1,2,4-Trichlorobenzene	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
87-68-3	Hexachlorobutadiene	340	U
59-50-7	4-Chloro-3-Methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	700	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	700	U
83-32-9	Acenaphthene	340	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-5(2-4)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010RE

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3B2163

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 09/17/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/19/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	700	U
100-02-7	4-Nitrophenol	700	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenyl-phenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	700	U
534-52-1	4,6-Dinitro-2-methylphenol	700	U
86-30-6	N-Nitrosodiphenylamine (1)	340	U
101-55-3	4-Bromophenyl-phenylether	340	U
118-74-1	Hexachlorobenzene	340	U
87-86-5	Pentachlorophenol	700	U
85-01-8	Phenanthrene	340	U
120-12-7	Anthracene	340	U
86-74-8	Carbazole	340	U
84-74-2	Di-n-butylphthalate	93	J
206-44-0	Fluoranthene	38	J
129-00-0	Pyrene	340	U
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	340	U
218-01-9	Chrysene	340	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U
191-24-2	Benzo(g,h,i)perylene	340	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

NST-5(2-4)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010RE

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3B2163

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 4 decanted: (Y/N) N Date Extracted: 09/17/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/19/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 7

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.16	1100	JB
2.		UNKNOWN	10.11	320	J
3.		UNKNOWN	10.58	7600	J
4.		UNKNOWN	11.23	16000	J
5.		UNKNOWN	18.35	2600	J
6.		UNKNOWN	19.20	2600	J
7.	103-23-1	HEXANEDIOIC ACID, BIS(2-ETHY	22.35	2100	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-6(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011

Sample wt/vol: 30.7 (g/mL) G Lab File ID: S3B2110

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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	42	J
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	76	J
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	700	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	700	U
83-32-9	Acenaphthene	350	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-6(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011

Sample wt/vol: 30.7 (g/mL) G Lab File ID: S3B2110

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	700	U
100-02-7	4-Nitrophenol	700	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	700	U
534-52-1	4,6-Dinitro-2-methylphenol	700	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	700	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-6(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011

Sample wt/vol: 30.7 (g/mL) G Lab File ID: S3B2110

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted:09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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.		UNKNOWN	8.38	710	JB
2.		UNKNOWN	9.10	320	J
3.					
4.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-6(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2164

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/17/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/19/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	720	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	720	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	720	U
83-32-9	Acenaphthene	350	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-6(0-2)RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2164

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/17/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/19/01

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	720	U
100-02-7	4-Nitrophenol	720	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	720	U
534-52-1	4,6-Dinitro-2-methylphenol	720	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	720	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	52	J
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

NST-6(0-2)RE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011RE

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2164

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 7 decanted: (Y/N) N Date Extracted: 09/17/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/19/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.13	480	JB
2.	872-05-9	1-DECENE	14.53	680	NJ
3.		UNKNOWN	17.46	260	J
4.		UNKNOWN	18.35	270	J
5.		UNKNOWN	19.20	320	J
6.	103-23-1	HEXANEDIOIC ACID, BIS(2-ETHY	22.35	930	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-6(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905012

Sample wt/vol: 30.7 (g/mL) G Lab File ID: S3B2111

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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	320	U
111-44-4	bis(2-Chloroethyl)Ether	320	U
95-57-8	2-Chlorophenol	320	U
541-73-1	1,3-Dichlorobenzene	320	U
106-46-7	1,4-Dichlorobenzene	320	U
95-50-1	1,2-Dichlorobenzene	320	U
95-48-7	2-Methylphenol	320	U
108-60-1	2,2'-oxybis(1-Chloropropane)	320	U
106-44-5	4-Methylphenol	320	U
621-64-7	N-Nitroso-di-n-propylamine	320	U
67-72-1	Hexachloroethane	320	U
98-95-3	Nitrobenzene	320	U
78-59-1	Isophorone	320	U
88-75-5	2-Nitrophenol	320	U
105-67-9	2,4-Dimethylphenol	320	U
120-83-2	2,4-Dichlorophenol	320	U
120-82-1	1,2,4-Trichlorobenzene	320	U
91-20-3	Naphthalene	320	U
106-47-8	4-Chloroaniline	320	U
111-91-1	bis(2-Chloroethoxy)methane	320	U
87-68-3	Hexachlorobutadiene	320	U
59-50-7	4-Chloro-3-Methylphenol	320	U
91-57-6	2-Methylnaphthalene	320	U
77-47-4	Hexachlorocyclopentadiene	320	U
88-06-2	2,4,6-Trichlorophenol	320	U
95-95-4	2,4,5-Trichlorophenol	660	U
91-58-7	2-Chloronaphthalene	320	U
88-74-4	2-Nitroaniline	660	U
131-11-3	Dimethylphthalate	320	U
208-96-8	Acenaphthylene	320	U
606-20-2	2,6-Dinitrotoluene	320	U
99-09-2	3-Nitroaniline	660	U
83-32-9	Acenaphthene	320	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-6(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905012

Sample wt/vol: 30.7 (g/mL) G Lab File ID: S3B2111

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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	660	U
100-02-7	4-Nitrophenol	660	U
132-64-9	Dibenzofuran	320	U
121-14-2	2,4-Dinitrotoluene	320	U
84-66-2	Diethylphthalate	320	U
7005-72-3	4-Chlorophenyl-phenylether	320	U
86-73-7	Fluorene	320	U
100-01-6	4-Nitroaniline	660	U
534-52-1	4,6-Dinitro-2-methylphenol	660	U
86-30-6	N-Nitrosodiphenylamine (1)	320	U
101-55-3	4-Bromophenyl-phenylether	320	U
118-74-1	Hexachlorobenzene	320	U
87-86-5	Pentachlorophenol	660	U
85-01-8	Phenanthrene	320	U
120-12-7	Anthracene	320	U
86-74-8	Carbazole	320	U
84-74-2	Di-n-butylphthalate	320	U
206-44-0	Fluoranthene	320	U
129-00-0	Pyrene	320	U
85-68-7	Butylbenzylphthalate	320	U
91-94-1	3,3'-Dichlorobenzidine	320	U
56-55-3	Benzo(a)anthracene	320	U
218-01-9	Chrysene	320	U
117-81-7	bis(2-Ethylhexyl)phthalate	320	U
117-84-0	Di-n-octylphthalate	320	U
205-99-2	Benzo(b)fluoranthene	320	U
207-08-9	Benzo(k)fluoranthene	320	U
50-32-8	Benzo(a)pyrene	320	U
193-39-5	Indeno(1,2,3-cd)pyrene	320	U
53-70-3	Dibenzo(a,h)anthracene	320	U
191-24-2	Benzo(g,h,i)perylene	320	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-6(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905012

Sample wt/vol: 30.7 (g/mL) G Lab File ID: S3B2111

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 1 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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.		UNKNOWN	8.38	330	JB
2.		UNKNOWN	22.61	1100	J
3.					
4.					
5.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-7(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905013

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3B2112

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 2 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2,2'-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-di-n-propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
111-91-1	bis(2-Chloroethoxy)methane	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	670	U
83-32-9	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-7(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905013

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3B2112

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 2 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	670	U
100-02-7	4-Nitrophenol	670	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
86-74-8	Carbazole	330	U
84-74-2	Di-n-butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	U
117-84-0	Di-n-octylphthalate	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenzo(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-7(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905013

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3B2112

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 2 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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.		UNKNOWN	8.37	270	JB
2.	112-53-8	1-DODECANOL	14.78	390	NJ
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-7(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905014

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3B2116

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 5 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)Ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-Methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	700	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	700	U
83-32-9	Acenaphthene	350	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-7(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905014

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3B2116

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 5 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	700	U
100-02-7	4-Nitrophenol	700	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	700	U
534-52-1	4,6-Dinitro-2-methylphenol	700	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	700	U
85-01-8	Phenanthrene	350	
120-12-7	Anthracene	70	J
86-74-8	Carbazole	40	J
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	450	
129-00-0	Pyrene	310	J
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	170	J
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	210	J
207-08-9	Benzo(k)fluoranthene	72	J
50-32-8	Benzo(a)pyrene	120	J
193-39-5	Indeno(1,2,3-cd)pyrene	99	J
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	91	J

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-7(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905014

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3B2116

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 5 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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.		UNKNOWN	8.37	400	JB
2.	103-23-1	HEXANEDIOIC ACID, BIS(2-ETHY	22.61	520	NJ
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905015

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3B2165

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted: 09/17/01

Concentrated Extract Volume: 2500(uL) Date Analyzed: 09/19/01

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	840	U
111-44-4	bis(2-Chloroethyl)Ether	840	U
95-57-8	2-Chlorophenol	840	U
541-73-1	1,3-Dichlorobenzene	840	U
106-46-7	1,4-Dichlorobenzene	840	U
95-50-1	1,2-Dichlorobenzene	840	U
95-48-7	2-Methylphenol	840	U
108-60-1	2,2'-oxybis(1-Chloropropane)	840	U
106-44-5	4-Methylphenol	840	U
621-64-7	N-Nitroso-di-n-propylamine	840	U
67-72-1	Hexachloroethane	840	U
98-95-3	Nitrobenzene	840	U
78-59-1	Isophorone	840	U
88-75-5	2-Nitrophenol	840	U
105-67-9	2,4-Dimethylphenol	840	U
120-83-2	2,4-Dichlorophenol	840	U
120-82-1	1,2,4-Trichlorobenzene	840	U
91-20-3	Naphthalene	840	U
106-47-8	4-Chloroaniline	840	U
111-91-1	bis(2-Chloroethoxy)methane	840	U
87-68-3	Hexachlorobutadiene	840	U
59-50-7	4-Chloro-3-Methylphenol	840	U
91-57-6	2-Methylnaphthalene	840	U
77-47-4	Hexachlorocyclopentadiene	840	U
88-06-2	2,4,6-Trichlorophenol	840	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	840	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	840	U
208-96-8	Acenaphthylene	840	U
606-20-2	2,6-Dinitrotoluene	840	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	840	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905015

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3B2165

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted: 09/17/01

Concentrated Extract Volume: 2500(uL) Date Analyzed: 09/19/01

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	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	140	J
121-14-2	2,4-Dinitrotoluene	840	U
84-66-2	Diethylphthalate	330	J
7005-72-3	4-Chlorophenyl-phenylether	840	U
86-73-7	Fluorene	840	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	840	U
101-55-3	4-Bromophenyl-phenylether	840	U
118-74-1	Hexachlorobenzene	840	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	910	
120-12-7	Anthracene	840	U
86-74-8	Carbazole	840	U
84-74-2	Di-n-butylphthalate	150	J
206-44-0	Fluoranthene	470	J
129-00-0	Pyrene	280	J
85-68-7	Butylbenzylphthalate	840	U
91-94-1	3,3'-Dichlorobenzidine	840	U
56-55-3	Benzo(a)anthracene	840	U
218-01-9	Chrysene	840	U
117-81-7	bis(2-Ethylhexyl)phthalate	840	U
117-84-0	Di-n-octylphthalate	840	U
205-99-2	Benzo(b)fluoranthene	840	U
207-08-9	Benzo(k)fluoranthene	840	U
50-32-8	Benzo(a)pyrene	840	U
193-39-5	Indeno(1,2,3-cd)pyrene	840	U
53-70-3	Dibenzo(a,h)anthracene	840	U
191-24-2	Benzo(g,h,i)perylene	840	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905015

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3B2165

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted: 09/17/01

Concentrated Extract Volume: 2500(uL) Date Analyzed: 09/19/01

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.		UNKNOWN	8.37	880	JB
2.		UNKNOWN	12.83	740	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-8RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905015RE

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S3B2385

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted: 09/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/27/01

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	1700	U
111-44-4	bis(2-Chloroethyl)Ether	1700	U
95-57-8	2-Chlorophenol	1700	U
541-73-1	1,3-Dichlorobenzene	1700	U
106-46-7	1,4-Dichlorobenzene	1700	U
95-50-1	1,2-Dichlorobenzene	1700	U
95-48-7	2-Methylphenol	1700	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1700	U
106-44-5	4-Methylphenol	1700	U
621-64-7	N-Nitroso-di-n-propylamine	1700	U
67-72-1	Hexachloroethane	1700	U
98-95-3	Nitrobenzene	1700	U
78-59-1	Isophorone	1700	U
88-75-5	2-Nitrophenol	1700	U
105-67-9	2,4-Dimethylphenol	1700	U
120-83-2	2,4-Dichlorophenol	1700	U
120-82-1	1,2,4-Trichlorobenzene	1700	U
91-20-3	Naphthalene	1700	U
106-47-8	4-Chloroaniline	1700	U
111-91-1	bis(2-Chloroethoxy)methane	1700	U
87-68-3	Hexachlorobutadiene	1700	U
59-50-7	4-Chloro-3-Methylphenol	1700	U
91-57-6	2-Methylnaphthalene	1700	U
77-47-4	Hexachlorocyclopentadiene	1700	U
88-06-2	2,4,6-Trichlorophenol	1700	U
95-95-4	2,4,5-Trichlorophenol	3400	U
91-58-7	2-Chloronaphthalene	1700	U
88-74-4	2-Nitroaniline	3400	U
131-11-3	Dimethylphthalate	1700	U
208-96-8	Acenaphthylene	1700	U
606-20-2	2,6-Dinitrotoluene	1700	U
99-09-2	3-Nitroaniline	3400	U
83-32-9	Acenaphthene	1700	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NST-8RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905015RE

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S3B2385

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted: 09/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/27/01

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	3400	U
100-02-7	4-Nitrophenol	3400	U
132-64-9	Dibenzofuran	1700	U
121-14-2	2,4-Dinitrotoluene	1700	U
84-66-2	Diethylphthalate	1700	U
7005-72-3	4-Chlorophenyl-phenylether	1700	U
86-73-7	Fluorene	1700	U
100-01-6	4-Nitroaniline	3400	U
534-52-1	4,6-Dinitro-2-methylphenol	3400	U
86-30-6	N-Nitrosodiphenylamine (1)	1700	U
101-55-3	4-Bromophenyl-phenylether	1700	U
118-74-1	Hexachlorobenzene	1700	U
87-86-5	Pentachlorophenol	3400	U
85-01-8	Phenanthrene	1100	J
120-12-7	Anthracene	1700	U
86-74-8	Carbazole	190	J
84-74-2	Di-n-butylphthalate	270	J
206-44-0	Fluoranthene	1400	J
129-00-0	Pyrene	950	J
85-68-7	Butylbenzylphthalate	1700	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)anthracene	380	J
218-01-9	Chrysene	580	J
117-81-7	bis(2-Ethylhexyl)phthalate	980	JB
117-84-0	Di-n-octylphthalate	1700	U
205-99-2	Benzo(b)fluoranthene	1700	U
207-08-9	Benzo(k)fluoranthene	1700	U
50-32-8	Benzo(a)pyrene	1700	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	J
53-70-3	Dibenzo(a,h)anthracene	1700	U
191-24-2	Benzo(g,h,i)perylene	370	J

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NST-8RE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905015RE

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S3B2385

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: 3 decanted: (Y/N) N Date Extracted:09/25/01

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/27/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

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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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3ALCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: S0911-LS2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2108

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1300	
111-44-4	bis(2-Chloroethyl)Ether	1200	
95-57-8	2-Chlorophenol	1300	
541-73-1	1,3-Dichlorobenzene	1200	
106-46-7	1,4-Dichlorobenzene	1200	
95-50-1	1,2-Dichlorobenzene	1200	
95-48-7	2-Methylphenol	1200	
108-60-1	2,2'-oxybis(1-Chloropropane)	1200	
106-44-5	4-Methylphenol	1300	
621-64-7	N-Nitroso-di-n-propylamine	1200	
67-72-1	Hexachloroethane	1100	
98-95-3	Nitrobenzene	1200	
78-59-1	Isophorone	1100	
88-75-5	2-Nitrophenol	1200	
105-67-9	2,4-Dimethylphenol	840	
120-83-2	2,4-Dichlorophenol	1300	
120-82-1	1,2,4-Trichlorobenzene	1200	
91-20-3	Naphthalene	1200	
106-47-8	4-Chloroaniline	880	
111-91-1	bis(2-Chloroethoxy)methane	1200	
87-68-3	Hexachlorobutadiene	1100	
59-50-7	4-Chloro-3-Methylphenol	1300	
91-57-6	2-Methylnaphthalene	1300	
77-47-4	Hexachlorocyclopentadiene	560	
88-06-2	2,4,6-Trichlorophenol	1200	
95-95-4	2,4,5-Trichlorophenol	1200	
91-58-7	2-Chloronaphthalene	1200	
88-74-4	2-Nitroaniline	1200	
131-11-3	Dimethylphthalate	1300	
208-96-8	Acenaphthylene	1300	
606-20-2	2,6-Dinitrotoluene	1200	
99-09-2	3-Nitroaniline	1200	
83-32-9	Acenaphthene	1200	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3ALCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: S0911-LS2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2108

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

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

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	1500	
100-02-7	4-Nitrophenol	1200	
132-64-9	Dibenzofuran	1300	
121-14-2	2,4-Dinitrotoluene	1300	
84-66-2	Diethylphthalate	1300	
7005-72-3	4-Chlorophenyl-phenylether	1200	
86-73-7	Fluorene	1300	
100-01-6	4-Nitroaniline	1200	
534-52-1	4,6-Dinitro-2-methylphenol	1300	
86-30-6	N-Nitrosodiphenylamine (1)	1300	
101-55-3	4-Bromophenyl-phenylether	1200	
118-74-1	Hexachlorobenzene	1300	
87-86-5	Pentachlorophenol	1100	
85-01-8	Phenanthrene	1300	
120-12-7	Anthracene	1300	
86-74-8	Carbazole	1300	
84-74-2	Di-n-butylphthalate	1200	
206-44-0	Fluoranthene	1300	
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	1200	
91-94-1	3,3'-Dichlorobenzidine	850	
56-55-3	Benzo(a)anthracene	1200	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)phthalate	1200	
117-84-0	Di-n-octylphthalate	1100	
205-99-2	Benzo(b)fluoranthene	1200	
207-08-9	Benzo(k)fluoranthene	1200	
50-32-8	Benzo(a)pyrene	1200	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenzo(a,h)anthracene	1300	
191-24-2	Benzo(g,h,i)perylene	1300	

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3ELCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: S0916-LS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2155

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/16/01

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/18/01

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1300	
111-44-4	bis(2-Chloroethyl)Ether	1300	
95-57-8	2-Chlorophenol	1400	
541-73-1	1,3-Dichlorobenzene	1300	
106-46-7	1,4-Dichlorobenzene	1400	
95-50-1	1,2-Dichlorobenzene	1400	
95-48-7	2-Methylphenol	1400	
108-60-1	2,2'-oxybis(1-Chloropropane)	1000	
106-44-5	4-Methylphenol	1400	
621-64-7	N-Nitroso-di-n-propylamine	1300	
67-72-1	Hexachloroethane	1300	
98-95-3	Nitrobenzene	1300	
78-59-1	Isophorone	1200	
88-75-5	2-Nitrophenol	1400	
105-67-9	2,4-Dimethylphenol	1400	
120-83-2	2,4-Dichlorophenol	1500	
120-82-1	1,2,4-Trichlorobenzene	1500	
91-20-3	Naphthalene	1400	
106-47-8	4-Chloroaniline	790	
111-91-1	bis(2-Chloroethoxy)methane	1400	
87-68-3	Hexachlorobutadiene	1400	
59-50-7	4-Chloro-3-Methylphenol	1500	
91-57-6	2-Methylnaphthalene	1500	
77-47-4	Hexachlorocyclopentadiene	800	
88-06-2	2,4,6-Trichlorophenol	1600	
95-95-4	2,4,5-Trichlorophenol	1600	
91-58-7	2-Chloronaphthalene	1600	
88-74-4	2-Nitroaniline	1400	
131-11-3	Dimethylphthalate	1600	
208-96-8	Acenaphthylene	1600	
606-20-2	2,6-Dinitrotoluene	1600	
99-09-2	3-Nitroaniline	1200	
83-32-9	Acenaphthene	1600	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3ELCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: S0916-LS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2155

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/16/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/18/01

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	2300	
100-02-7	4-Nitrophenol	1500	
132-64-9	Dibenzofuran	1600	
121-14-2	2,4-Dinitrotoluene	1600	
84-66-2	Diethylphthalate	1600	
7005-72-3	4-Chlorophenyl-phenylether	1600	
86-73-7	Fluorene	1600	
100-01-6	4-Nitroaniline	1400	
534-52-1	4,6-Dinitro-2-methylphenol	1800	
86-30-6	N-Nitrosodiphenylamine (1)	1700	
101-55-3	4-Bromophenyl-phenylether	1600	
118-74-1	Hexachlorobenzene	1600	
87-86-5	Pentachlorophenol	1500	
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	1600	
86-74-8	Carbazole	1700	
84-74-2	Di-n-butylphthalate	1600	
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	1700	
85-68-7	Butylbenzylphthalate	1600	
91-94-1	3,3'-Dichlorobenzidine	1100	
56-55-3	Benzo(a)anthracene	1700	
218-01-9	Chrysene	1700	
117-81-7	bis(2-Ethylhexyl)phthalate	1700	
117-84-0	Di-n-octylphthalate	1700	
205-99-2	Benzo(b)fluoranthene	1700	
207-08-9	Benzo(k)fluoranthene	1700	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	1700	
53-70-3	Dibenzo(a,h)anthracene	1700	
191-24-2	Benzo(g,h,i)perylene	1700	

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3FLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: S0917-LS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2156

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/17/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/18/01

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	1200	
111-44-4	bis(2-Chloroethyl)Ether	1300	
95-57-8	2-Chlorophenol	1400	
541-73-1	1,3-Dichlorobenzene	1300	
106-46-7	1,4-Dichlorobenzene	1300	
95-50-1	1,2-Dichlorobenzene	1400	
95-48-7	2-Methylphenol	1300	
108-60-1	2,2'-oxybis(1-Chloropropane)	1000	
106-44-5	4-Methylphenol	1300	
621-64-7	N-Nitroso-di-n-propylamine	1300	
67-72-1	Hexachloroethane	1300	
98-95-3	Nitrobenzene	1300	
78-59-1	Isophorone	1100	
88-75-5	2-Nitrophenol	1400	
105-67-9	2,4-Dimethylphenol	1200	
120-83-2	2,4-Dichlorophenol	1500	
120-82-1	1,2,4-Trichlorobenzene	1400	
91-20-3	Naphthalene	1400	
106-47-8	4-Chloroaniline	840	
111-91-1	bis(2-Chloroethoxy)methane	1400	
87-68-3	Hexachlorobutadiene	1400	
59-50-7	4-Chloro-3-Methylphenol	1400	
91-57-6	2-Methylnaphthalene	1500	
77-47-4	Hexachlorocyclopentadiene	760	
88-06-2	2,4,6-Trichlorophenol	1600	
95-95-4	2,4,5-Trichlorophenol	1600	
91-58-7	2-Chloronaphthalene	1500	
88-74-4	2-Nitroaniline	1400	
131-11-3	Dimethylphthalate	1600	
208-96-8	Acenaphthylene	1500	
606-20-2	2,6-Dinitrotoluene	1600	
99-09-2	3-Nitroaniline	1300	
83-32-9	Acenaphthene	1500	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3FLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: S0917-LS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2156

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/17/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/18/01

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	2300	
100-02-7	4-Nitrophenol	1500	
132-64-9	Dibenzofuran	1600	
121-14-2	2,4-Dinitrotoluene	1600	
84-66-2	Diethylphthalate	1600	
7005-72-3	4-Chlorophenyl-phenylether	1600	
86-73-7	Fluorene	1600	
100-01-6	4-Nitroaniline	1400	
534-52-1	4,6-Dinitro-2-methylphenol	1800	
86-30-6	N-Nitrosodiphenylamine (1)	1600	
101-55-3	4-Bromophenyl-phenylether	1500	
118-74-1	Hexachlorobenzene	1500	
87-86-5	Pentachlorophenol	1400	
85-01-8	Phenanthrene	1600	
120-12-7	Anthracene	1600	
86-74-8	Carbazole	1600	
84-74-2	Di-n-butylphthalate	1600	
206-44-0	Fluoranthene	1600	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	1600	
91-94-1	3,3'-Dichlorobenzidine	1100	
56-55-3	Benzo(a)anthracene	1600	
218-01-9	Chrysene	1600	
117-81-7	bis(2-Ethylhexyl)phthalate	1600	
117-84-0	Di-n-octylphthalate	1600	
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	1600	
50-32-8	Benzo(a)pyrene	1600	
193-39-5	Indeno(1,2,3-cd)pyrene	1700	
53-70-3	Dibenzo(a,h)anthracene	1700	
191-24-2	Benzo(g,h,i)perylene	1700	

(1) - Cannot be separated from Diphenylamine

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3WLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: S0925-LS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2384

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

% Moisture: 0 decanted: (Y/N) N Date Extracted:09/25/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/27/01

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	1200	
111-44-4	bis(2-Chloroethyl)Ether	1200	
95-57-8	2-Chlorophenol	1400	
541-73-1	1,3-Dichlorobenzene	1300	
106-46-7	1,4-Dichlorobenzene	1300	
95-50-1	1,2-Dichlorobenzene	1300	
95-48-7	2-Methylphenol	1200	
108-60-1	2,2'-oxybis(1-Chloropropane)	1000	
106-44-5	4-Methylphenol	1200	
621-64-7	N-Nitroso-di-n-propylamine	1200	
67-72-1	Hexachloroethane	1300	
98-95-3	Nitrobenzene	1300	
78-59-1	Isophorone	970	
88-75-5	2-Nitrophenol	1400	
105-67-9	2,4-Dimethylphenol	1000	
120-83-2	2,4-Dichlorophenol	1400	
120-82-1	1,2,4-Trichlorobenzene	1400	
91-20-3	Naphthalene	1400	
106-47-8	4-Chloroaniline	670	
111-91-1	bis(2-Chloroethoxy)methane	1300	
87-68-3	Hexachlorobutadiene	1400	
59-50-7	4-Chloro-3-Methylphenol	1300	
91-57-6	2-Methylnaphthalene	1400	
77-47-4	Hexachlorocyclopentadiene	440	
88-06-2	2,4,6-Trichlorophenol	1500	
95-95-4	2,4,5-Trichlorophenol	1400	
91-58-7	2-Chloronaphthalene	1400	
88-74-4	2-Nitroaniline	1300	
131-11-3	Dimethylphthalate	1500	
208-96-8	Acenaphthylene	1400	
606-20-2	2,6-Dinitrotoluene	1900	
99-09-2	3-Nitroaniline	1100	
83-32-9	Acenaphthene	1400	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3WLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: S0925-LS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2384

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

% Moisture: 0 decanted: (Y/N) N Date Extracted: 09/25/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/27/01

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	1500	
100-02-7	4-Nitrophenol	1400	
132-64-9	Dibenzofuran	1500	
121-14-2	2,4-Dinitrotoluene	1500	
84-66-2	Diethylphthalate	1400	
7005-72-3	4-Chlorophenyl-phenylether	1500	
86-73-7	Fluorene	1500	
100-01-6	4-Nitroaniline	1300	
534-52-1	4,6-Dinitro-2-methylphenol	1500	
86-30-6	N-Nitrosodiphenylamine (1)	1500	
101-55-3	4-Bromophenyl-phenylether	1400	
118-74-1	Hexachlorobenzene	1400	
87-86-5	Pentachlorophenol	1200	
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	1400	
86-74-8	Carbazole	1500	
84-74-2	Di-n-butylphthalate	1500	
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1500	
85-68-7	Butylbenzylphthalate	1400	
91-94-1	3,3'-Dichlorobenzidine	890	
56-55-3	Benzo(a)anthracene	1500	
218-01-9	Chrysene	1500	
117-81-7	bis(2-Ethylhexyl)phthalate	1500	B
117-84-0	Di-n-octylphthalate	1400	
205-99-2	Benzo(b)fluoranthene	1500	
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	1400	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
53-70-3	Dibenzo(a,h)anthracene	1500	
191-24-2	Benzo(g,h,i)perylene	1500	

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLK3A

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: S0911-BS2

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S3B2107

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

% Moisture: _____ decanted: (Y/N)___ Date Extracted:09/11/01

Concentrated Extract Volume: 1000(uL) Date Analyzed: 09/15/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 1

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	8.38	430	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-1(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905001

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E3D2913F

% Moisture: 5 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/13/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-1(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905002

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E3D2941F

% Moisture: 7 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-2(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905003

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E3D2942F

% Moisture: 3 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) PFE Date Extracted: 09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	34	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-2(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905004

Sample wt/vol: 30.8 (g/mL) G Lab File ID: E3D2922F

% Moisture: 0 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/13/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	32	U
11104-28-2	Aroclor-1221	32	U
11141-16-5	Aroclor-1232	32	U
53469-21-9	Aroclor-1242	32	U
12672-29-6	Aroclor-1248	32	U
11097-69-1	Aroclor-1254	32	U
11096-82-5	Aroclor-1260	32	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-3(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905005

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E3D2923F

% Moisture: 1 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-3(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905006

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E3D2924F

% Moisture: 1 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	34	
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-3(2-4)MS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905016

Sample wt/vol: 30.7 (g/mL) G Lab File ID: E3D2925F

% Moisture: 1 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	220	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	42	P
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	190	P

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-3(2-4)MSD

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905017

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E3D2926F

% Moisture: 1 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	220	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	59	
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	180	P

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-4(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905007

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E3D2927F

% Moisture: 7 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-4(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905008

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E3D2928F

% Moisture: 19 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	41	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	41	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-5(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905009

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E3D2929F

% Moisture: 8 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-5(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905010

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E3D2930F

% Moisture: 4 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	35	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	35	U
12672-29-6	Aroclor-1248	35	U
11097-69-1	Aroclor-1254	35	U
11096-82-5	Aroclor-1260	35	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-6(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905011

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E3D2931F

% Moisture: 7 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	36	U
11104-28-2	Aroclor-1221	36	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	36	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	36	U
11096-82-5	Aroclor-1260	36	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-6(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905012

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E3D2938F

% Moisture: 1 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	34	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-7(0-2)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905013

Sample wt/vol: 30.6 (g/mL) G Lab File ID: E3D2939F

% Moisture: 2 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-7(2-4)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905014

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E3D2940F

% Moisture: 5 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/14/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	34	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

NST-8

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: 81905015

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E3D3018F

% Moisture: 3 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/17/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/18/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	34	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	34	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	34	U
11096-82-5	Aroclor-1260	34	U

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B3ALCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: B0911-LS3

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E3D2907F

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:09/11/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/13/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	230	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	240	

FORM 1
PCB ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

B3BLCS

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix: (soil/water) SOIL Lab Sample ID: B0917-LS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E3D3017F

% Moisture: 0 decanted: (Y/N) N Date Received: 09/05/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/17/01

Concentrated Extract Volume: 10000(uL) Date Analyzed: 09/18/01

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	310	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	300	

NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.
NST-1(0-2)

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 81905__

Matrix (soil/water): SOIL____ Lab Sample ID: 81905001_____

Level (low/med): MED____ Date Received: 09/05/01____

% Solids: 97.0____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	2.5		*	P
7440-39-3	Barium	8.8	B	*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.023	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	4.1			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	1.8			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.30	U	N	P
7440-22-4	Silver	0.050	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-1(2-4)

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix (soil/water): SOIL Lab Sample ID: 81905002

Level (low/med): MED Date Received: 09/05/01

% Solids: 93.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	2.1		*	P
7440-39-3	Barium	8.5	B	*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.053	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.8			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	12.8			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.30	U	N	P
7440-22-4	Silver	0.050	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:

NYSDEC - ASP

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-2(0-2)

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 81905___

Matrix (soil/water): SOIL____ Lab Sample ID: 81905003_____

Level (low/med): MED____ Date Received: 09/05/01____

% Solids: 97.0____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	2.1		*	P
7440-39-3	Barium	10.3		*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.050	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.8			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	3.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.047	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

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NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-2(2-4)

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix (soil/water): SOIL Lab Sample ID: 81905004

Level (low/med): MED Date Received: 09/05/01

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.79	B	*	P
7440-39-3	Barium	4.1	B	*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.020	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	3.4			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	0.96			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.013	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.30	U	N	P
7440-22-4	Silver	0.050	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

olor Before: Clarity Before: Texture:

olor After: Clarity After: Artifacts:

omments:

NYSDEC - ASP
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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-3(0-2)

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix (soil/water): SOIL Lab Sample ID: 81905005

Level (low/med): MED Date Received: 09/05/01

% Solids: 99.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	1.2		*	P
7440-39-3	Barium	9.6		*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.41			P
7440-70-2	Calcium				NR
7440-47-3	Chromium	3.6			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	2.0			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.015	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.043	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: Clarity Before: Texture:

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NYSDEC - ASP
1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-3(2-4)

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 81905

Matrix (soil/water): SOIL____ Lab Sample ID: 81905006_____

Level (low/med): MED____ Date Received: 09/05/01____

% Solids: 99.0____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.72	B	*	P
7440-39-3	Barium	3.0	B	*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.36			P
7440-70-2	Calcium				NR
7440-47-3	Chromium	2.3			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.046	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-4(0-2)

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 81905___

Matrix (soil/water): SOIL____ Lab Sample ID: 81905007_____

Level (low/med): MED____ Date Received: 09/05/01___

% Solids: 93.0____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.47	B	*	P
7440-39-3	Barium	28.4		*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.14	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.6			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	3.5			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.30	U	N	P
7440-22-4	Silver	0.18	B	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-4(2-4)

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix (soil/water): SOIL Lab Sample ID: 81905008

Level (low/med): MED Date Received: 09/05/01

% Solids: 81.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	1.8		*	P
7440-39-3	Barium	5.6	B	*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.024	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	2.7			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	1.3			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.020	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.36	U	N	P
7440-22-4	Silver	0.059	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-5(0-2)

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 81905___

Matrix (soil/water): SOIL____ Lab Sample ID: 81905009_____

Level (low/med): MED____ Date Received: 09/05/01____

% Solids: 92.0____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	3.3		*	P
7440-39-3	Barium	26.8		*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.14	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	12.7			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	4.6			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.30	U	N	P
7440-22-4	Silver	0.050	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-5(2-4)

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 81905___

Matrix (soil/water): SOIL____ Lab Sample ID: 81905010_____

Level (low/med): MED____ Date Received: 09/05/01____

% Solids: 96.0____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	1.7		*	P
7440-39-3	Barium	12.5		*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.066	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	11.3			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	3.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.27	U	N	P
7440-22-4	Silver	0.046	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-6(0-2)

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix (soil/water): SOIL Lab Sample ID: 81905011

Level (low/med): MED Date Received: 09/05/01

% Solids: 93.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	3.3		*	P
7440-39-3	Barium	17.0		*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.12	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	7.4			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	3.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.016	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29	U	N	P
7440-22-4	Silver	0.049	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-6(2-4)

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix (soil/water): SOIL Lab Sample ID: 81905012

Level (low/med): MED Date Received: 09/05/01

% Solids: 99.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	1.4		*	P
7440-39-3	Barium	6.3	B	*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.031	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	7.6			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.014	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.26	U	N	P
7440-22-4	Silver	0.044	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-7(0-2)

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 81905__

Matrix (soil/water): SOIL____ Lab Sample ID: 81905013_____

Level (low/med): MED____ Date Received: 09/05/01____

% Solids: 98.0____

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	1.7		*	P
7440-39-3	Barium	10.4		*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.072	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	3.9			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	4.1			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.015	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.30	U	N	P
7440-22-4	Silver	0.050	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-7(2-4)

Lab Name: MITKEM_CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: 81905

Matrix (soil/water): SOIL Lab Sample ID: 81905014

Level (low/med): MED Date Received: 09/05/01

% Solids: 95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	1.5		*	P
7440-39-3	Barium	10.6		*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.12	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.9			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	2.2			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.28	U	N	P
7440-22-4	Silver	0.047	U	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

NST-8

Lab Name: MITKEM_CORPORATION_____ Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: 81905__

Matrix (soil/water): SOIL____ Lab Sample ID: 81905015_____

Level (low/med): MED____ Date Received: 09/05/01____

% Solids: 97.0_ ___

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.097	U	*	P
7440-39-3	Barium	47.7		*	P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	23.2			P
7440-70-2	Calcium				NR
7440-47-3	Chromium	15100			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	4.1			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.29	U	N	P
7440-22-4	Silver	0.35	B	N	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

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