ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
POWER CITY WAREHOUSE

Client: EA Engineering, Science and Technology, Syracuse, New York
SDG: MG1710
Laboratory: Mitkem Laboratories, Warwick, Rhode Island
Site: Power City Warehouse, New York
Date: November 26, 2008

VOC/SVOC			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	9-32-131-SB-010(6-8)	G1710-02	Soil
2	9-32-131-SB-060 (5-6)	G1710-08	Soil
3	DUPLICATE-01	G1710-10	Soil
4	9-32-131-SB-09D(6-7)	G1710-13	Soil
5	9-32-131-SB-120(6-7)	G1710-17	Soil
6	9-32-131-SB-130(6-7)	G1710-19	Soil

METALS			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	9-32-131-SB-01S	G1710-01	Soil
2	9-32-131-SB-02S	G1710-03	Soil
2MS	9-32-131-SB-02SMS	G1710-03MS	Soil
2MSD	9-32-131-SB-02SMSD	G1710-03MSD	Soil
3	9-32-131-SB-03S	G1710-04	Soil
4	9-32-131-SB-04S	G1710-05	Soil
5	9-32-131-SB-05S	G1710-06	Soil
6	9-32-131-SB-06S	G1710-07	Soil
7	9-32-131-SB-07S	G1710-09	Soil
8	9-32-131-SB-08S	G1710-11	Soil
9	9-32-131-BB-09S	G1710-12	Soil
10	9-32-131-SB-10S	G1710-14	Soil
11	9-32-131-SB-11S	G1710-15	Soil
12	9-32-131-SB-12S	G1710-16	Soil
13	9-32-131-SB-13S	G1710-18	Soil
14	9-32-131-SB-14S	G1710-20	Soil

Deliverables

A Data Usability Summary Review was performed on the analytical data for twenty soil samples, and one water sample collected by EA Engineering at the Power City Warehouse Site in New York. The samples were analyzed under Environmental Protection Agency (USEPA) *"Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions"*.

Specific method references are as follows:

Analysis	*Method References*
VOC	USEPA SW-846 Method 8260B
SVOC	USEPA SW-846 Method 8270C
Metals	USEPA SW-846 Method 6010B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-24, Revision 2, October 2006: Validating Volatile Organic Compounds by SW-846 Method 8260B;
- SOP Number HW-22, Revision 3, October 2006: Validating Semivolatile Organic Compounds by GC/MS, SW-846 Method 8270D;
- SOP Number HW-2, Revision 13, September 2006: Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO5.3;
- And the reviewer's professional judgment.

Organics

The following items/criteria were reviewed:

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample/Duplicate (LCS/LCSD) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Field Duplicate sample precision

Inorganics

The following items/criteria were reviewed:

- Data Completeness
- Holding times and sample preservation
- Initial and continuing calibration verifications
- Method blank and field blank contamination
- ICP interference check sample recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Lab Control Sample (LCS) recoveries
- ICP Serial Dilution results
- Compound Quantitation
- Field Duplicate sample precision

Overall Usability Issues:

There was one rejection of data.

- Two VOC compounds were rejected in all samples due to low initial calibration RRF values.

Overall the remaining data is acceptable for the intended purposes. Data were qualified for the following deficiencies.

- Positive VOC results were qualified as estimated (J) in one sample due to a high surrogate recovery.
- Three VOC compounds were qualified as estimated (UJ) in all samples due to high continuing calibration %D values.
- Two metals compounds were qualified as non-detected (U) in several samples due to method blank contamination.
- One metals compound was qualified as estimated (J/UJ) in all samples due to a low MS recovery.
- One metals compound was qualified as estimated (J) in all samples due to a high matrix duplicate RPD value.
- Twelve metals compounds were qualified as estimated (J) in all samples due to high ICP serial dilution %D values.
- Several metals compounds were qualified estimated (J) due to high field duplicate RPD values.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

VOC

Data Completeness

- All criteria were met.

Holding Times

- All criteria were met.

Surrogate Spike Recoveries

- The following table presents surrogate compound percent recoveries (%R) outside the QC limits. For a high %R, positive results are considered estimated and qualified (J).

Sample ID	Surrogate	%R	Qualifier
1	Bromofluorobenzene	111%	J - All positive results

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- A MS/MSD sample was not analyzed.

Laboratory Control Samples

- All LCS samples exhibited acceptable recoveries.

Method Blank

- The method blanks were free of contamination.

Trip, Field & Equipment Blank

- Field QC samples were not analyzed.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The following table lists compounds that exceeded 20 percent relative standard deviation (%RSD) and/or a mean RRF values <0.05 in the initial calibration (ICAL). For a high %RSD, positive results for these compounds in associated samples are considered estimated and qualified (J). All non-detect results for the compound of interest in the appropriate samples do not require qualification. A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives.

ICAL	Compound	Result %RSD/RRF	Qualifier	Affected Sample(s)
09/18/08	Acetone	23.8% RSD; 0.031 RRF	J/R	All samples
	2-Hexanone	25.8% RSD	None	All ND
	2-Butanone	0.035 RRF	J/R	All samples

Continuing Calibration

- The following table lists compounds that exceeded 20 percent deviation (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). For a high %D, positive results for these compounds in the associated samples are considered estimated and qualified (J) and all non-detect results are considered estimated and qualified (UJ).

CCAL	Compound	Result %D/RRF	Qualifier	Affected Sample(s)
10/03/08	Dichlorodifluoromethane	21.1% D	J/UJ	All samples
	Chloroethane	27.2% D	J/UJ	All samples
	1,1-Dichloroethene	24.8% D	J/UJ	All samples
	Acetone	0.028 RRF	None	See ICAL
	2-Butanone	0.039 RRF	None	See ICAL

Compound Quantitation

- All criteria were met.

Internal Standard (IS) Area Performance

- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not included in this data package.

SVOC

Data Completeness

- All criteria were met.

Holding Times

- All criteria were met.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate recoveries.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- A MS/MSD sample was not analyzed.

Laboratory Control Samples

- All LCS samples exhibited acceptable recoveries.

Method Blank

- The method blanks were free of contamination.

Field & Equipment Blank

- Field QC samples were not analyzed.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The following table lists compounds that exceeded 20 percent relative standard deviation (%RSD) and/or a mean RRF values <0.05 in the initial calibration (ICAL). For a high %RSD, positive results for these compounds in associated samples are considered estimated and qualified (J). All non-detect results for the compound of interest in the appropriate samples do not require qualification. A low RRF indicates poor instrument sensitivity for

these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives.

ICAL	Compound	Result %RSD/RRF	Qualifier	Affected Sample(s)
10/04/08	Hexachlorocyclopentadiene	27.8% RSD	None	All ND
	2,4-Dinitrophenol	37.5% RSD	None	All ND
	Benzo (k) fluoranthene	20.3% RSD	None	All ND

Continuing Calibration

- All %D and RRF criteria were met.

Compound Quantitation

- All criteria were met.

Internal Standard (IS) Area Performance

- All internal standards were within acceptable range.

Field Duplicate Sample Precision

- Field duplicate samples were not included in this data package.

METALS

Data Completeness

- All criteria were met.

Holding Times

- All criteria were met.

Calibration

- The ICV and CCV %R values were acceptable.

Method Blank

- The method blanks exhibited the following contamination.

Blank ID	Compound	Concentration mg/kg	Qualifier	Affected Samples
PBS	Mercury	0.006	U	1-6, 7, 9, 14
MB-39400	Antimony	0.294	U	1, 3, 4, 7, 9, 11, 13, 14

Field & Equipment Blank

- Field QC samples were not analyzed.

ICP Interference Check Sample

- All %R criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents matrix spike/matrix spike duplicate (MS/MSD) percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above the QC limits. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R or RPD, positive results are considered estimated and qualified (J).

MS/MSD ID	Compound	Deficiency MS %R/MSD%R/RPD	Qualifier	Affected Samples
2	Antimony	23.9%/Ok/Ok	J/UJ	All Samples
	Arsenic	Ok/Ok/37.9	J	All Samples

Laboratory Control Samples

- The LCS recoveries were acceptable.

ICP Serial Dilution

- The following table presents ICP serial dilution percent differences (%D) outside the QC limits. A high %D may indicate a potential high bias. Positive results are considered estimated and qualified (J).

ICP Sample ID	Compound	%D	Qualifier	Affected Samples
2	Aluminum	11%	J	All Samples
	Barium	16%	J	
	Beryllium	14%	J	
	Chromium	13%	J	
	Cobalt	18%	J	
	Magnesium	14%	J	
	Manganese	20%	J	
	Nickel	17%	J	
	Potassium	14%	J	
	Sodium	14%	J	
	Vanadium	12%	J	
	Zinc	19%	J	

Compound Quantitation

- All results reported with a (B) qualifier by the laboratory were further qualified as estimated (J) except those results already qualified. This indicates an estimated result between the MDL and RL.

Field Duplicate Sample Precision

- Field duplicate results are summarized below.

Compound	9-32-131-SB-08S mg/kg	DUPLICATE-02 mg/kg	RPD	Qualifier
Aluminum	7500	29800	120%	J
Antimony	30.9	0.65 U	NC	None
Arsenic	9.5	4.6	70%	None
Barium	90.1	227	86%	None
Beryllium	0.85	1.4	49%	None
Cadmium	0.59	0.27	74%	None
Calcium	40800	11500	112%	J
Chromium	10.1	32.0	104%	J
Cobalt	6.2	11.6	61%	None
Copper	85.9	20.3	124%	J
Iron	31000	39300	24%	None

Compound	9-32-131-SB-08S mg/kg	DUPLICATE-02 mg/kg	RPD	Qualifier
Lead	9410	115	195%	J
Magnesium	4320	7800	57%	None
Manganese	368	286	25%	None
Mercury	0.28	0.062	127%	J
Nickel	9.8	30.5	103%	J
Potassium	847	2280	92%	None
Silver	0.15	0.13 U	NC	None
Sodium	266	176	41%	None
Vanadium	12.9	42.1	106%	J
Zinc	168	210	22%	None

Package Summary:

All data are valid and usable as noted in this review.

Signed: Nancy Weaver Dated: 12/3/08

Nancy Weaver
Senior Chemist

Data Qualifiers

J	=	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
UJ	=	The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.
U	=	The analyte was analyzed for, but was not detected above the sample reporting limit.
R	=	The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-010(6-8)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-02B

Sample wt/vol: 5.20 (g/mL) G Lab File ID: V6G1258.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 25 Date Analyzed: 10/03/2008

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

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	6.4	~~U~~ UJ
74-87-3	Chloromethane	6.4	U
75-01-4	Vinyl chloride	6.4	U
74-83-9	Bromomethane	6.4	U
75-00-3	Chloroethane	6.4	~~U~~ UJ
75-69-4	Trichlorofluoromethane	6.4	U
75-35-4	1,1-Dichloroethene	6.4	~~U~~ UJ
67-64-1	Acetone	6.4	~~U~~ R
74-88-4	Iodomethane	6.4	U
75-15-0	Carbon disulfide	6.4	U
75-09-2	Methylene chloride	6.4	U
156-60-5	trans-1,2-Dichloroethene	6.4	U
1634-04-4	Methyl tert-butyl ether	6.4	U
75-34-3	1,1-Dichloroethane	6.4	U
108-05-4	Vinyl acetate	6.4	U
78-93-3	2-Butanone	6.4	~~U~~ R
156-59-2	cis-1,2-Dichloroethene	6.4	U
594-20-7	2,2-Dichloropropane	6.4	U
74-97-5	Bromochloromethane	6.4	U
67-66-3	Chloroform	6.4	U
71-55-6	1,1,1-Trichloroethane	6.4	U
563-58-6	1,1-Dichloropropene	6.4	U
56-23-5	Carbon tetrachloride	6.4	U
107-06-2	1,2-Dichloroethane	6.4	U
71-43-2	Benzene	6.4	U
79-01-6	Trichloroethene	6.4	U
78-87-5	1,2-Dichloropropane	6.4	U
74-95-3	Dibromomethane	6.4	U
75-27-4	Bromodichloromethane	6.4	U
10061-01-5	cis-1,3-Dichloropropene	6.4	U
108-10-1	4-Methyl-2-pentanone	6.4	U
108-88-3	Toluene	6.4	U
10061-02-6	trans-1,3-Dichloropropene	6.4	U
79-00-5	1,1,2-Trichloroethane	6.4	U
142-28-9	1,3-Dichloropropane	6.4	U

SW846

lW
11/24/08

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-010(6-8)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-02B

Sample wt/vol: 5.20 (g/mL) G Lab File ID: V6G1258.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 25 Date Analyzed: 10/03/2008

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

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	6.4	U
591-78-6	2-Hexanone	6.4	~~U~~ UJ
124-48-1	Dibromochloromethane	6.4	U
106-93-4	1,2-Dibromoethane	6.4	U
108-90-7	Chlorobenzene	6.4	U
630-20-6	1,1,1,2-Tetrachloroethane	6.4	U
100-41-4	Ethylbenzene	6.4	U
1330-20-7	m,p-Xylene	5.3	~~J~~ J
95-47-6	o-Xylene	6.4	U
1330-20-7	Xylene (Total)	5.3	~~J~~ J
100-42-5	Styrene	6.4	U
75-25-2	Bromoform	6.4	U
98-82-8	Isopropylbenzene	6.4	U
79-34-5	1,1,2,2-Tetrachloroethane	6.4	U
108-86-1	Bromobenzene	6.4	U
96-18-4	1,2,3-Trichloropropane	6.4	U
103-65-1	n-Propylbenzene	6.4	U
95-49-8	2-Chlorotoluene	6.4	U
108-67-8	1,3,5-Trimethylbenzene	74	J
106-43-4	4-Chlorotoluene	6.4	U
98-06-6	tert-Butylbenzene	6.4	U
95-63-6	1,2,4-Trimethylbenzene	100	J
135-98-8	sec-Butylbenzene	4.6	~~J~~ J
99-87-6	4-Isopropyltoluene	6.4	U
541-73-1	1,3-Dichlorobenzene	6.4	U
106-46-7	1,4-Dichlorobenzene	6.4	U
104-51-8	n-Butylbenzene	20	J
95-50-1	1,2-Dichlorobenzene	6.4	U
96-12-8	1,2-Dibromo-3-chloropropane	6.4	U
120-82-1	1,2,4-Trichlorobenzene	6.4	U
87-68-3	Hexachlorobutadiene	6.4	U
87-61-6	1,2,3-Trichlorobenzene	6.4	U
91-20-3	Naphthalene	6.4	U

SW846

MW 11/24/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
9-32-131-SB-010(6-8)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-02B

Sample wt/vol: 5.20 (g/mL) G Lab File ID: V6G1258.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 25 Date Analyzed: 10/03/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
01		Unknown-01	14.410	420	~~J~~	J
02	17301-23-4	Undecane, 2,6-dimethyl-	14.568	310	NJ	NJ
03		Unknown-02	14.616	340	J	J
04	4218-48-8	Benzene, 1-ethyl-4-(1-methyl	14.823	380	NJ	NJ
05		Unknown-03	15.006	250	J	
06		Unknown-04	15.134	270	J	
07		Unknown-05	15.207	430	J	
08		Unknown-06	15.292	330	J	
09		Unknown-07	15.523	270	J	
10		Unknown-08	15.718	330	J	
11	4175-54-6	Naphthalene, 1,2,3,4-tetrahy	16.575	240	NJ	NJ
	E966796[1]	Total Alkanes	N/A			

[1] EPA-designated Registry Number.

SW846

RW
11/24/08

2

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-060(5-6)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-08B

Sample wt/vol: 2.40 (g/mL) G Lab File ID: V6G1266.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 18 Date Analyzed: 10/03/2008

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

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	13	~~U~~ UJ
74-87-3	Chloromethane	13	U
75-01-4	Vinyl chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	13	~~U~~ UJ
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	~~U~~ UJ
67-64-1	Acetone	150	J
74-88-4	Iodomethane	13	U
75-15-0	Carbon disulfide	13	U
75-09-2	Methylene chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
108-05-4	Vinyl acetate	13	U
78-93-3	2-Butanone	28	J
156-59-2	cis-1,2-Dichloroethene	13	U
594-20-7	2,2-Dichloropropane	13	U
74-97-5	Bromochloromethane	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
563-58-6	1,1-Dichloropropene	13	U
56-23-5	Carbon tetrachloride	13	U
107-06-2	1,2-Dichloroethane	13	U
71-43-2	Benzene	13	U
79-01-6	Trichloroethene	13	U
78-87-5	1,2-Dichloropropane	13	U
74-95-3	Dibromomethane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
142-28-9	1,3-Dichloropropane	13	U

SW846

MW 11/24/08

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 2

9-32-131-SB-060(5-6)

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM

Case No.:

Mod. Ref No.:

SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1710-08B

Sample wt/vol: 2.40 (g/mL) G

Lab File ID: V6G1266.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/02/2008

% Moisture: not dec. 18

Date Analyzed: 10/03/2008

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	~~U~~ UJ
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
630-20-6	1,1,1,2-Tetrachloroethane	13	U
100-41-4	Ethylbenzene	13	U
1330-20-7	m,p-Xylene	13	U
95-47-6	o-Xylene	13	U
1330-20-7	Xylene (Total)	13	U
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	10	J
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-86-1	Bromobenzene	13	U
96-18-4	1,2,3-Trichloropropane	13	U
103-65-1	n-Propylbenzene	13	
95-49-8	2-Chlorotoluene	13	U
108-67-8	1,3,5-Trimethylbenzene	62	
106-43-4	4-Chlorotoluene	13	U
98-06-6	tert-Butylbenzene	13	U
95-63-6	1,2,4-Trimethylbenzene	100	
135-98-8	sec-Butylbenzene	5.3	J
99-87-6	4-Isopropyltoluene	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
104-51-8	n-Butylbenzene	22	
95-50-1	1,2-Dichlorobenzene	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U
87-68-3	Hexachlorobutadiene	13	U
87-61-6	1,2,3-Trichlorobenzene	13	U
91-20-3	Naphthalene	48	

SW846

RW 11/24/08

2

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
9-32-131-SB-060(5-6)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-08B

Sample wt/vol: 2.40 (g/mL) G Lab File ID: V6G1266.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 18 Date Analyzed: 10/03/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	95-93-2	Benzene, 1,2,4,5-tetramethyl	13.941	260	~~NJ~~ NJ
02		Unknown-01	14.403	630	J J
03	17301-23-4	Undecane, 2,6-dimethyl-	14.568	460	NJ NJ
04	4218-48-8	Benzene, 1-ethyl-4-(1-methyl	14.957	270	NJ
05	4292-75-5	Cyclohexane, hexyl-	15.054	260	NJ
06		Unknown-02	15.206	320	J J
07	6682-71-9	1H-Indene, 2,3-dihydro-4,7-d	15.705	450	NJ NJ
08		Unknown-03	16.070	280	J J
09	91-57-6	Naphthalene, 2-methyl-	16.271	430	NJ NJ
10	91-57-6	Naphthalene, 2-methyl-	16.472	260	NJ
11	14679-13-1	Benzene, 1,3,5-trimethyl-2-(	17.025	280	NJ
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

SW846

lw
11/24/08

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 3

DUPLICATE-01

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-10B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G1259.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 20 Date Analyzed: 10/03/2008

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

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	6.1	~~U~~ UJ
74-87-3	Chloromethane	6.1	U
75-01-4	Vinyl chloride	6.1	U
74-83-9	Bromomethane	6.1	U
75-00-3	Chloroethane	6.1	~~U~~ UJ
75-69-4	Trichlorofluoromethane	6.1	U
75-35-4	1,1-Dichloroethene	6.1	~~U~~ UJ
67-64-1	Acetone	13	J
74-88-4	Iodomethane	6.1	U
75-15-0	Carbon disulfide	6.1	U
75-09-2	Methylene chloride	6.1	U
156-60-5	trans-1,2-Dichloroethene	6.1	U
1634-04-4	Methyl tert-butyl ether	6.1	U
75-34-3	1,1-Dichloroethane	6.1	U
108-05-4	Vinyl acetate	6.1	U
78-93-3	2-Butanone	6.1	~~U~~ R
156-59-2	cis-1,2-Dichloroethene	6.1	U
594-20-7	2,2-Dichloropropane	6.1	U
74-97-5	Bromochloromethane	6.1	U
67-66-3	Chloroform	6.1	U
71-55-6	1,1,1-Trichloroethane	6.1	U
563-58-6	1,1-Dichloropropene	6.1	U
56-23-5	Carbon tetrachloride	6.1	U
107-06-2	1,2-Dichloroethane	6.1	U
71-43-2	Benzene	6.1	U
79-01-6	Trichloroethene	6.5	
78-87-5	1,2-Dichloropropane	6.1	U
74-95-3	Dibromomethane	6.1	U
75-27-4	Bromodichloromethane	6.1	U
10061-01-5	cis-1,3-Dichloropropene	6.1	U
108-10-1	4-Methyl-2-pentanone	6.1	U
108-88-3	Toluene	6.1	U
10061-02-6	trans-1,3-Dichloropropene	6.1	U
79-00-5	1,1,2-Trichloroethane	6.1	U
142-28-9	1,3-Dichloropropane	6.1	U

SW846

hW
11/24/08

3

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE-01

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-10B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G1259.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 20 Date Analyzed: 10/03/2008

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

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	6.1	U
591-78-6	2-Hexanone	6.1	~~U~~ UJ
124-48-1	Dibromochloromethane	6.1	U
106-93-4	1,2-Dibromoethane	6.1	U
108-90-7	Chlorobenzene	6.1	U
630-20-6	1,1,1,2-Tetrachloroethane	6.1	U
100-41-4	Ethylbenzene	6.1	U
1330-20-7	m,p-Xylene	6.1	U
95-47-6	o-Xylene	6.1	U
1330-20-7	Xylene (Total)	6.1	U
100-42-5	Styrene	6.1	U
75-25-2	Bromoform	6.1	U
98-82-8	Isopropylbenzene	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U
108-86-1	Bromobenzene	6.1	U
96-18-4	1,2,3-Trichloropropane	6.1	U
103-65-1	n-Propylbenzene	6.1	U
95-49-8	2-Chlorotoluene	6.1	U
108-67-8	1,3,5-Trimethylbenzene	6.1	U
106-43-4	4-Chlorotoluene	6.1	U
98-06-6	tert-Butylbenzene	6.1	U
95-63-6	1,2,4-Trimethylbenzene	6.1	U
135-98-8	sec-Butylbenzene	6.1	U
99-87-6	4-Isopropyltoluene	6.1	U
541-73-1	1,3-Dichlorobenzene	6.1	U
106-46-7	1,4-Dichlorobenzene	6.1	U
104-51-8	n-Butylbenzene	6.1	U
95-50-1	1,2-Dichlorobenzene	6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	6.1	U
120-82-1	1,2,4-Trichlorobenzene	6.1	U
87-68-3	Hexachlorobutadiene	6.1	U
87-61-6	1,2,3-Trichlorobenzene	6.1	U
91-20-3	Naphthalene	6.1	U

SW846

GW
11/24/08

3

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
DUPLICATE-01

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-10B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G1259.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 20 Date Analyzed: 10/03/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	31295-56-4	Dodecane, 2,6,11-trimethyl-	16.271	16	~~NJ~~ NJ
02		Unknown-01	16.521	20	J J
03		Unknown-02	16.673	23	J
04		Unknown-03	16.928	20	J
05		Unknown-04	17.026	15	J
06	638-36-8	Hexadecane, 2,6,10,14-tetram	17.074	31	NJ NJ
07		Unknown-05	17.154	16	J J
08	571-61-9	Naphthalene, 1,5-dimethyl-	17.409	26	NJ NJ
09	581-40-8	Naphthalene, 2,3-dimethyl-	17.585	21	NJ
10	575-37-1	Naphthalene, 1,7-dimethyl-	17.634	23	NJ
11	581-40-8	Naphthalene, 2,3-dimethyl-	17.890	44	NJ
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

kw
11/24/08

SW846

4

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-09D(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-13B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G1260.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 22 Date Analyzed: 10/03/2008

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

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	6.3	~~U~~ UJ
74-87-3	Chloromethane	6.3	U
75-01-4	Vinyl chloride	6.3	U
74-83-9	Bromomethane	6.3	U
75-00-3	Chloroethane	6.3	~~U~~ UJ
75-69-4	Trichlorofluoromethane	6.3	U
75-35-4	1,1-Dichloroethene	6.3	~~U~~ UJ
67-64-1	Acetone	48	J
74-88-4	Iodomethane	6.3	U
75-15-0	Carbon disulfide	6.3	U
75-09-2	Methylene chloride	6.3	U
156-60-5	trans-1,2-Dichloroethene	6.3	U
1634-04-4	Methyl tert-butyl ether	6.3	U
75-34-3	1,1-Dichloroethane	6.3	U
108-05-4	Vinyl acetate	6.3	U
78-93-3	2-Butanone	6.3	~~U~~ R
156-59-2	cis-1,2-Dichloroethene	6.3	U
594-20-7	2,2-Dichloropropane	6.3	U
74-97-5	Bromochloromethane	6.3	U
67-66-3	Chloroform	6.3	U
71-55-6	1,1,1-Trichloroethane	6.3	U
563-58-6	1,1-Dichloropropene	6.3	U
56-23-5	Carbon tetrachloride	6.3	U
107-06-2	1,2-Dichloroethane	6.3	U
71-43-2	Benzene	6.3	U
79-01-6	Trichloroethene	12	
78-87-5	1,2-Dichloropropane	6.3	U
74-95-3	Dibromomethane	6.3	U
75-27-4	Bromodichloromethane	6.3	U
10061-01-5	cis-1,3-Dichloropropene	6.3	U
108-10-1	4-Methyl-2-pentanone	6.3	U
108-88-3	Toluene	5.5	J
10061-02-6	trans-1,3-Dichloropropene	6.3	U
79-00-5	1,1,2-Trichloroethane	6.3	U
142-28-9	1,3-Dichloropropane	6.3	U

SW846

fw 11/24/08

4

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-09D(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-13B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G1260.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 22 Date Analyzed: 10/03/2008

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

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	6.3	U
591-78-6	2-Hexanone	6.3	~~U~~ UJ
124-48-1	Dibromochloromethane	6.3	U
106-93-4	1,2-Dibromoethane	6.3	U
108-90-7	Chlorobenzene	6.3	U
630-20-6	1,1,1,2-Tetrachloroethane	6.3	U
100-41-4	Ethylbenzene	6.3	U
1330-20-7	m,p-Xylene	6.3	U
95-47-6	o-Xylene	6.3	U
1330-20-7	Xylene (Total)	6.3	U
100-42-5	Styrene	6.3	U
75-25-2	Bromoform	6.3	U
98-82-8	Isopropylbenzene	3.7	J
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U
108-86-1	Bromobenzene	6.3	U
96-18-4	1,2,3-Trichloropropane	6.3	U
103-65-1	n-Propylbenzene	4.8	J
95-49-8	2-Chlorotoluene	6.3	U
108-67-8	1,3,5-Trimethylbenzene	6.3	U
106-43-4	4-Chlorotoluene	6.3	U
98-06-6	tert-Butylbenzene	6.3	U
95-63-6	1,2,4-Trimethylbenzene	83	
135-98-8	sec-Butylbenzene	8.1	
99-87-6	4-Isopropyltoluene	6.3	U
541-73-1	1,3-Dichlorobenzene	6.3	U
106-46-7	1,4-Dichlorobenzene	6.3	U
104-51-8	n-Butylbenzene	17	
95-50-1	1,2-Dichlorobenzene	6.3	U
96-12-8	1,2-Dibromo-3-chloropropane	6.3	U
120-82-1	1,2,4-Trichlorobenzene	6.3	U
87-68-3	Hexachlorobutadiene	6.3	U
87-61-6	1,2,3-Trichlorobenzene	6.3	U
91-20-3	Naphthalene	6.3	

SW846

lw 11/24/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 4

9-32-131-SB-09D(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-13B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G1260.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 22 Date Analyzed: 10/03/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
01	000152-47-3	trans-Decalin, 2-methyl-	13.734	230	NJ	NJ
02		Unknown-01	14.038	210	J	J
03		Unknown-02	14.403	480	J	
04		Unknown-03	14.507	200	J	
05	17301-23-4	Undecane, 2,6-dimethyl-	14.568	640	NJ	NJ
06	4218-48-8	Benzene, 1-ethyl-4-(1-methyl	14.823	440	NJ	NJ
07		Unknown-04	14.957	440	J	J
08	66660-43-3	trans, cis-3-Ethylbicyclo[4.	15.133	240	NJ	NJ
09		Unknown-05	15.212	350	J	J
10		Unknown-06	15.407	230	J	J
11	6682-71-9	1H-Indene, 2,3-dihydro-4,7-d	15.517	230	NJ	NJ
12	6682-71-9	1H-Indene, 2,3-dihydro-4,7-d	15.711	470	NJ	
	E966796[1]	Total Alkanes	N/A			

[1] EPA-designated Registry Number.

SW846

lw 11/24/08

5

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-120(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-17B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G1261.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 19 Date Analyzed: 10/03/2008

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

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	6.1	~~U~~ UJ
74-87-3	Chloromethane	6.1	U
75-01-4	Vinyl chloride	6.1	U
74-83-9	Bromomethane	6.1	U
75-00-3	Chloroethane	6.1	~~U~~ UJ
75-69-4	Trichlorofluoromethane	6.1	U
75-35-4	1,1-Dichloroethene	6.1	~~U~~ UJ
67-64-1	Acetone	13	J
74-88-4	Iodomethane	6.1	U
75-15-0	Carbon disulfide	6.1	U
75-09-2	Methylene chloride	6.1	U
156-60-5	trans-1,2-Dichloroethene	6.1	U
1634-04-4	Methyl tert-butyl ether	6.1	U
75-34-3	1,1-Dichloroethane	6.1	U
108-05-4	Vinyl acetate	6.1	U
78-93-3	2-Butanone	6.1	~~U~~ R
156-59-2	cis-1,2-Dichloroethene	6.1	U
594-20-7	2,2-Dichloropropane	6.1	U
74-97-5	Bromochloromethane	6.1	U
67-66-3	Chloroform	6.1	U
71-55-6	1,1,1-Trichloroethane	6.1	U
563-58-6	1,1-Dichloropropene	6.1	U
56-23-5	Carbon tetrachloride	6.1	U
107-06-2	1,2-Dichloroethane	6.1	U
71-43-2	Benzene	6.1	U
79-01-6	Trichloroethene	3.7	J
78-87-5	1,2-Dichloropropane	6.1	U
74-95-3	Dibromomethane	6.1	U
75-27-4	Bromodichloromethane	6.1	U
10061-01-5	cis-1,3-Dichloropropene	6.1	U
108-10-1	4-Methyl-2-pentanone	6.1	U
108-88-3	Toluene	6.1	U
10061-02-6	trans-1,3-Dichloropropene	6.1	U
79-00-5	1,1,2-Trichloroethane	6.1	U
142-28-9	1,3-Dichloropropane	6.1	U

SW846

lw 11/24/08

5

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-120(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-17B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G1261.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 19 Date Analyzed: 10/03/2008

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

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	6.1	U
591-78-6	2-Hexanone	6.1	~~U~~ UJ
124-48-1	Dibromochloromethane	6.1	U
106-93-4	1,2-Dibromoethane	6.1	U
108-90-7	Chlorobenzene	6.1	U
630-20-6	1,1,1,2-Tetrachloroethane	6.1	U
100-41-4	Ethylbenzene	6.1	U
1330-20-7	m,p-Xylene	6.1	U
95-47-6	o-Xylene	6.1	U
1330-20-7	Xylene (Total)	6.1	U
100-42-5	Styrene	6.1	U
75-25-2	Bromoform	6.1	U
98-82-8	Isopropylbenzene	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U
108-86-1	Bromobenzene	6.1	U
96-18-4	1,2,3-Trichloropropane	6.1	U
103-65-1	n-Propylbenzene	6.1	U
95-49-8	2-Chlorotoluene	6.1	U
108-67-8	1,3,5-Trimethylbenzene	6.1	U
106-43-4	4-Chlorotoluene	6.1	U
98-06-6	tert-Butylbenzene	6.1	U
95-63-6	1,2,4-Trimethylbenzene	6.1	U
135-98-8	sec-Butylbenzene	2.6	J
99-87-6	4-Isopropyltoluene	4.3	J
541-73-1	1,3-Dichlorobenzene	6.1	U
106-46-7	1,4-Dichlorobenzene	6.1	U
104-51-8	n-Butylbenzene	6.1	U
95-50-1	1,2-Dichlorobenzene	6.1	U
96-12-8	1,2-Dibromo-3-chloropropane	6.1	U
120-82-1	1,2,4-Trichlorobenzene	6.1	U
87-68-3	Hexachlorobutadiene	6.1	U
87-61-6	1,2,3-Trichlorobenzene	6.1	U
91-20-3	Naphthalene	6.1	U

SW846

11/24/08

5

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
9-32-131-SB-120(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-17B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V6G1261.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 19 Date Analyzed: 10/03/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	14.408	220	~~J~~ J
02	6044-71-9	Dodecane, 6-methyl-	14.566	340	NJ NJ
03	4218-48-8	Benzene, 1-ethyl-4-(1-methyl	14.822	250	NJ NJ
04		Unknown-02	14.956	260	J J
05		Unknown-03	15.205	270	J
06		Unknown-04	15.290	220	J
07	4489-84-3	Benzene, (3-methyl-2-butenyl	15.509	280	NJ NJ
08		Unknown-05	15.607	210	J J
09		Unknown-06	15.704	220	J
10		Unknown-07	15.990	220	J
11		Unknown-08	16.580	250	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

lw
11/24/08

SW846

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-130(6-7)

Lab Name: MITKEM LABORATORIES

Contract:

Lab Code: MITKEM

Case No.:

Mod. Ref No.:

SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1710-19B

Sample wt/vol: 5.30 (g/mL) G

Lab File ID: V6G1262.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/02/2008

% Moisture: not dec. 27

Date Analyzed: 10/03/2008

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	6.5	~~U~~ UJ
74-87-3	Chloromethane	6.5	U
75-01-4	Vinyl chloride	6.5	U
74-83-9	Bromomethane	6.5	U
75-00-3	Chloroethane	6.5	~~U~~ UJ
75-69-4	Trichlorofluoromethane	6.5	U
75-35-4	1,1-Dichloroethene	6.5	~~U~~ UJ
67-64-1	Acetone	46	J
74-88-4	Iodomethane	6.5	U
75-15-0	Carbon disulfide	6.5	U
75-09-2	Methylene chloride	6.5	U
156-60-5	trans-1,2-Dichloroethene	6.5	U
1634-04-4	Methyl tert-butyl ether	6.5	U
75-34-3	1,1-Dichloroethane	6.5	U
108-05-4	Vinyl acetate	6.5	U
78-93-3	2-Butanone	7.0	J
156-59-2	cis-1,2-Dichloroethene	6.5	U
594-20-7	2,2-Dichloropropane	6.5	U
74-97-5	Bromochloromethane	6.5	U
67-66-3	Chloroform	6.5	U
71-55-6	1,1,1-Trichloroethane	6.5	U
563-58-6	1,1-Dichloropropene	6.5	U
56-23-5	Carbon tetrachloride	6.5	U
107-06-2	1,2-Dichloroethane	6.5	U
71-43-2	Benzene	6.5	U
79-01-6	Trichloroethene	12	
78-87-5	1,2-Dichloropropane	6.5	U
74-95-3	Dibromomethane	6.5	U
75-27-4	Bromodichloromethane	6.5	U
10061-01-5	cis-1,3-Dichloropropene	6.5	U
108-10-1	4-Methyl-2-pentanone	6.5	U
108-88-3	Toluene	3.8	J
10061-02-6	trans-1,3-Dichloropropene	6.5	U
79-00-5	1,1,2-Trichloroethane	6.5	U
142-28-9	1,3-Dichloropropane	6.5	U

SW846

KW
11/24/08

6

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-130(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-19B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V6G1262.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 27 Date Analyzed: 10/03/2008

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

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

Purge Volume: 10.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
127-18-4	Tetrachloroethene	6.5	U
591-78-6	2-Hexanone	6.5	~~U~~ UJ
124-48-1	Dibromochloromethane	6.5	U
106-93-4	1,2-Dibromoethane	6.5	U
108-90-7	Chlorobenzene	6.5	U
630-20-6	1,1,1,2-Tetrachloroethane	6.5	U
100-41-4	Ethylbenzene	6.5	U
1330-20-7	m,p-Xylene	6.5	U
95-47-6	o-Xylene	6.5	U
1330-20-7	Xylene (Total)	6.5	U
100-42-5	Styrene	6.5	U
75-25-2	Bromoform	6.5	U
98-82-8	Isopropylbenzene	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	6.5	U
108-86-1	Bromobenzene	6.5	U
96-18-4	1,2,3-Trichloropropane	6.5	U
103-65-1	n-Propylbenzene	6.5	U
95-49-8	2-Chlorotoluene	6.5	U
108-67-8	1,3,5-Trimethylbenzene	6.5	U
106-43-4	4-Chlorotoluene	6.5	U
98-06-6	tert-Butylbenzene	6.5	U
95-63-6	1,2,4-Trimethylbenzene	6.5	U
135-98-8	sec-Butylbenzene	6.5	U
99-87-6	4-Isopropyltoluene	6.5	U
541-73-1	1,3-Dichlorobenzene	6.5	U
106-46-7	1,4-Dichlorobenzene	6.5	U
104-51-8	n-Butylbenzene	6.5	U
95-50-1	1,2-Dichlorobenzene	6.5	U
96-12-8	1,2-Dibromo-3-chloropropane	6.5	U
120-82-1	1,2,4-Trichlorobenzene	6.5	U
87-68-3	Hexachlorobutadiene	6.5	U
87-61-6	1,2,3-Trichlorobenzene	6.5	U
91-20-3	Naphthalene	6.5	U

SW846

JW
11/24/08

1J - FORM I VOA-TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 6

9-32-131-SB-130(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-19B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V6G1262.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/02/2008

% Moisture: not dec. 27 Date Analyzed: 10/03/2008

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

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 10.0 (mL)

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	17301-23-4	Undecane, 2,6-dimethyl-	14.568	330	~~NJ~~ NJ
02	2051-30-1	Octane, 2,6-dimethyl-	15.207	260	~~NJ~~ NJ
03		Unknown-01	15.292	190	~~J~~ J
04		Unknown-02	15.401	180	J
05		Unknown-03	15.608	190	J
06		Unknown-04	15.693	200	J
07		Unknown-05	15.766	240	J
08		Unknown-06	15.992	210	J
09	638-36-8	Hexadecane, 2,6,10,14-tetram	16.271	200	NJ NJ
10		Unknown-07	16.697	220	J J
11		Unknown-08	16.831	190	J J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

MW 11/24/08

SW846

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. (

9-32-131-SB-010(6-8)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-02A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3F3026.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/05/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	Bis(2-chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
111-91-1	Bis(2-chloroethoxy)methane	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	100	J
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	440	U
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U

SW846

QW 12/3/08

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-010(6-8)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-02A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3F3026.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/05/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	N-Nitrosodiphenylamine	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	440	U
129-00-0	Pyrene	440	U
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	440	U
117-81-7	Bis(2-ethylhexyl)phthalate	440	U
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U

LW 12/3/08

SW846

2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
9-32-131-SB-010(6-8)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-02A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3F3026.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 25 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/05/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
01		Unknown-01	6.721	1100	~~J~~	J
02		Unknown-02	7.635	1400	~~J~~	J
03	3891-98-3	Dodecane, 2,6,10-trimethyl-	7.982	1800	~~NJ~~	NJ
04	629-59-4	Tetradecane	8.287	1800	~~NJ~~	↓
05	581-42-0	Naphthalene, 2,6-dimethyl-	8.442	1400	~~NJ~~	↓
06		Unknown-03	8.901	2200	~~J~~	J
07		Unknown-04	9.008	3900	~~J~~	J
08	629-62-9	Pentadecane	9.441	1900	~~NJ~~	NJ
09		Unknown-05	9.857	1600	~~J~~	J
10		Unknown-06	9.889	1800	~~J~~	J
11	2883-02-5	n-Nonylcyclohexane	9.921	2600	~~NJ~~	NJ
12		Unknown-07	9.980	1300	~~J~~	J
13		Unknown-08	10.172	1900	~~J~~	J
14	43080-23-5	2-Propenoic acid, pentadecyl	10.814	1100	~~NJ~~	NJ
15	1921-70-6	Pentadecane, 2,6,10,14-tetra	10.878	5600	~~NJ~~	NJ
16		Unknown-09	10.899	1300	~~J~~	J
17		Unknown-10	11.081	940	~~J~~	J
18	638-36-8	Hexadecane, 2,6,10,14-tetram	11.385	3000	~~NJ~~	NJ
19	13187-99-0	2-Bromo dodecane	11.732	1200	~~NJ~~	↓
20		Unknown-11	12.160	910	~~J~~	J
	E966796 [2]	Total Alkanes	N/A			

[2] EPA-designated Registry Number.

SW846

LW 12/3/08

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-060(5-6)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-08A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3F3027.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/05/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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	480	
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	810	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	810	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	810	U
83-32-9	Acenaphthene	220	J
51-28-5	2,4-Dinitrophenol	810	U
100-02-7	4-Nitrophenol	810	U
132-64-9	Dibenzofuran	160	J
121-14-2	2,4-Dinitrotoluene	400	U

SW846

lw 12/3/08

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 2

9-32-131-SB-060(5-6)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-08A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3F3027.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/05/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	260	J
100-01-6	4-Nitroaniline	810	U
534-52-1	4,6-Dinitro-2-methylphenol	810	U
86-30-6	N-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	810	U
85-01-8	Phenanthrene	990	
120-12-7	Anthracene	290	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	520	
129-00-0	Pyrene	390	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	180	J
218-01-9	Chrysene	160	J
117-81-7	Bis(2-ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	120	J
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	100	J
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

SW846

hw 12/3/08

2

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

9-32-131-SB-060(5-6)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-08A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S3F3027.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 18 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/05/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
01		Unknown-01	6.724	930	~~J~~	J
02	5617-41-4	Heptylcyclohexane	7.637	2000	NJ	NJ
03		Unknown-02	7.979	2300	J	J
04		Unknown-03	8.235	950	J	J
05	581-40-8	Naphthalene, 2,3-dimethyl-	8.438	1300	NJ	NJ
06	581-40-8	Naphthalene, 2,3-dimethyl-	8.599	1000	NJ	
07	581-42-0	Naphthalene, 2,6-dimethyl-	8.652	1300	NJ	
08	1795-15-9	Cyclohexane, octyl-	8.898	1500	NJ	↓
09		Unknown-04	9.010	3500	J	J
10	829-26-5	Naphthalene, 2,3,6-trimethyl	9.891	1200	NJ	NJ
11		Unknown-05	10.169	1100	J	J
12		Unknown-06	10.287	1800	J	
13		Unknown-07	10.634	1200	J	
14		Unknown-08	10.752	810	J	
15		Unknown-09	10.816	1400	J	↓
16	1921-70-6	Pentadecane, 2,6,10,14-tetra	10.874	4500	NJ	NJ
17		Unknown-10	10.965	950	J	J
18	54105-66-7	Cyclohexane, undecyl-	11.195	1100	NJ	NJ
19	3892-00-0	Pentadecane, 2,6,10-trimethy	11.735	1200	NJ	NJ
20		Unknown-11	11.900	1000	J	J
	E966796 [2]	Total Alkanes	N/A			

[2] EPA-designated Registry Number.

SW846

RW 12/3/08

3

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUPLICATE-01

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-10A

Sample wt/vol: 28.3 (g/mL) G Lab File ID: S3F3100.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	Bis(2-chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
111-91-1	Bis(2-chloroethoxy)methane	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	440	U
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U

SW846

12/3/08

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 3

DUPLICATE-01

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-10A

Sample wt/vol: 28.3 (g/mL) G Lab File ID: S3F3100.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	N-Nitrosodiphenylamine	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	170	J
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	440	U
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	440	U
117-81-7	Bis(2-ethylhexyl)phthalate	440	U
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U

SW846

hW 12/31/08

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 3

DUPLICATE-01

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-10A

Sample wt/vol: 28.3 (g/mL) G Lab File ID: S3F3100.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 20 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
01		Unknown-01	7.822	240	~~J~~	J
02	3891-98-3	Dodecane, 2,6,10-trimethyl-	8.842	550	NJ	NJ
03	872-05-9	1-Decene	9.034	470	NJ	NJ
04		Unknown-02	9.296	200	J	J
05		Unknown-03	9.798	230	J	
06		Unknown-04	9.868	240	J	
07		Unknown-05	10.060	280	J	
08		Unknown-06	10.530	180	J	
09	43080-23-5	2-Propenoic acid, pentadecyl	10.722	1300	NJ	NJ
10	1921-70-6	Pentadecane, 2,6,10,14-tetra	10.776	870	NJ	NJ
11		Unknown-07	10.803	290	J	J
12		Unknown-08	10.867	320	J	
13		Unknown-09	10.904	190	J	
14	112-95-8	Eicosane	11.647	270	NJ	NJ
15	6380-71-8	Propanoic acid, 3-mercapto-,	12.149	530	NJ	
16	295-17-0	Cyclotetradecane	12.384	280	NJ	
17	301-02-0	9-Octadecenamide, (Z)-	13.271	510	NJ	
	E966796[2]	Total Alkanes	N/A			

[2] EPA-designated Registry Number.

SW846

lw 12/3/08

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 4

9-32-131-SB-09D(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-13A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3F3101.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
111-44-4	Bis(2-chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
111-91-1	Bis(2-chloroethoxy)methane	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	840	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	840	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	840	U
83-32-9	Acenaphthene	420	U
51-28-5	2,4-Dinitrophenol	840	U
100-02-7	4-Nitrophenol	840	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U

SW846

12/3/08

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 4

9-32-131-SB-09D(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-13A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3F3101.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	840	U
534-52-1	4,6-Dinitro-2-methylphenol	840	U
86-30-6	N-Nitrosodiphenylamine	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	180	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	300	J
129-00-0	Pyrene	220	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	160	J
117-81-7	Bis(2-ethylhexyl)phthalate	130	J
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	190	J
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	120	J
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenzo(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U

SW846

Rev 12/3/08

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 4

9-32-131-SB-09D(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-13A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S3F3101.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
01	103-82-2	Benzeneacetic acid	6.389	370	~~NJ~~	NJ
02		Unknown-01	7.815	190	~~J~~	J
03		Unknown-02	8.841	230	~~J~~	J
04	112-53-8	1-Dodecanol	9.033	410	~~NJ~~	NJ
05	294-62-2	Cyclododecane	10.716	1100	NJ	↓
06	1921-70-6	Pentadecane, 2,6,10,14-tetra	10.775	410	NJ	↓
07		Unknown-03	12.143	320	J	J
08	7206-21-5	5-Octadecene, (E)-	12.383	200	NJ	NJ
09	301-02-0	9-Octadecenamide, (Z)-	13.270	490	NJ	↓
10	18435-45-5	1-Nonadecene	13.617	300	NJ	
11		Unknown-04	14.151	6700	J	J
12		Unknown-05	14.376	190	J	J
	E966796 [2]	Total Alkanes	N/A			

[2] EPA-designated Registry Number.

SW846

lw 12/3/08

5

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-120(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-17A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3F3102.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	Bis(2-chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
111-91-1	Bis(2-chloroethoxy)methane	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	820	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	820	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	820	U
83-32-9	Acenaphthene	410	U
51-28-5	2,4-Dinitrophenol	820	U
100-02-7	4-Nitrophenol	820	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U

SW846

lew 12/3/08

5

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-120(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-17A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3F3102.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	120	J
100-01-6	4-Nitroaniline	820	U
534-52-1	4,6-Dinitro-2-methylphenol	820	U
86-30-6	N-Nitrosodiphenylamine	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	310	J
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	Bis(2-ethylhexyl)phthalate	410	U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

SW846

JW 12/31/08

5

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

9-32-131-SB-120(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-17A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3F3102.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 19 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
01		Unknown-01	7.484	1700	J	J
02		Unknown-02	7.516	1700	J	
03		Unknown-03	7.692	1600	J	
04		Unknown-04	7.831	3400	J	
05		Unknown-05	7.874	1800	J	
06	575-43-9	Naphthalene, 1,6-dimethyl-	8.296	2300	NJ	NJ
07		Unknown-06	8.515	2000	J	J
08		Unknown-07	8.857	6700	J	
09		Unknown-08	8.963	1700	J	
10		Unknown-09	9.305	1800	J	
11	2131-42-2	Naphthalene, 1,4,6-trimethyl	9.781	1800	NJ	NJ
12		Unknown-10	9.877	1800	J	J
13		Unknown-11	10.069	2700	J	
14		Unknown-12	10.539	960	J	
15		Unknown-13	10.726	1600	J	
16	1921-70-6	Pentadecane, 2,6,10,14-tetra	10.785	4800	NJ	NJ
17		Unknown-14	10.871	960	J	J
18	638-36-8	Hexadecane, 2,6,10,14-tetram	11.298	3200	NJ	NJ
19	13187-99-0	2-Bromo dodecane	11.651	1200	NJ	NJ
20		Unknown-15	14.151	7100	J	J
	E966796 [2]	Total Alkanes	N/A			

[2] EPA-designated Registry Number.

SW846

DEW 12/3/08

6

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-130(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-19A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3F3103.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	450	U
111-44-4	Bis(2-chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
111-91-1	Bis(2-chloroethoxy)methane	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	910	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	910	U
83-32-9	Acenaphthene	450	U
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	450	U
121-14-2	2,4-Dinitrotoluene	450	U

SW846

Rev 12/3/08

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 6

9-32-131-SB-130(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-19A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3F3103.D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
84-66-2	Diethylphthalate	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	450	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-Nitrosodiphenylamine	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	450	U
120-12-7	Anthracene	450	U
86-74-8	Carbazole	450	U
84-74-2	Di-n-butylphthalate	450	U
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	140	J
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3´-Dichlorobenzidine	450	U
56-55-3	Benzo(a)anthracene	450	U
218-01-9	Chrysene	140	J
117-81-7	Bis(2-ethylhexyl)phthalate	450	U
117-84-0	Di-n-octylphthalate	450	U
205-99-2	Benzo(b)fluoranthene	450	U
207-08-9	Benzo(k)fluoranthene	450	U
50-32-8	Benzo(a)pyrene	450	U
193-39-5	Indeno(1,2,3-cd)pyrene	450	U
53-70-3	Dibenzo(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	450	U

SW846

RW 12/3/08

6

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
9-32-131-SB-130(6-7)

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG1710

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1710-19A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S3F3103.D

Level: (TRACE or LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 27 Decanted: (Y/N) N Date Received: 10/02/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/03/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/08/2008

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
01		Unknown-01	6.488	700	J	J
02		Unknown-02	6.804	600	J	
03		Unknown-03	7.327	620	J	
04		Unknown-04	7.461	900	J	
05		Unknown-05	7.690	970	J	
06		Unknown-06	7.829	1600	J	
07	1678-97-3	Cyclohexane, 1,2,3-trimethyl	7.963	810	NJ	NJ
08		Unknown-07	8.508	1100	J	J
09		Unknown-08	8.855	3300	J	
10		Unknown-09	9.261	1300	J	
11	112-40-3	Dodecane	9.309	1500	NJ	NJ
12	2131-42-2	Naphthalene, 1,4,6-trimethyl	9.784	860	NJ	
13		Unknown-10	9.875	1500	J	J
14		Unknown-11	10.057	1000	J	
15		Unknown-12	10.730	2300	J	
16	1921-70-6	Pentadecane, 2,6,10,14-tetra	10.789	4000	NJ	NJ
17		Unknown-13	11.115	850	J	J
18	638-36-8	Hexadecane, 2,6,10,14-tetram	11.302	2300	NJ	NJ
19		Unknown-14	11.660	1500	J	J
20	112-95-8	Eicosane	12.082	1500	NJ	NJ
	E966796[2]	Total Alkanes	N/A			

[2] EPA-designated Registry Number.

lW 12/13/08

SW846

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-01S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-01

Level (low/med): MED Date Received: 10/02/2008

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14500		~~E~~ J	P
7440-36-0	Antimony	1.1 ~~1.1~~	~~B~~ ~~N~~	UJ	P
7440-38-2	Arsenic	4.6		~~*~~ J	P
7440-39-3	Barium	110		~~E~~ J	P
7440-41-7	Beryllium	0.75		~~E~~ J	P
7440-43-9	Cadmium	0.21	~~B~~	J	P
7440-70-2	Calcium	74200			P
7440-47-3	Chromium	22.6		~~E~~ J	P
7440-48-4	Cobalt	26.4		~~E~~ J	P
7440-50-8	Copper	27.6			P
7439-89-6	Iron	31900			P
7439-92-1	Lead	34.0			P
7439-95-4	Magnesium	11200		~~E~~ J	P
7439-96-5	Manganese	606		~~E~~ J	P
7439-97-6	Mercury	0.036 ~~0.018~~	~~B~~	U	CV
7440-02-0	Nickel	25.9		~~E~~ J	P
7440-09-7	Potassium	2620		~~E~~ J	P
7782-49-2	Selenium	0.63	U		P
7440-22-4	Silver	0.12	U		P
7440-23-5	Sodium	161		~~E~~ J	P
7440-28-0	Thallium	0.37	U		P
7440-62-2	Vanadium	30.6		~~E~~ J	P
7440-66-6	Zinc	52.5		~~E~~ J	P

Comments:

FORM I - IN SW846

11/24/08

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-02S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-03

Level (low/med): MED Date Received: 10/02/2008

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11100		~~E~~ J	P
7440-36-0	Antimony	0.16	U ~~N~~	UJ	P
7440-38-2	Arsenic	3.3		~~E~~ J	P
7440-39-3	Barium	90.8		~~E~~	P
7440-41-7	Beryllium	0.50		~~E~~	P
7440-43-9	Cadmium	0.13	~~B~~		P
7440-70-2	Calcium	66000			P
7440-47-3	Chromium	16.3		~~E~~ J	P
7440-48-4	Cobalt	8.8		~~E~~ J	P
7440-50-8	Copper	19.3			P
7439-89-6	Iron	27100			P
7439-92-1	Lead	6.0			P
7439-95-4	Magnesium	9090		~~E~~ J	P
7439-96-5	Manganese	652		~~E~~ J	P
7439-97-6	Mercury	0.038 0.013	B	U	CV
7440-02-0	Nickel	19.9		~~E~~ J	P
7440-09-7	Potassium	1710		~~E~~ J	P
7782-49-2	Selenium	0.67	U		P
7440-22-4	Silver	0.12	U		P
7440-23-5	Sodium	137		~~E~~ J	P
7440-28-0	Thallium	0.39	U		P
7440-62-2	Vanadium	20.7		~~E~~ J	P
7440-66-6	Zinc	39.0		~~E~~ J	P

Comments:

FORM I - IN SW846

3

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-03S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-04

Level (low/med): MED Date Received: 10/02/2008

% Solids: 83.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9430		~~E~~ J	P
7440-36-0	Antimony	1.1 ~~0.27~~	~~B~~ ~~N~~	UJ	P
7440-38-2	Arsenic	3.3		~~E~~ J	P
7440-39-3	Barium	63.6		~~E~~	P
7440-41-7	Beryllium	0.44		~~E~~	P
7440-43-9	Cadmium	0.13	~~B~~		P
7440-70-2	Calcium	55500			P
7440-47-3	Chromium	12.9		~~E~~ J	P
7440-48-4	Cobalt	9.0		~~E~~ J	P
7440-50-8	Copper	33.9			P
7439-89-6	Iron	23400			P
7439-92-1	Lead	45.0			P
7439-95-4	Magnesium	9130		~~E~~ J	P
7439-96-5	Manganese	682		~~E~~ J	P
7439-97-6	Mercury	0.035 ~~0.015~~	~~B~~	U	CV
7440-02-0	Nickel	17.7		~~E~~ J	P
7440-09-7	Potassium	1480		~~E~~ J	P
7782-49-2	Selenium	0.66	U		P
7440-22-4	Silver	0.12	U		P
7440-23-5	Sodium	125		~~E~~ J	P
7440-28-0	Thallium	0.39	U		P
7440-62-2	Vanadium	19.4		~~E~~ J	P
7440-66-6	Zinc	39.2		~~E~~ J	P

Comments:

FORM I - IN SW846

RW 11/24/08

4

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-04S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-05

Level (low/med): MED Date Received: 10/02/2008

% 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	15200		~~E~~ J	P
7440-36-0	Antimony	1.1 ~~0.15~~	~~B~~ N	UJ	P
7440-38-2	Arsenic	4.7		~~E~~ J	P
7440-39-3	Barium	102		~~E~~	P
7440-41-7	Beryllium	0.74		~~E~~	P
7440-43-9	Cadmium	0.18	~~B~~		P
7440-70-2	Calcium	77700			P
7440-47-3	Chromium	21.5		~~E~~ J	P
7440-48-4	Cobalt	8.9		~~E~~ J	P
7440-50-8	Copper	28.7			P
7439-89-6	Iron	29000			P
7439-92-1	Lead	20.7			P
7439-95-4	Magnesium	11200		~~E~~ J	P
7439-96-5	Manganese	449		~~E~~ J	P
7439-97-6	Mercury	0.039 ~~0.012~~	~~B~~	U	CV
7440-02-0	Nickel	22.2		~~E~~ J	P
7440-09-7	Potassium	2530		~~E~~ J	P
7782-49-2	Selenium	0.64	U		P
7440-22-4	Silver	0.12	U		P
7440-23-5	Sodium	168		~~E~~ J	P
7440-28-0	Thallium	0.37	U		P
7440-62-2	Vanadium	30.8		~~E~~ J	P
7440-66-6	Zinc	48.2		~~E~~ J	P

Comments:

FORM I - IN SW846

RW 11/24/08

5

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-05S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-06

Level (low/med): MED Date Received: 10/02/2008

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9460		~~E~~ J	P
7440-36-0	Antimony	0.17	~~U~~	~~N~~ UJ	P
7440-38-2	Arsenic	4.4		~~E~~ J	P
7440-39-3	Barium	61.4		~~E~~	P
7440-41-7	Beryllium	0.48		~~E~~	P
7440-43-9	Cadmium	0.13	~~B~~		P
7440-70-2	Calcium	3340			P
7440-47-3	Chromium	13.4		~~E~~ J	P
7440-48-4	Cobalt	10.2		~~E~~ J	P
7440-50-8	Copper	20.8			P
7439-89-6	Iron	22400			P
7439-92-1	Lead	5.6			P
7439-95-4	Magnesium	4540		~~E~~ J	P
7439-96-5	Manganese	976		~~E~~ J	P
7439-97-6	Mercury	0.034 ~~0.010~~	~~B~~	U	CV
7440-02-0	Nickel	21.4		~~E~~ J	P
7440-09-7	Potassium	1090		~~E~~ J	P
7782-49-2	Selenium	0.71	U		P
7440-22-4	Silver	0.13	U		P
7440-23-5	Sodium	91.0		~~E~~ J	P
7440-28-0	Thallium	0.41	U		P
7440-62-2	Vanadium	19.9		~~E~~ J	P
7440-66-6	Zinc	44.4		~~E~~ J	P

Comments:

FORM I - IN SW846

RW 11/24/08

6

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-06S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-07

Level (low/med): MED Date Received: 10/02/2008

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16800		~~E~~ J	P
7440-36-0	Antimony	0.13	U ~~N~~	UJ	P
7440-38-2	Arsenic	4.1		~~E~~ J	P
7440-39-3	Barium	94.9		~~E~~	P
7440-41-7	Beryllium	0.72		~~E~~	P
7440-43-9	Cadmium	0.25			P
7440-70-2	Calcium	45500			P
7440-47-3	Chromium	20.5		~~E~~ J	P
7440-48-4	Cobalt	11.7		~~E~~ J	P
7440-50-8	Copper	24.3			P
7439-89-6	Iron	29000			P
7439-92-1	Lead	18.0			P
7439-95-4	Magnesium	10200		~~E~~ J	P
7439-96-5	Manganese	661		~~E~~ J	P
7439-97-6	Mercury	0.036 ~~0.023~~	~~B~~	U	CV
7440-02-0	Nickel	23.8		~~E~~ J	P
7440-09-7	Potassium	2280		~~E~~ J	P
7782-49-2	Selenium	0.54	U		P
7440-22-4	Silver	0.099	U		P
7440-23-5	Sodium	155		~~E~~ J	P
7440-28-0	Thallium	0.32	U		P
7440-62-2	Vanadium	28.9		~~E~~ J	P
7440-66-6	Zinc	65.8		~~E~~ J	P

Comments:

FORM I - IN SW846

LW 11/24/08

7

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-07S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-09

Level (low/med): MED Date Received: 10/02/2008

% Solids: 82.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13500		~~E~~ J	P
7440-36-0	Antimony	0.70 ~~0.42~~	B	N UJ	P
7440-38-2	Arsenic	5.4		~~E~~ J	P
7440-39-3	Barium	141		~~E~~	P
7440-41-7	Beryllium	0.60		~~E~~	P
7440-43-9	Cadmium	0.29			P
7440-70-2	Calcium	43800			P
7440-47-3	Chromium	32.2		~~E~~ J	P
7440-48-4	Cobalt	8.3		~~E~~ J	P
7440-50-8	Copper	28.3			P
7439-89-6	Iron	25100			P
7439-92-1	Lead	55.0			P
7439-95-4	Magnesium	7930		~~E~~ J	P
7439-96-5	Manganese	597		~~E~~ J	P
7439-97-6	Mercury	0.058		U	CV
7440-02-0	Nickel	19.7		~~E~~ J	P
7440-09-7	Potassium	2480		~~E~~ J	P
7782-49-2	Selenium	0.42	U		P
7440-22-4	Silver	0.077	U		P
7440-23-5	Sodium	131		~~E~~ J	P
7440-28-0	Thallium	0.25	U		P
7440-62-2	Vanadium	23.5		~~E~~ J	P
7440-66-6	Zinc	74.4		~~E~~ J	P

Comments:

FORM I - IN SW846

LW 11/24/08

8

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-08S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-11

Level (low/med): MED Date Received: 10/02/2008

% Solids: 84.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7500		~~E~~ J	P
7440-36-0	Antimony	30.9		~~N~~ J	P
7440-38-2	Arsenic	9.5		~~*~~ J	P
7440-39-3	Barium	90.1		~~E~~	P
7440-41-7	Beryllium	0.85		~~E~~ ↓	P
7440-43-9	Cadmium	0.59			P
7440-70-2	Calcium	40800		J	P
7440-47-3	Chromium	10.1		~~E~~ J	P
7440-48-4	Cobalt	6.2		~~E~~ J	P
7440-50-8	Copper	85.9		J	P
7439-89-6	Iron	31000			P
7439-92-1	Lead	9410		J	P
7439-95-4	Magnesium	4320		~~E~~ J	P
7439-96-5	Manganese	368		~~E~~ J	P
7439-97-6	Mercury	0.28		J	CV
7440-02-0	Nickel	9.8		~~E~~ J	P
7440-09-7	Potassium	847		~~E~~ J	P
7782-49-2	Selenium	0.53	U		P
7440-22-4	Silver	0.15	~~B~~	J	P
7440-23-5	Sodium	266		~~E~~ J	P
7440-28-0	Thallium	0.31	U		P
7440-62-2	Vanadium	12.9		~~E~~ J	P
7440-66-6	Zinc	168		~~E~~ J	P

Comments:

FORM I - IN SW846

AW 11/24/08

9

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-BB-09S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-12

Level (low/med): MED Date Received: 10/02/2008

% 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	18200		~~E~~ J	P
7440-36-0	Antimony	1.2 ~~0.17~~	~~B~~	~~N~~ UJ	P
7440-38-2	Arsenic	5.0		~~E~~ J	P
7440-39-3	Barium	133		~~E~~	P
7440-41-7	Beryllium	1.0		~~E~~	P
7440-43-9	Cadmium	0.13	~~B~~		P
7440-70-2	Calcium	3100			P
7440-47-3	Chromium	24.7		~~E~~ J	P
7440-48-4	Cobalt	11.0		~~E~~ J	P
7440-50-8	Copper	27.2			P
7439-89-6	Iron	34600			P
7439-92-1	Lead	9.9			P
7439-95-4	Magnesium	5840		~~E~~ J	P
7439-96-5	Manganese	470		~~E~~ J	P
7439-97-6	Mercury	0.047		U	CV
7440-02-0	Nickel	28.3		~~E~~ J	P
7440-09-7	Potassium	1770		~~E~~ J	P
7782-49-2	Selenium	0.72	U		P
7440-22-4	Silver	0.13	U		P
7440-23-5	Sodium	96.1		~~E~~ J	P
7440-28-0	Thallium	0.42	U		P
7440-62-2	Vanadium	33.9		~~E~~ J	P
7440-66-6	Zinc	59.6		~~E~~ J	P

Comments:

FORM I - IN SW846

11/24/08

10

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-10S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-14

Level (low/med): MED Date Received: 10/02/2008

% Solids: 74.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18700		~~E~~ J	P
7440-36-0	Antimony	2.2		~~N~~ J	P
7440-38-2	Arsenic	4.9		~~*~~ J	P
7440-39-3	Barium	151		~~E~~	P
7440-41-7	Beryllium	0.92		~~E~~	P
7440-43-9	Cadmium	0.24	~~E~~		P
7440-70-2	Calcium	63600			P
7440-47-3	Chromium	28.3		~~E~~ J	P
7440-48-4	Cobalt	12.4		~~E~~ J	P
7440-50-8	Copper	27.4			P
7439-89-6	Iron	38000			P
7439-92-1	Lead	52.5			P
7439-95-4	Magnesium	11400		~~E~~ J	P
7439-96-5	Manganese	556		~~E~~ J	P
7439-97-6	Mercury	0.094			CV
7440-02-0	Nickel	31.3		~~E~~ J	P
7440-09-7	Potassium	4040		~~E~~ J	P
7782-49-2	Selenium	0.81	U		P
7440-22-4	Silver	0.15	U		P
7440-23-5	Sodium	159		~~E~~ J	P
7440-28-0	Thallium	0.47	U		P
7440-62-2	Vanadium	36.5		~~E~~ J	P
7440-66-6	Zinc	65.4		~~E~~ J	P

Comments:

FORM I - IN SW846

lw 11/24/08

11

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-11S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-15

Level (low/med): MED Date Received: 10/02/2008

% Solids: 76.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4140		~~E~~ J	P
7440-36-0	Antimony	0.84 ~~0.62~~	~~B~~ N	UJ	P
7440-38-2	Arsenic	4.3		~~*~~ J	P
7440-39-3	Barium	80.4		~~E~~ J	P
7440-41-7	Beryllium	0.50		~~E~~ J	P
7440-43-9	Cadmium	0.26			P
7440-70-2	Calcium	60100			P
7440-47-3	Chromium	2060		~~E~~ J	P
7440-48-4	Cobalt	62.0		~~E~~ J	P
7440-50-8	Copper	43.9			P
7439-89-6	Iron	5970			P
7439-92-1	Lead	148			P
7439-95-4	Magnesium	25400		~~E~~ J	P
7439-96-5	Manganese	339		~~E~~ J	P
7439-97-6	Mercury	0.10			CV
7440-02-0	Nickel	58.3		~~E~~ J	P
7440-09-7	Potassium	1270		~~E~~ J	P
7782-49-2	Selenium	0.50	U		P
7440-22-4	Silver	0.092	U		P
7440-23-5	Sodium	179		~~E~~ J	P
7440-28-0	Thallium	0.67	~~B~~		P
7440-62-2	Vanadium	25.7		~~E~~	P
7440-66-6	Zinc	50.5		~~E~~	P

Comments:

FORM I - IN SW846

RW 11/24/08

12

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-12S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-16

Level (low/med): MED Date Received: 10/02/2008

% Solids: 76.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13100		~~E~~ J	P
7440-36-0	Antimony	8.3		~~N~~ J	P
7440-38-2	Arsenic	4.4		~~N~~ J	P
7440-39-3	Barium	71.7		~~E~~	P
7440-41-7	Beryllium	0.51		~~E~~	P
7440-43-9	Cadmium	0.43			P
7440-70-2	Calcium	61900			P
7440-47-3	Chromium	9.8		~~E~~ J	P
7440-48-4	Cobalt	7.3		~~E~~ J	P
7440-50-8	Copper	25.6			P
7439-89-6	Iron	28000			P
7439-92-1	Lead	1160			P
7439-95-4	Magnesium	10900		~~E~~ J	P
7439-96-5	Manganese	613		~~E~~ J	P
7439-97-6	Mercury	0.088			CV
7440-02-0	Nickel	12.4		~~E~~ J	P
7440-09-7	Potassium	1010		~~E~~ J	P
7782-49-2	Selenium	0.58	U		P
7440-22-4	Silver	0.11	U		P
7440-23-5	Sodium	82.5		~~E~~ J	P
7440-28-0	Thallium	0.34	U		P
7440-62-2	Vanadium	14.4		~~E~~ J	P
7440-66-6	Zinc	119		~~E~~ J	P

Comments:

FORM I - IN SW846

RLW 11/24/08

13

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-13S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-18

Level (low/med): MED Date Received: 10/02/2008

% Solids: 72.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300		~~E~~ J	P
7440-36-0	Antimony	1.3 ~~0.18~~	~~B~~	~~N~~ WJ	P
7440-38-2	Arsenic	2.1		~~E~~ J	P
7440-39-3	Barium	91.7		~~E~~ ↓	P
7440-41-7	Beryllium	0.54		~~E~~ ↓	P
7440-43-9	Cadmium	2.8			P
7440-70-2	Calcium	93600			P
7440-47-3	Chromium	32.2		~~E~~ J	P
7440-48-4	Cobalt	6.0		~~E~~ J	P
7440-50-8	Copper	25.8			P
7439-89-6	Iron	7110			P
7439-92-1	Lead	24.5			P
7439-95-4	Magnesium	46300		~~E~~ J	P
7439-96-5	Manganese	510		~~E~~ J	P
7439-97-6	Mercury	0.077			CV
7440-02-0	Nickel	20.4		~~E~~ J	P
7440-09-7	Potassium	1060		~~E~~ J	P
7782-49-2	Selenium	1.8	~~B~~	J	P
7440-22-4	Silver	0.14	U		P
7440-23-5	Sodium	88.4		~~E~~ J	P
7440-28-0	Thallium	0.45	U		P
7440-62-2	Vanadium	38.1		~~E~~ J	P
7440-66-6	Zinc	5490		~~E~~ J	P

Comments:

FORM I - IN SW846

MW 11/24/08

14

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

9-32-131-SB-14S

Lab Name: Mitkem Laboratories Contract: 14368.11

Lab Code: MITKEM Case No.: SAS No.: SDG No.: MG1710

Matrix (soil/water): SOIL Lab Sample ID: G1710-20

Level (low/med): MED Date Received: 10/02/2008

% 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	24500		~~E~~ J	P
7440-36-0	Antimony	0.96 ~~0.13~~	B	~~N~~ UJ	P
7440-38-2	Arsenic	5.9		~~E~~ J	P
7440-39-3	Barium	174		~~E~~	P
7440-41-7	Beryllium	1.8		~~E~~	P
7440-43-9	Cadmium	0.26			P
7440-70-2	Calcium	2790			P
7440-47-3	Chromium	32.2		~~E~~ J	P
7440-48-4	Cobalt	15.5		~~E~~ J	P
7440-50-8	Copper	36.5			P
7439-89-6	Iron	46200			P
7439-92-1	Lead	15.7			P
7439-95-4	Magnesium	7960		~~E~~ J	P
7439-96-5	Manganese	601		~~E~~ J	P
7439-97-6	Mercury	0.034 ~~0.030~~	~~B~~	U	CV
7440-02-0	Nickel	38.0		~~E~~ J	P
7440-09-7	Potassium	2860		~~E~~ J	P
7782-49-2	Selenium	0.57	U		P
7440-22-4	Silver	0.11	U		P
7440-23-5	Sodium	77.9		~~E~~ J	P
7440-28-0	Thallium	0.33	U		P
7440-62-2	Vanadium	40.6		~~E~~ J	P
7440-66-6	Zinc	86.9		~~E~~ J	P

Comments:

FORM I - IN SW846

MW 11/24/08