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May 21, 2010

Mr. David Brauner
Site Assessment Manager
US EPA - Region 5
Office of Superfund **SE-6J**
77 West Jackson Blvd.
Chicago, IL 60604

RE: Fostoria Industries Inc.
CERCLIS ID OHN00510314

Dear Mr. Brauner:

The Site Investigation for the Fostoria Industries site was completed by Ohio EPA under a cooperative agreement with US EPA Region 5. Ohio performed this work in order to demonstrate whether or not the Fostoria Industries site is a National Priority List (NPL) caliber site by documenting observed releases, resultant contamination and potential targets.

Volatile Organic Compounds (VOCs) were detected in on-site soil and groundwater at concentrations greater than background. VOCs were also detected in off-site groundwater wells at concentrations greater than background.

Ohio has identified at least two separate potentially responsible parties as contributors to the contamination of the area aquifer, as indicated in Ohio EPA's final site inspection report dated August 11, 2009. However, the site does not score above 28.5 to warrant listing on the NLP. For this reason, Ohio EPA recommends that a No Further Remedial Action Planned (NFRAP) designation is appropriate for this Site. Ohio EPA is evaluating enforcement options to address the resultant contamination pursuant to Ohio's authority under state law.

Please feel free to contact me at (614) 836-8759 or by e-mail at wendy.vorwerk@epa.state.oh.us if you have any questions regarding Ohio's recommendation.

Sincerely,

Wendy Vorwerk
Temporary Working Level Site Assessment Supervisor
Assessment, Cleanup & Reuse Section
Division of Emergency & Remedial Response

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State of Ohio
Environmental Protection Agency

Division of Emergency and Remedial Response

Site Investigation Report
Fostoria Industries Inc.

Seneca County

April 30, 2009

Ted Strickland, Governor
Chris Korleski, Director

OHIO ENVIRONMENTAL PROTECTION AGENCY (OHIO EPA)

DIVISION OF EMERGENCY & REMEDIAL RESPONSE (DERR)

SITE INVESTIGATION (SI) REPORT

Fostoria Industries
Seneca County, Ohio

U.S. EPA ID: OHN000510314

April 30, 2009

Prepared by: Wendy Vorwerk, Environmental Specialist II, Site Investigation Field Unit — Date: 5/29/09

Reviewed by: Ed Gortner, Supervisor, Site Investigation Field Unit — Date: 5/29/09

Reviewed by: Ghassan Tafla, Environmental Specialist II, Northwest District Office — Date: 5-5-09

Approved by: Early Action Project Manager, USEPA Region 5 — Date: 6/1/10

SITE INVESTIGATION (SI) REPORT

For

Fostoria Industries Inc.
Fostoria, Seneca County, Ohio
U.S. EPA ID: OHN00510314

OHIO ENVIRONMENTAL PROTECTION AGENCY
Division of Emergency & Remedial Response
Lazarus Government Center
122 South Front Street
Columbus, Ohio 43216

April 30, 2009

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1.0 EXECUTIVE SUMMARY

The Ohio Environmental Protection Agency (OEPA) Division of Emergency and Remedial Response (DERR) entered into a cooperative agreement with the United States Environmental protection Agency (U.S. EPA) Region V to conduct a Site Investigation (SI) of the Fostoria Industries site, located in Fostoria, Seneca County, Ohio. The purpose of this report is present the analytical data and determine if an ongoing release is occurring at the site.

U.S. EPA approved the work plan for this SI on October 18, 2008. The sampling of soil and monitoring wells was conducted on October 22-23, 2008. A total of 16 samples including duplicates and backgrounds were collected on-site. The samples were analyzed through the U.S EPA Contract Laboratory Program (CLP) for the Target Compound List (TCL) organics, which included volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, and polychlorinated biphenyls (PCBs); and the Target Analyte List (TAL) metals and cyanide.

Sample results indicated significant levels of chlorinated solvents, primarily trichloroethylene (TCE), in several of the on-site ground water monitoring wells and on-site soils. Although most residential homes in the immediate area are connected to city water sources, there are still several potential targets outside of the city limits.

2.0 SITE BACKGROUND

2.1 Site Description

Fostoria Industries is an active manufacturing facility located at 1200 North Main Street in Fostoria, Seneca County, Ohio. (**Figures 1 & 2**). The site is located in an industrial and residential area of northern Fostoria. The site is bordered to the west by North Main, to the east by railroad tracks, to the north by the Former Chrysler Foundry, and to the south by residential and commercial/industrial areas.

The 12-acre facility encompasses 11 parcels as shown below.

Parcel Number	Acres
P51010859280000	0.1632
P51010859320000	0.1879
P51010859360000	0.1722
P51010859400000	0.1879
P51010859440000	0.1632
P51010859480000	0.1632
P51010859520000	0.1632
P51010859560000	0.1632
P51010859600000	0.2169
P51010859640000	6.945
P51010859680000	3.450

The main products produced include infrared heating and process heating equipment, industrial control panels, industrial and commercial task lighting systems, and metal fabrication. Currently, there are four buildings and six monitoring wells on-site. There is also one industrial well that is no longer used.

2.2 Site History

2.2.1 Northern Fostoria Ground Water Contamination

In May of 1984, high levels of trichloroethylene (TCE) in two process water wells at Bendix Autolite, a sparkplug manufacturing facility in northern Fostoria, were reported to the Ohio EPA. The company and Seneca County Department of Public Health (SCDPH) initiated further sampling, which included five nearby residential wells. Although initial sampling of the residential wells did not indicate off-site migration, further sampling later that same year detected chlorinated solvents in several residential wells.

In October 1984, Bendix Autolite contracted with T.A. Gleason and Associates, a Cincinnati based environmental consulting firm, to conduct a comprehensive ground water assessment on the site and surrounding area. As part of the investigation, 85 commercial and residential wells were sampled, including the Fostoria Industries industrial well (site well).

Volatile Organic Compounds (VOCs) were detected in 18 of the 78 residential wells that were sampled with concentrations ranging from 1 to 52 parts per billion (ppb). The highest concentration of VOCs was detected in the well located at 1712 Walnut Street. In this well, TCE was detected at 23.5 ppb. The site well at Fostoria Industries had TCE detected at 20,500 ppb, as well as other VOCs (Table 1). SCDPH issued a health advisory, and the homes were provided with bottled water.

In January of 1985, the Ohio EPA sent a questionnaire to 23 industries and small businesses in the Fostoria area concerning their past and present solvent usage and operating practices. From ground water samples and the questionnaire, other potential sources in the northern Fostoria area were identified. They include Bendix Autolite (AlliedSignal Inc.), Fostoria Industries, Roppe Rubber, Chrysler Foundry, Norton Manufacturing, National Electric Carbon Corp. (AKA Union Carbide), a former dry cleaner, and a quarry. (**Figure 3**)

April 1986, most all residences in the affected areas were connected to city water. However, there are five nearby residential wells currently being used as a primary water source. These are located north of Fostoria Industries and Bendix Autolite and can be seen on **Figure 6**. Many of the former residential wells still exist and are used for washing cars and watering lawns.

2.2.2 Fostoria Industries

According to the Fostoria Industries web site, the company was founded in 1917. It was originally known as the Fostoria Pressed Steel Corporation and produced after-market parts for the automotive industry, primarily fenders and running boards. This line of production led to the development of new applications, including infrared oven systems used for baking and curing paints on automobiles. Using the same principles as the infrared systems, innovations in industrial and commercial task lighting were developed and produced by Fostoria Industries.

The property first appeared on the Sanborn Fire Insurance maps in the early 1900's as "Press Steels" and "Fostoria Fender". Throughout its history, the company has had several different names including Fostoria Pressed Steel Corp., Fostoria Corporation and Fostoria-Fannon, Inc. In 1973, the company was purchased by Tennessee Plastic Industries Corp (TPI) and is currently a wholly owned subsidiary.

Fostoria Industries responded to the 1985 solvent use survey and indicated they

used TCE, toluene, and methyl ethyl ketone (MEK) on a regular basis. The average volume of hazardous wastes generated per year was about 960 gallons. Chemical Solvents of Cleveland, Ohio handled their hazardous waste. The company also acknowledged that TCE was stored in an overhead tank and dispersed by fill hose directly into a degreasing tank. No quantities were given. According to the survey, they used 1,595 gallons of toluene in 1984 and had been using it for 25 years; and 1,100 gallons of MEK was used in 1984 and they had been using it for about 10 years.

Fostoria Industries has one industrial well, the site well, which has not been used in many years. There is no well log on file, but a measurement by the Ohio EPA in 1997 documented the depth at 36 feet, eight inches. The well had no pump and a six-inch steel casing that was heavily rusted. In the 1985 questionnaire, Fostoria Industries stated that the well was used as a drinking water source until 1975, then as cooling process and boiler make-up water until it was abandoned.

The site well was sampled in December 1984l again in August 1990, and in October 1990 by IEP Environmental Consultants. The results appear in **Table 1** below.

Table1:
Sample Results for the Site Well
Parts Per Billion (ppb)

Compound	December, 1984	August, 1990	October, 1990
Trichloroethene	20,500	347	1,200
1,1,1-Trichloroethane	32.2	55.5	0.13
Tetrachloroethene	28	18	ND
Trans 1,2-Dichloroethene	148	16.4	ND
1,1-Dichloroethene	NA	8.9	ND
Vinyl Chloride	NA	NA	ND
Chloroform	16.3	NA	NA
Total Petroleum Hydrocarbons	NA	NA	1,200

In 1990, Fostoria Industries contracted with IEP Environmental Consultants to conduct an environmental assessment. Six monitoring wells were placed on-site and sampled. Four of the six wells are shallow wells with 2 inch diameter PVC casing and a 10 foot screen. A 4-inch steel protective casing surrounds the wells. The remaining two wells are deep and set at 100 feet. These wells have and 6 inch carbon steel casing, an open borehole from 90 to 100 feet and a 10 inch steel protective casing. The elevation data for the wells can be found in **Table 2** below. The well logs can be found in **Appendix D**.

Table 2: Summary of Ground Water Elevation Data (Feet) October 1990							
	MW-1	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**Site Well**
Depth to Water	12.09	12.7	11.3	11.7	13	12.2	11.97
Top of Casing Elevation	101.59	102.19	102.32	102	100.9	101.01	101.09
Ground Water Elevation	89.5	89.49	91.02	90.3	87.88	88.81	89.12
Screened Interval	8.5 - 18.5	8.0 - 18.0	6.0 - 16.0	90 - 100	90 - 100	7.0 - 17.0	UNKNOWN

The locations of the monitoring wells can be seen in **Figures 4 and 5**. MW-1 is 18.5 feet deep and is located in the TCE tank area not far from the site well. MW-2 is 18 feet deep and was place adjacent to the City of Fostoria sewer line which runs east-west across the site. This site was chosen due to the possibility that contaminants have leaked from the sewer line into the ground water on-site. MW-3, 16 feet deep, and MW-4, 100 feet deep, are the up gradient wells located in the southeast corner of the site. MW-5, 100 feet deep, and MW-6, 17 feet deep, are the down gradient wells located in the northwest corner of the site.

IEP Environmental sampled the wells in October of 1990. The samples were sent to Wadsworth/Alert Laboratories of Pittsburgh, Pennsylvania. The results are presented in **Table 3** below.

Table 3: Sample Results for the Monitoring Wells (ppb) October 1990						
Compound	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**
Trichloroethene	150	920	220	ND	380	ND
1,1,1-Trichloroethane	8	ND	ND	ND	110	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND
Trans 1,2-Dichloroethene	2.4	12,000	7	ND	29	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	140	ND	ND	ND	ND
Total Petroleum Hydrocarbons	ND	ND	ND	ND	ND	ND

In January of 2008, the Ohio EPA conducted a Pre-CERCLIS screening (PCS) of the Fostoria Industries site. This was followed by a Preliminary Assessment (PA), which was approved by USEPA on 10/18/2008.

2.3 Site Geology and Hydrogeology

IEP Environmental reported results of the on-site drilling in their 1991 report. Five to ten feet of glacial overburden was encountered. This overburden consists of brown soil with scattered black gravel grading into a brown to grey silty clay. Fill material was found at drilling locations near the buildings and was predominately brick, concrete and sand.

The bedrock is a tan to gray Lockport Formation dolomite. This consists of fine-grained carbonate with numerous, small solution cavities. There is also some secondary calcite and quartz mineralization. On the Fostoria Industries site, the upper 5 to 10 feet of the dolomite was severely weathered and a white/buff color. This layer contains the upper aquifer. The dolomite was moderately weathered from 15 to 30 feet below ground surface, and only slightly from 30-40 feet. Some fracturing and rust staining was present within the 100-foot interval indicating that they are water-bearing fractures.

The estimated yield for the deep wells is 50 to 100 gallons per minute (GPM). The shallow wells in the upper weathered dolomite have an estimated yield of 15-20 GPM. These estimates were based on well development observations and well evacuation during sampling.

From the ground water elevations (Table 2), the shallow ground water flow is to the northwest (Figure 4). The hydraulic gradient is 0.0024. Although there are only two deep wells, it appears that the flow of the deeper zone is also to the northwest. The deep wells appear to be hydraulically connected with the shallow zone, and a net ground water discharge from the shallow zone to the deeper zone exists.

3.0 SAMPLE LOCATIONS & DISCUSSION OF RESULTS

Sixteen soil and monitoring well samples, including backgrounds and duplicates, were collected during the October 22-23, 2008 Investigation. The sample locations can be found on the Sample Location Map, **Figure 5**. Standard Quality Assurance and Quality Control (QA/QC) procedures for Site Inspection field activities were followed during the investigation. These procedures, including sample collection, packaging and shipping, and equipment decontamination, are documented in the Quality Assurance Project Plan (QAPP) for Region 5 Superfund Site Inspection activities for Ohio EPA and Ohio EPA Field Standard Operating Procedures.

The samples were analyzed by U.S. EPA Contract Laboratory Program (CLP) laboratories. Analysis included the following parameters: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), Target Analyte List (TAL) metals and cyanide.

The sample results are reported in the units of either micrograms per liter (ug/L) which is equivalent to parts per billion (ppb), or milligrams per liter (mg/L) which is equivalent to parts per million (ppm). U.S. EPA Region 5 reviewed the CLP data for compliance with the Contract Laboratory Program, and validated the data using the Computer-Aided Data Review and Evaluation (CADRE) software package.

The CLP data package, including Form I and narratives are contained in **Appendix B**. Significant findings based on these data are summarized in **Tables 4 and 5**. Under the Hazard Ranking System Rule, results are considered significant if they are at least three times the background sample result and above the Contract Required Quantitation Limit (CRQL). The CRQLs can be found in **Appendix C**.

3.1 Soil Samples

Eight soil samples (SO-01 through SO-08) were collected during this investigation. The sample locations can be found on **Figure 5**. All of the soil samples were collected on-site from continuous core soil borings using the Geoprobe. The borings were drilled until refusal was encountered. Refusal ranged from 6.5 to 8 feet below ground surface.

Two samples, SO-04 and SO-05 were collected from the area where the TCE storage tank was once located. These samples were collected from 4-7’ and 4-5’ deep, respectively. Samples SO-01 and SO-03 were collected near the former TCE tank pad at 5-6’ and 4-6’ deep; and sample SO-02 was collected at 4-5’ deep and farther to the east to help determine extent of contamination. The background soil samples, SO-06 and SO-07, were collected in the far southeast

corner of the site near the up gradient monitoring wells at 4-5.5' and 4-5' deep. The duplicate sample was collected in conjunction with sample SO-04.

Significant soil sample results can be found in **Table 4** below. There were three significant compounds detected in the soils; TCE, chloroform and tetrachloroethene (PCE).

The highest concentration of TCE was detected in sample SO-03. The laboratory reported the initial sample result (CLP Number E2261) for TCE exceeded the calibration range of the instrument, thus the sample was reanalyzed at medium level (CLP Number E2261ME). The final result was a concentration of 700 ppb. Chloroform and PCE were also detected in this sample at 9.2 ppb and 7.0 ppb, respectively.

TCE was found in four other soil samples. The compound was detected at 75 ppb in sample SO-05, 5.9 ppb in sample SO-04, and 25 ppb in sample SO-08, the duplicate of SO-04. One background sample, SO-07, showed low level contamination at 9.5 ppb. Additionally, PCE in this sample was flagged as unusable and the sample was reanalyzed to obtain a valid result. No TCE was detected in the second background sample, SO-06.

Table 4: Significant Soil Sample Results

CLP Number :	E2259		E2260		E2261		E2261ME		E2262	
Sample Number :	SO-01		SO-02		SO-03		SO-03		SO-04	
Sample Location:	Near TCE Tank		East of Tank		Near TCE Tank		Near TCE Tank		TCE Tank	
Sample Depth:	5-6'		4-5'		4-6'		4-6'		4-7'	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	10/22/2008		10/22/2008		10/22/2008		10/22/2008		10/22/2008	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Chloroform					9.2					
Trichloroethene							700		5.9	J
Tetrachloroethene					7.0	J				

CLP Number :	E2266		E2264		E2265		E2265RE		E2263	
Sample Number :	SO-05		SO-06		SO-07		SO-07		SO-08	
Sample Location:	TCE Tank		Background		Background		Reanalysis		Duplicate	
Sample Depth:	4-5'		4-5.5'		4-5'		4-5'		4-7'	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	10/22/2008		10/22/2008		10/22/2008		10/22/2008		10/22/2008	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Chloroform			5.4	U	6.0	U	5.5	U		
Trichloroethene	75		5.4	U	9.5	J	2.4	J	25	
Tetrachloroethene			5.4	U	6.0	R	5.5	U		

J= the value is estimated; R=the data is unusable; U=the compound was not detected.

3.2 Monitoring Well Samples

Eight monitoring well samples were collected from the seven existing monitoring wells on-site. MW-03 (16' deep) and MW-04 (100' deep) are the up gradient wells. MW-05 (100' deep) and MW-06 (18.6' deep) are the down gradient wells. MW-01 (18.5' deep) is located near the old TCE storage tank, and MW-02 (18.0' deep) is located near the sewer line. The seventh well sampled was the site well that FI once used as an industrial well. This well was 34' deep at the time of sampling.

Significant monitoring well sample results can be found in **Table 5** below. TCE was detected in five of the seven wells sampled. The highest concentration was found in MW-01 at 2,100 ppb after the sample was diluted and reanalyzed. TCE was found in the site well at a concentration of 170 ppb, and in MW-02 at 330 ppb.

MW-02 had the highest number of contaminants detected. This well is located near a sewer line where there is a possibility of contaminants leaking from the sewer line into the ground water on-site. In addition to TCE, three dichloroethene (DCE) compounds and vinyl chloride (VC) was detected. All of these compounds are breakdown products of TCE.

Low level of TCE was found in the shallow up gradient well, MW-03, at 7.7 ppb. This result was taken into account when determining significant concentration levels in the other wells. The deep down gradient well, MW-05, also showed low level TCE contamination at 26 ppb.

Table 5: Significant Monitoring Well Sample Results

CLP Number :	E2258		E2251		E2251DL		E2252		E2252DL	
Sample Number:	Site Well		MW-01		MW-01		MW-02		MW-02	
Well Depth:	34'		18.5'		18.5'		18.0'		18'	
Sampling Location :	Inside		TCE Tank Area				Sewer Line			
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/23/2008		10/22/2008		10/22/2008		10/22/2008		10/22/2008	
pH :	2.0		2.0		2.0		2.0		2.0	
Dilution Factor :	1.0		1.0		16.0		1.0		20.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Vinyl chloride							600	J	500	
1,1-Dichloroethene							6.2			
trans-1,2-Dichloroethene							14			
cis-1,2-Dichloroethene			8.3				2300	J	1900	
Chloroform	5.2									
1,1,1-Trichloroethane			3.2	J						
Trichloroethene	170		1800	J	2100	J	330	J	250	
Tetrachloroethene										

J= the value is estimated

Table 5: Continued

CLP Number :	E2253		E2254		E2255		E2256		E2257	
Sample Number:	MW-03		MW-04		MW-05		MW-06		MW-07	
Well Depth:	16'		100'		100'		18.6'			
Sampling Location :	Up Gradient		Up Gradient		Down Gradient		Down Gradient		Dup of MW-06	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/22/2008		10/23/2008		10/23/2008		10/23/2008		10/23/2008	
pH :	2.0		2.0		2.0		2.0		2.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Vinyl chloride	5.0	U	5.0	U						
1,1-Dichloroethene	5.0	U	5.0	U						
trans-1,2-Dichloroethene	5.0	U	5.0	U						
cis-1,2-Dichloroethene	5.0	U	5.0	U						
Chloroform	5.0	U	5.0	U						
1,1,1-Trichloroethane	5.0	U	5.0	U						
Trichloroethene	7.7		5.0	U	26					
Tetrachloroethene	5.0	U	5.0	U						

J= the value is estimated; U=the compound was not detected.

4.0 MIGRATION PATHWAYS

4.1 Soil Exposure Pathway

The Fostoria Industries site is located in an industrial and nearby residential area of Fostoria. The site is mostly covered by buildings and asphalt parking areas, with some grassy areas. A maintained fence surrounds the rear half of the site.

According to the Fostoria Industries web site, there are 139 employees on-site. There are no resident individuals, which are defined by HRS rule as a person who lives or attends school on and within 200 feet an area of contamination. The nearby population within one mile is 4,560. Census information can be found in **Appendix E**.

4.2 Ground Water Pathway

The ground water pathway is the main pathway of concern. There is known ground water contamination in the Fostoria area. Although the homes that were initially affected have been connected to the municipal water supply, there are several residential homes outside the city limits to the north and west that utilize ground water wells as their primary water source.

The city of Fostoria obtains their drinking water mostly from surface water sources. However, there are three ground water wells that are used as a stand-by water source. These wells are located in a wellhead protection area on the west side of the city near the drinking water reservoirs and have not been used for the past eight years, and thus were not sampled for this investigation.

There are two other community ground water systems with in a four-mile radius of the site. A day care center located about 3,600 feet to the southeast, and the Fostoria Mobile Home Estates located 1.96 miles to the north, which serves 195 people. These systems were not sampled during this investigation due to their distance from the source. Maps and data tables for this information can be found in **Appendix E**.

Fifteen former and current residential wells were sampled one week prior to this investigation as part of the Bendix Autolite Supplemental Expanded Site Investigation (SESI). Four residential wells are being used as a primary drinking water source. The location of these homes can be seen on **Figure 6**. The eleven other wells sampled were from homes connected to municipal water supplies, but still had accessible wells.

All four current residential wells sampled had no detections of VOCs.. Of the eleven former residential wells, five had significant detections of chlorinated solvents. The highest concentration was at 1525 N. Union Street where TCE

detected at 6.0 ppb. Because there are several known sources of chlorinated solvents in the immediate area, attribution to one particular source cannot be determined.

4.3 Surface Water Pathway

Runoff from the Fostoria Industries site flows into the sewer system and wastewater treatment plant located downstream from the water treatment plant. The surface water intakes for the city of Fostoria are located in two reservoirs (upstream from the wastewater plant) on the west side of the city. The population served is about 15,000 people. Maps and data tables for this information can be found in **Appendix E**.

4.4 Air Pathway

The Fostoria Industries site is an active manufacturing facility. Most of the land is covered with buildings or asphalt parking areas. There are some grassy areas that are maintained. The possibility of contaminants migrating as gas or particulates is low.

The estimated population according to the 2000 census is as follows:

Radius	Population
0 - 1/4	260
1/4 - ½	1,256
½ - 1	3,044
1-2	6,373
2-3	4,028
3-4	2,266
Total	17,227

4.0 SUMMARY

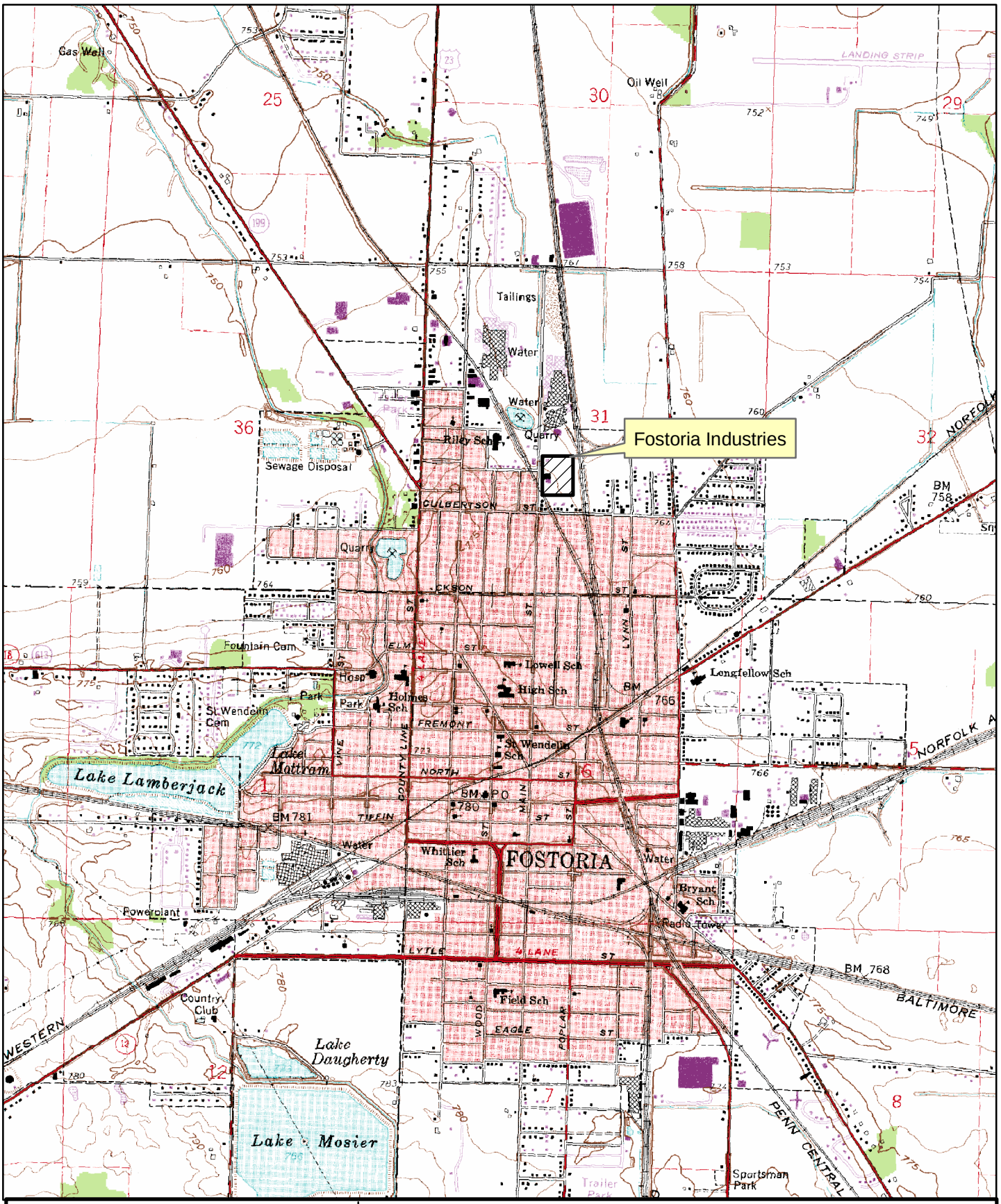
There has been documented ground water contamination around the northern Fostoria area and under the FI site since 1984. From the sample results of this investigation, it appears FI is a contributing source of TCE to the surrounding aquifer.

Although low level TCE was detected in the shallow up gradient well, the wells around the former TCE storage tank showed contamination as high as 2,100 ppb. TCE was also detected in the soils around this area at 700 ppb. TCE was not detected in the shallow down gradient well, but was at low levels in the deep down gradient well. It is possible that a TCE contamination plume is leaving the property but is not being intercepted by the down gradient wells.

Although most homes in the immediate area are connected to city water sources, there are still at least five potential targets outside of the city limits. Due to these facts, it is recommended that the Fostoria Industries site be included as a source for the continuing TCE ground water contamination problem in the northern Fostoria Area.

Appendix A

Figures



FOSTORIA INDUSTRIES
FOSTORIA, SENECA COUNTY, OHIO
USGS QUADANGLE

FIGURE 1: SITE LOCATION MAP

Ohio Environmental Protection Agency

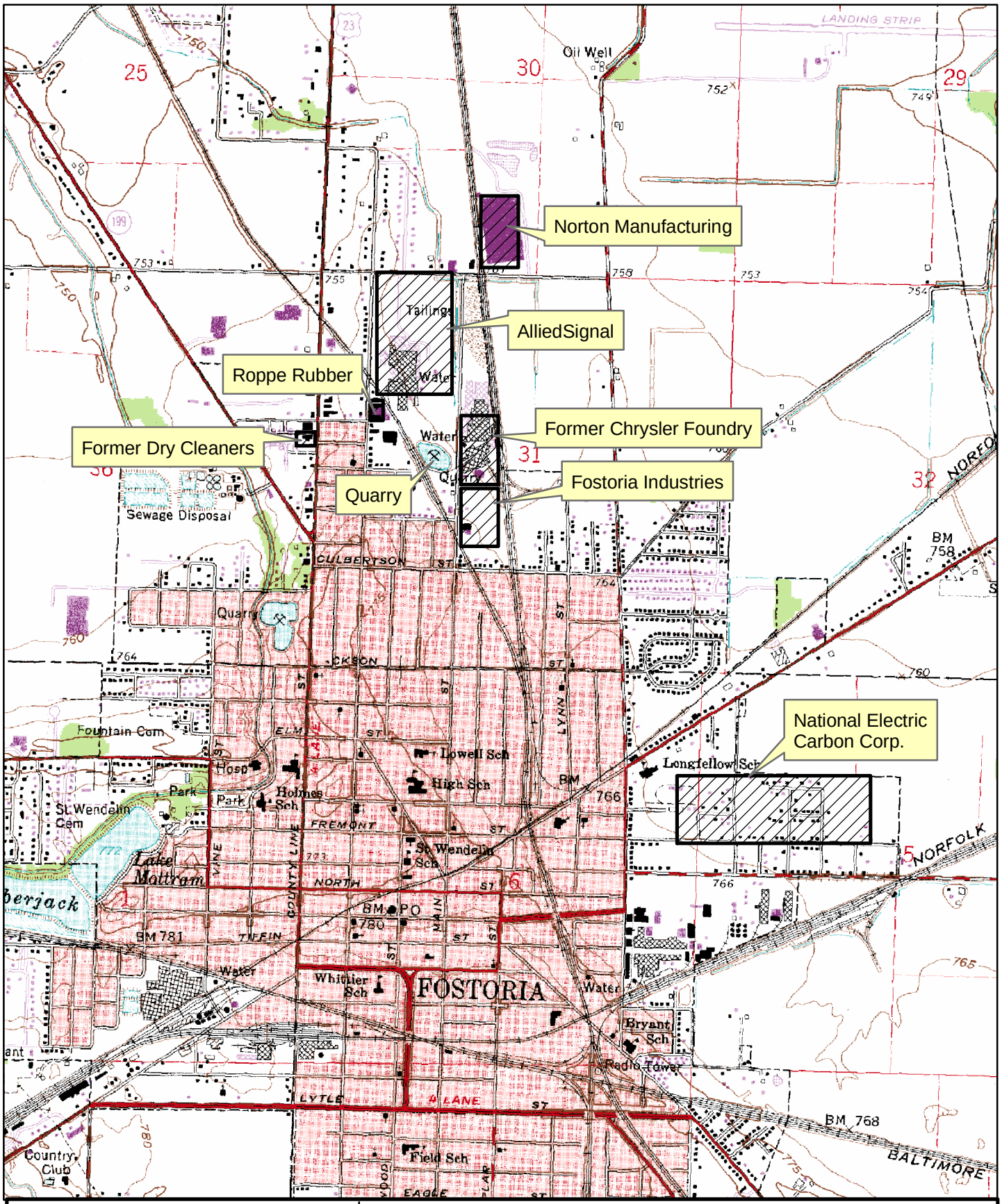
0 500 1,000 2,000 3,000 4,000 Feet

FOSTORIA INDUSTRIES
FOSTORIA, SENECA COUNTY, OHIO
2005 AERIAL PHOTOGRAPH

FIGURE 2: AERIAL PHOTOGRAPH

Ohio Environmental Protection Agency

0 500 1,000 2,000 3,000 4,000
Feet

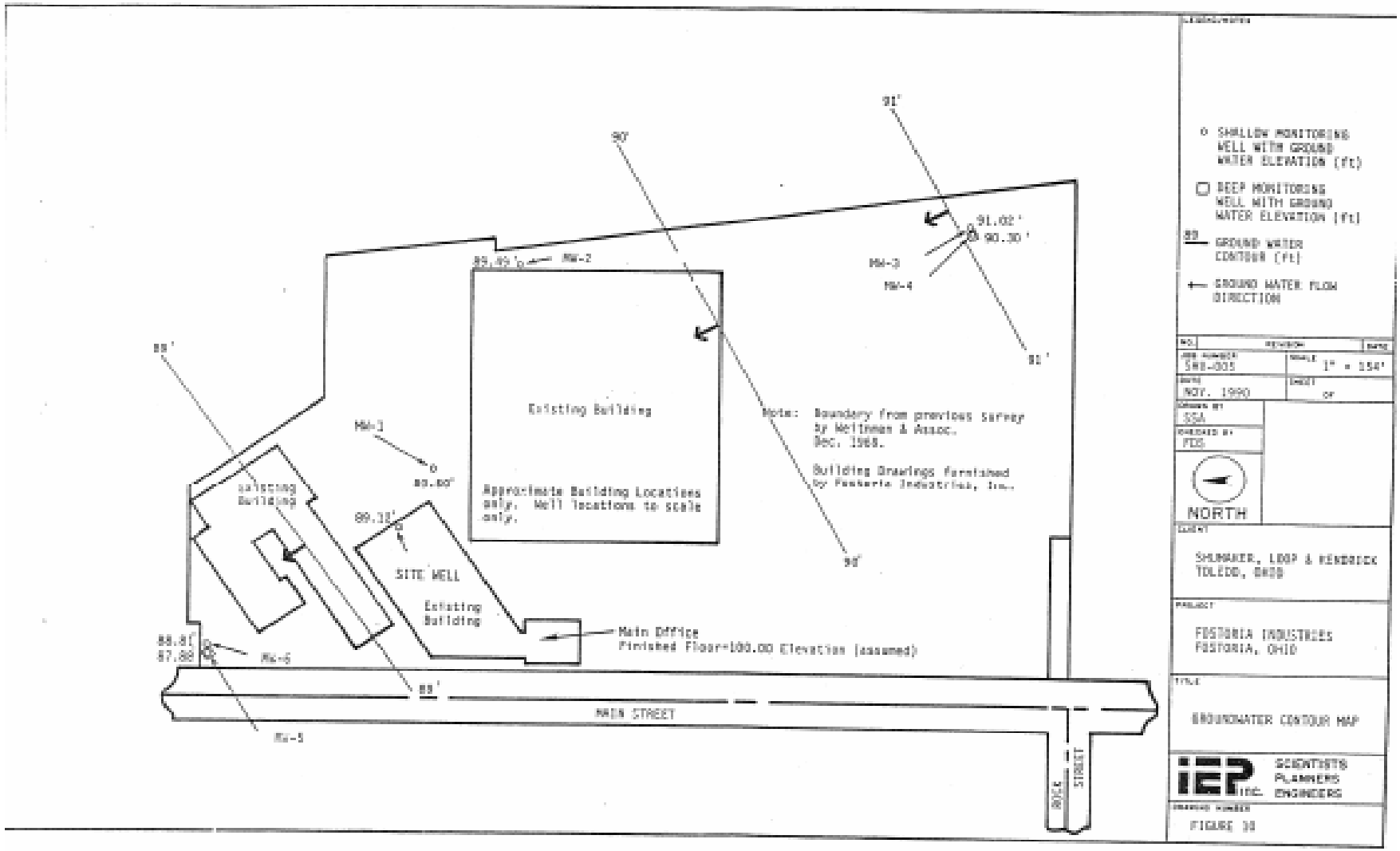


FOSTORIA INDUSTRIES
FOSTORIA, SENECA COUNTY, OHIO
USGS QUADANGLE

FIGURE 3: OTHER IDENTIFIED POSSIBLE SOURCES

Ohio Environmental Protection Agency

0 450 900 1,800 2,700 3,600 Feet



FOSTORIA INDUSTRIES
FOSTORIA, SENECA COUNTY, OHIO

FIGURE 4: GROUND WATER CONTOUR FLOW MAP

From IEP Environmental Consultants

SCALE : UNKNOWN

FOSTORIA INDUSTRIES
FOSTORIA, SENECA COUNTY, OHIO
2005 AERIAL PHOTOGRAPH

FIGURE 5: SAMPLE LOCATION MAP

Ohio Environmental Protection Agency

0 25 50 100 150 200 Feet

N
W E
S

FOSTORIA INDUSTRIES
FOSTORIA, SENECA COUNTY, OHIO
2005 AERIAL PHOTOGRAPH

FIGURE 6: NEARBY RESIDENTIAL WELLS

Ohio Environmental Protection Agency

0 225 450 900 1,350 1,800 Feet

Appendix B

Complete Analytical Results

Controlled Document

ESAT5.16.00206 - pdf 8 Jan 09

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE: 8 Jan 09

SUBJECT: Review of Data
Received for Review on: November 18, 2008

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

for Steve Ostrodka
Richard L Bynth

TO: Data User: OEPA

We have reviewed the data for the following case:

SITE Name: Fostoria Industries (OH)

Case Number: 37971 SDG Number: E2259

Number and Type of Samples: 8 Soil (Low Level Volatiles, Semivolatiles, Pesticides, Aroclors)

Sample Numbers: E2259 – E2266

Laboratory: Mitkem Laboratories Hrs for Review:

Following are our findings:

the data are useable and acceptable with the qualifications described in the attached narrative.

Richard L Bynth

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Case Number: 37971
Site Name: Fostoria Industries (OH)

SDG Number: E2259
Laboratory: Mitkem Laboratories

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Eight (8) soil samples labeled E2259 through E2266 were shipped to Mitkem Corporation in Warwick, RI. All samples were collected October 22, 2008 and received October 24, 2008 intact and at the proper shipping temperature range of 2 - 6°C.

All samples were analyzed for low level volatile, semivolatile, pesticide, and aroclor target compounds. All samples were analyzed according to CLP SOW SOM01.2 (8/2007) and reviewed according to the NFG for SOM01.2 and the SOP for ESAT 5/TechLaw Validation of Contract Laboratory Program Organic Data (Version 2.2).

Sample E2259 was designated by the samplers to be used for laboratory QC, i.e. MS / MSD analyses.

No samples were identified as trip blanks, field blanks, or field duplicates.

Reviewed by: Christina Steinbuck / Techlaw-ESAT
Date: January 5, 2009

Case Number: 37971
Site Name: Fostoria Industries (OH)

SDG Number: E2259
Laboratory: Mitkem Laboratories

1. HOLDING TIME

No problems were found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were found.

3. CALIBRATION

The following volatile samples are associated with an initial calibration with relative response factors (RRFs) outside criteria. The compound was not detected in the samples. The non-detected compound is qualified "R".

1,4-Dioxane
E2259, E2259MS, E2259MSD, E2260, E2261, E2262, E2263, E2264, E2265, E2265RE, E2266, VBLK6M, VBLKO5, VBLKS5, VBLKT5, VHBLKT5

The following volatile samples are associated with an initial calibration in which a DMC did not meet relative response factor (RRF) criteria. Detected and non-detected compounds are not qualified.

1,4-Dioxane-d8
E2259, E2259MS, E2259MSD, E2260, E2261, E2261ME, E2262, E2263, E2264, E2265, E2265RE, E2266, VBLK6M, VBLK6T, VBLKO5, VBLKS5, VBLKT5, VHBLKT5, VHBLKT6

The following volatile samples are associated with an initial calibration in which a DMC exceeded percent relative standard deviation (%RSD) criteria. Detected and non-detected compounds are not qualified.

1,1-Dichloroethene-d2
E2259, E2261, E2265, E2266, VBLK6M

The following volatile samples are associated with an opening CCV percent difference (%D) outside criteria. The compound was not detected in the samples. The non-detected compound is qualified "UJ".

Bromomethane
E2261ME, VBLK6T, VHBLKT6

The following semivolatile samples are associated with an opening CCV percent difference (%D) outside criteria. Detected compounds are qualified "J". Non-detected compounds are qualified "UJ".

Isophorone
E2259, E2259MS, E2259MSD, E2260, E2261, E2262, E2263, E2264, E2265, SBLK2T

2-Methylphenol, 4-Methylphenol
E2266

The following semivolatile samples are associated with an opening CCV in which a surrogate/DMC exceeded percent difference (%D) criteria. Detected and non-detected compounds are not qualified.

2-Nitrophenol-d4
E2259, E2259MS, E2259MSD, E2260, E2261, E2262, E2263, E2264, E2265, SBLK2T

4. BLANKS

The following volatile sample was analyzed after a highly contaminated sample with no intervening instrument blank. The detected compound is qualified "J" due to the possibility of carry-over.

E2265
Trichloroethene

5. DEUTERATED MONITORING COMPOUND AND SURROGATE RECOVERY

The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. The detected compounds; Trichloroethene in samples E2261 and E2265, and Tetrachloroethene in sample E2261, are qualified "J". Non-detected compounds are not qualified. Ultimately, the following non-detected compounds; Cyclohexane, Benzene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, Toluene, Tetrachloroethene, Ethylbenzene, o-Xylene, m,p-Xylene, Styrene, and Isopropylbenzene, in sample E2265 are qualified "R" due to internal standard criteria.

E2261
Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon disulfide, Cyclohexane, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, Toluene, Tetrachloroethene, Ethylbenzene, m,p-Xylene, o-Xylene, Styrene, Isopropylbenzene

E2265
Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Carbon disulfide, Cyclohexane, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, Toluene, Tetrachloroethene, Ethylbenzene, m,p-Xylene, o-Xylene, Styrene, Isopropylbenzene

E2265RE

Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon disulfide, Cyclohexane, Benzene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane

E2266
Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon disulfide, Benzene

The following volatile samples have one or more DMC/SMC recovery values less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. The compounds were not detected in the samples. Non-detected compounds are qualified "UJ". Ultimately, the non-detected compound, 1,2-Dibromo-3-chloropropane, in sample E2261 is qualified "R" because of internal standard criteria.

E2261
1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

E2261ME
Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon disulfide

The following volatile sample has one or more DMC/SMC recovery values less than the expanded lower limit (20%). The compounds were not detected in the sample. Non-detected compounds are qualified "R".

E2265
4-Methyl-2-pentanone, 2-Hexanone

6A. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample E2259 was designated by the samplers to be used for laboratory QC, i.e. MS / MSD analyses.

The following pesticide matrix spike/matrix spike duplicate samples have percent recoveries that are greater than or equal to the lower expanded criteria limit but less than the lower primary criteria limit. The compound was not detected in the unspiked sample, E2259. The non-detected compound in the unspiked sample, E2259, is qualified "UJ".

E2259MS, E2259MSD
gamma-BHC (Lindane)

6B. LABORATORY CONTROL SAMPLE

No problems were found.

7. FIELD BLANK AND FIELD DUPLICATE

No samples were identified as trip blanks, field blanks, or field duplicates. Results are not qualified based upon the results of the field duplicates.

8. INTERNAL STANDARDS

The following volatile samples have internal standard area counts that are outside the lower limit of primary criteria. The detected compound, Trichloroethene in sample E2265, is qualified "J". Non-detected compounds are qualified "R".

E2261, E2265RE
Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

E2265
1,1,1-Trichloroethane, Cyclohexane, Carbon tetrachloride, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Bromodichloromethane, cis-1,3-Dichloropropene, 4-Methyl-2-pentanone, Toluene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Tetrachloroethene, 2-Hexanone, Dibromochloromethane, 1,2-Dibromoethane, Chlorobenzene, Ethylbenzene, o-Xylene, m,p-Xylene, Styrene, Bromoform, Isopropylbenzene, 1,1,2,2-Tetrachloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene

9. COMPOUND IDENTIFICATION

After reviewing the chromatograms it appears that all volatile, semivolatile, pesticide, and aroclor compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J".

E2260, E2262, E2265RE
Trichloroethene

E2266, VBLKT5
Tetrachloroethene

A library search indicates a match below 85% for a TIC compound in the volatile sample. Detected compounds are qualified "J".

Unknown – 4.768, Unknown – 8.679

E2261

The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J".

E2259, E2259MS, E2259MSD, E2260, E2261, E2262, E2263, E2264, E2265, E2266
Bis(2-ethylhexyl)phthalate

A library search indicates a match below 85% for a TIC compound in the semivolatile sample. Detected compounds are qualified "J".

Unknown – 4.715, Unknown – 13.370, Unknown – 17.053, Unknown – 19.587
E2265

Unknown – 4.725, Unknown – 4.822, Unknown – 9.342, Unknown – 13.348, Unknown – 15.034, Unknown – 18.051, Unknown – 19.597, Unknown – 19.640
E2264

Unknown – 4.726, Unknown – 9.343, Unknown – 17.064, Unknown – 18.030, Unknown – 19.598, Unknown – 19.652
E2262

Unknown – 4.736, Unknown – 4.844, Unknown – 5.724, Unknown – 21.295, Unknown – 21.499
SBLK2T

Unknown – 4.737, Unknown – 4.834, Unknown – 5.725, Unknown – 9.355, Unknown – 13.371, Unknown – 18.053, Unknown – 20.555
E2261

Unknown – 4.833, Unknown – 16.957
E2263

Unknown – 5.649, Unknown – 9.279, Unknown – 17.977, Unknown – 18.009, Unknown – 19.555, Unknown – 19.609, Unknown – 19.663
E2266

Unknown – 5.713
E2262, E2264, E2265

Unknown – 5.714
E2259, E2263

Unknown – 5.716, Unknown – 12.439, Unknown – 13.373, Unknown – 14.704, Unknown – 15.037, Unknown – 15.821, Unknown – 16.573, Unknown – 16.959,

Unknown – 17.067, Unknown – 18.022, Unknown – 18.055, Unknown – 19.601, Unknown – 19.708
E2260

Unknown – 7.819, Unknown – 16.968, Unknown – 20.565
E2259

Unknown – 16.956
E2262, E2265

Unknown – 18.019
E2264, E2265

Unknown – 18.020
E2259, E2261, E2263

Unknown – 18.052
E2259, E2262, E2263, E2265

Unknown – 19.599
E2259, E2261, E2263

The following pesticide sample has analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J".

PLCS4M
gamma-BHC (Lindane), Heptachlor epoxide, Dieldrin, 4,4'-DDE, Endrin, Endosulfan sulfate, gamma-Chlordane

The relative percent difference between analyte results for the following pesticide samples is greater than 25%. The analyte concentrations are greater than 25% of the CRQL. The detected compound is qualified "J".

E2259MS, E2259MSD
Heptachlor

The following aroclor sample has analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J".

ALCS3D
Aroclor-1016

11. SYSTEM PERFORMANCE

The GC/MS baseline indicated acceptable performance. The GC baseline was acceptable.

Case Number: 37971
Site Name: Fostoria Industries (OH)

SDG Number: E2259
Laboratory: Mitkem Laboratories

12. ADDITIONAL INFORMATION

The following volatile sample has compound concentrations which exceed the instruments calibration range. The detected results are qualified "J". The results from the medium level analyses, E2261ME, should be considered the final concentrations for the affected compound.

E2261
Trichloroethene

The CADRE and EDD spreadsheets did not include the following pesticide and aroclor samples. The laboratory Form I for these samples are included with the hard copy data package.

ALCS3D, PLCS4M

Case Number: 37971
Site Name: Fostoria Industries (OH)

SDG Number: E2259
Laboratory: Mitkem Laboratories

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present.)

Reviewed by: Christina Steinbuck / Techlaw-ESAT
Date: January 5, 2009

National Functional Guidelines Report # 9

19:29 Sat, Nov 15, 2008

Lab MITKEM (Mitkem Corporation) **SDG** E2259 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66126 **SOW** SOM01.2

Tentatively identified Compounds

VOA_Low_Med Sample=E2261 Location=SO-03 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	4.768	13	ug/Kg	J
	Unknown-02	8.679	23		J

National Functional Guidelines Report # 9

Lab MITKEM (Mitkem Corporation) **SDG** E2259 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66126 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2259 Location=SO-01 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	5.714	84	ug/Kg	J
	Unknown-02	7.819	720		J
	Unknown-03	16.968	91		J
	Unknown-04	18.02	230		J
	Unknown-05	18.052	580		J
	Unknown-06	19.599	220		J
	Unknown-07	20.565	98		J

National Functional Guidelines Report # 9

19:29 Sat, Nov 15, 2008

Lab MITKEM (Mitkem Corporation) **SDG** E2259 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66126 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2260 Location=SO-02 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	5.716	100	ug/Kg	J
	Unknown-02	12.439	78		J
	Unknown-03	13.373	190		J
	Unknown-04	14.704	77		J
	Unknown-05	15.037	90		J
	Unknown-06	15.821	75		J
	Unknown-07	16.573	77		J
	Unknown-08	16.959	99		J
	Unknown-09	17.067	92		J
	Unknown-10	18.022	420		J
	Unknown-11	18.055	680		J
	Unknown-12	19.601	320		J
	Unknown-13	19.708	160		J

National Functional Guidelines Report # 9

Lab MITKEM (Mitkem Corporation) **SDG** E2259 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66126 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2261 Location=SO-03 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	4.737	87	ug/Kg	J
	Unknown-02	4.834	93		J
	Unknown-03	5.725	140		J
	Unknown-04	9.355	98		J
	Unknown-05	13.371	110		J
	Unknown-06	18.02	190		J
	Unknown-07	18.053	520		J
	Unknown-08	19.599	320		J
	Unknown-09	20.555	110		J

National Functional Guidelines Report # 9

Lab MITKEM (Mitkem Corporation) **SDG** E2259 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66126 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2262 Location=SO-04 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	4.726	100	ug/Kg	J
	Unknown-02	5.713	130		J
	Unknown-03	9.343	110		J
	Unknown-04	16.956	95		J
	Unknown-05	17.064	91		J
	Unknown-06	18.03	710		J
	Unknown-07	18.052	1000		J
	Unknown-08	19.598	530		J
	Unknown-09	19.652	130		J

National Functional Guidelines Report # 9

19:29 Sat, Nov 15, 2008

Lab MITKEM (Mitkem Corporation) **SDG** E2259 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66126 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2263 Location=SO-08 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	4.833	110	ug/Kg	J
	Unknown-02	5.714	120		J
	Unknown-03	16.957	86		J
	Unknown-04	18.02	660		J
	Unknown-05	18.052	970		J
	Unknown-06	19.599	520		J

National Functional Guidelines Report # 9

Lab MITKEM (Mitkem Corporation) **SDG** E2259 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66126 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2264 Location=SO-06 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	4.725	86	ug/Kg	J
	Unknown-02	4.822	81		J
	Unknown-03	5.713	140		J
	Unknown-04	9.342	88		J
	Unknown-05	13.348	110		J
	Unknown-06	15.034	87		J
	Unknown-07	18.019	270		J
	Unknown-08	18.051	610		J
	Unknown-09	19.597	270		J
	Unknown-10	19.64	99		J

National Functional Guidelines Report # 9

19:29 Sat, Nov 15, 2008

Lab MITKEM (Mitkem Corporation) **SDG** E2259 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66126 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2265 Location=SO-07 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	4.715	79	ug/Kg	J
	Unknown-02	5.713	110		J
	Unknown-03	13.37	110		J
	Unknown-04	16.956	120		J
	Unknown-05	17.053	94		J
	Unknown-06	18.019	400		J
	Unknown-07	18.052	870		J
	Unknown-08	19.587	370		J

National Functional Guidelines Report # 9

Lab MITKEM (Mitkem Corporation) **SDG** E2259 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66126 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2266 Location=SO-05 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	5.649	100	ug/Kg	J
	Unknown-02	9.279	160		J
	Unknown-03	17.977	390		J
	Unknown-04	18.009	780		J
	Unknown-05	19.555	370		J
	Unknown-06	19.609	130		J
	Unknown-07	19.663	87		J

National Functional Guidelines Report # 9

Lab MITKEM (Mitkem Corporation) **SDG** E2259 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66126 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=SBLK2T Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	4.736	79	ug/Kg	J
	Unknown-02	4.844	70		J
	Unknown-03	5.724	78		J
	Unknown-04	21.295	70		J
	Unknown-05	21.499	100		J

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Number of Soil Samples : 8
Number of Water Samples : 0
Number of Sediment Samples : 0

Sample Number :	E2259		E2259MS		E2259MSD		E2260		E2261	
Sampling Location :	SO-01		SO-01		SO-01		SO-02		SO-03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	10/22/2008						10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	16		16		16		11		21	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Chloromethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Vinyl chloride	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Bromomethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Chloroethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Trichlorofluoromethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
1,1-Dichloroethene	6.2	U	51		48		5.5	U	6.1	U
1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Acetone	12	U	12	U	12	U	11	U	12	U
Carbon disulfide	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Methyl acetate	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Methylene chloride	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
trans-1,2-Dichloroethene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Methyl tert-butyl ether	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
1,1-Dichloroethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
cis-1,2-Dichloroethene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
2-Butanone	12	U	12	U	12	U	11	U	12	U
Bromochloromethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Chloroform	6.2	U	6.0	U	5.8	U	5.5	U	9.2	
1,1,1-Trichloroethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Cyclohexane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Carbon tetrachloride	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Benzene	6.2	U	66		68		5.5	U	6.1	U
1,2-Dichloroethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
1,4-Dioxane	120	R	120	R	120	R	110	R	120	R
Trichloroethene	6.2	U	64		67		3.9	J	260	J
Methylcyclohexane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
1,2-Dichloropropane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Bromodichloromethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
cis-1,3-Dichloropropene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
4-Methyl-2-pentanone	12	U	12	U	12	U	11	U	12	U
Toluene	6.2	U	65		68		5.5	U	6.1	U
trans-1,3-Dichloropropene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2259		E2259MS		E2259MSD		E2260		E2261	
Sampling Location :	SO-01		SO-01		SO-01		SO-02		SO-03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	10/22/2008						10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	16		16		16		11		21	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Tetrachloroethene	6.2	U	6.0	U	5.8	U	5.5	U	7.0	J
2-Hexanone	12	U	12	U	12	U	11	U	12	U
Dibromochloromethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
1,2-Dibromoethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Chlorobenzene	6.2	U	63		66		5.5	U	6.1	U
Ethylbenzene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
o-Xylene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
m,p-Xylene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Styrene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
Bromoform	6.2	U	6.0	U	5.8	U	5.5	U	6.1	R
Isopropylbenzene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	U
1,1,2,2-Tetrachloroethane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	UJ
1,3-Dichlorobenzene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	R
1,4-Dichlorobenzene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	R
1,2-Dichlorobenzene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	R
1,2-Dibromo-3-chloropropane	6.2	U	6.0	U	5.8	U	5.5	U	6.1	R
1,2,4-Trichlorobenzene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	R
1,2,3-Trichlorobenzene	6.2	U	6.0	U	5.8	U	5.5	U	6.1	R

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2261ME		E2262		E2263		E2264		E2265	
Sampling Location :			SO-04		SO-08		SO-06		SO-07	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			10/22/2008		10/22/2008		10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	21		21		22		14		13	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	370	UJ	6.1	U	6.0	U	5.4	U	6.0	U
Chloromethane	370	UJ	6.1	U	6.0	U	5.4	U	6.0	U
Vinyl chloride	370	U	6.1	U	6.0	U	5.4	U	6.0	U
Bromomethane	370	UJ	6.1	U	6.0	U	5.4	U	6.0	U
Chloroethane	370	UJ	6.1	U	6.0	U	5.4	U	6.0	U
Trichlorofluoromethane	370	U	6.1	U	6.0	U	5.4	U	6.0	U
1,1-Dichloroethene	370	U	6.1	U	6.0	U	5.4	U	6.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	370	U	6.1	U	6.0	U	5.4	U	6.0	U
Acetone	740	U	12	U	12	U	11	U	12	U
Carbon disulfide	370	UJ	6.1	U	6.0	U	5.4	U	6.0	U
Methyl acetate	370	U	6.1	U	6.0	U	5.4	U	6.0	U
Methylene chloride	370	U	6.1	U	6.0	U	5.4	U	6.0	U
trans-1,2-Dichloroethene	370	U	6.1	U	6.0	U	5.4	U	6.0	U
Methyl tert-butyl ether	370	U	6.1	U	6.0	U	5.4	U	6.0	U
1,1-Dichloroethane	370	U	6.1	U	6.0	U	5.4	U	6.0	U
cis-1,2-Dichloroethene	370	U	6.1	U	6.0	U	5.4	U	6.0	U
2-Butanone	740	U	12	U	12	U	11	U	12	U
Bromochloromethane	370	U	6.1	U	6.0	U	5.4	U	6.0	U
Chloroform	370	U	6.1	U	6.0	U	5.4	U	6.0	U
1,1,1-Trichloroethane	370	U	6.1	U	6.0	U	5.4	U	6.0	R
Cyclohexane	370	U	6.1	U	6.0	U	5.4	U	6.0	R
Carbon tetrachloride	370	U	6.1	U	6.0	U	5.4	U	6.0	R
Benzene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
1,2-Dichloroethane	370	U	6.1	U	6.0	U	5.4	U	6.0	U
1,4-Dioxane	7400	U	120	R	120	R	110	R	120	R
Trichloroethene	700		5.9	J	25		5.4	U	9.5	J
Methylcyclohexane	370	U	6.1	U	6.0	U	5.4	U	6.0	R
1,2-Dichloropropane	370	U	6.1	U	6.0	U	5.4	U	6.0	R
Bromodichloromethane	370	U	6.1	U	6.0	U	5.4	U	6.0	R
cis-1,3-Dichloropropene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
4-Methyl-2-pentanone	740	U	12	U	12	U	11	U	12	R
Toluene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
trans-1,3-Dichloropropene	370	U	6.1	U	6.0	U	5.4	U	6.0	R

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2261ME		E2262		E2263		E2264		E2265	
Sampling Location :			SO-04		SO-08		SO-06		SO-07	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			10/22/2008		10/22/2008		10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	21		21		22		14		13	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	370	U	6.1	U	6.0	U	5.4	U	6.0	R
Tetrachloroethene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
2-Hexanone	740	U	12	U	12	U	11	U	12	R
Dibromochloromethane	370	U	6.1	U	6.0	U	5.4	U	6.0	R
1,2-Dibromoethane	370	U	6.1	U	6.0	U	5.4	U	6.0	R
Chlorobenzene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
Ethylbenzene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
o-Xylene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
m,p-Xylene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
Styrene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
Bromoform	370	U	6.1	U	6.0	U	5.4	U	6.0	R
Isopropylbenzene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
1,1,2,2-Tetrachloroethane	370	U	6.1	U	6.0	U	5.4	U	6.0	R
1,3-Dichlorobenzene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
1,4-Dichlorobenzene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
1,2-Dichlorobenzene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
1,2-Dibromo-3-chloropropane	370	U	6.1	U	6.0	U	5.4	U	6.0	R
1,2,4-Trichlorobenzene	370	U	6.1	U	6.0	U	5.4	U	6.0	R
1,2,3-Trichlorobenzene	370	U	6.1	U	6.0	U	5.4	U	6.0	R

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2265RE		E2266		VBLK6M		VBLK6T		VBLKO5	
Sampling Location :	SO-07		SO-05							
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			10/22/2008							
Time Sampled :										
%Moisture :	13		21		0		0		0	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Chloromethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Vinyl chloride	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Bromomethane	5.5	U	6.3	U	5.0	U	250	UJ	5.0	U
Chloroethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Trichlorofluoromethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
1,1-Dichloroethene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Acetone	11	U	13	U	10	U	500	U	10	U
Carbon disulfide	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Methyl acetate	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Methylene chloride	5.5	U	6.3	U	5.0	U	250	U	5.0	U
trans-1,2-Dichloroethene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Methyl tert-butyl ether	5.5	U	6.3	U	5.0	U	250	U	5.0	U
1,1-Dichloroethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
cis-1,2-Dichloroethene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
2-Butanone	11	U	13	U	10	U	500	U	10	U
Bromochloromethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Chloroform	5.5	U	6.3	U	5.0	U	250	U	5.0	U
1,1,1-Trichloroethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Cyclohexane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Carbon tetrachloride	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Benzene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
1,2-Dichloroethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
1,4-Dioxane	110	R	130	R	100	R	5000	U	100	R
Trichloroethene	2.4	J	75		5.0	U	250	U	5.0	U
Methylcyclohexane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
1,2-Dichloropropane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Bromodichloromethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
cis-1,3-Dichloropropene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
4-Methyl-2-pentanone	11	U	13	U	10	U	500	U	10	U
Toluene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
trans-1,3-Dichloropropene	5.5	U	6.3	U	5.0	U	250	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2265RE		E2266		VBLK6M		VBLK6T		VBLKO5	
Sampling Location :	SO-07		SO-05							
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			10/22/2008							
Time Sampled :										
%Moisture :	13		21		0		0		0	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Tetrachloroethene	5.5	U	3.1	J	5.0	U	250	U	5.0	U
2-Hexanone	11	U	13	U	10	U	500	U	10	U
Dibromochloromethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
1,2-Dibromoethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Chlorobenzene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Ethylbenzene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
o-Xylene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
m,p-Xylene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Styrene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
Bromoform	5.5	R	6.3	U	5.0	U	250	U	5.0	U
Isopropylbenzene	5.5	U	6.3	U	5.0	U	250	U	5.0	U
1,1,2,2-Tetrachloroethane	5.5	U	6.3	U	5.0	U	250	U	5.0	U
1,3-Dichlorobenzene	5.5	R	6.3	U	5.0	U	250	U	5.0	U
1,4-Dichlorobenzene	5.5	R	6.3	U	5.0	U	250	U	5.0	U
1,2-Dichlorobenzene	5.5	R	6.3	U	5.0	U	250	U	5.0	U
1,2-Dibromo-3-chloropropane	5.5	R	6.3	U	5.0	U	250	U	5.0	U
1,2,4-Trichlorobenzene	5.5	R	6.3	U	5.0	U	250	U	5.0	U
1,2,3-Trichlorobenzene	5.5	R	6.3	U	5.0	U	250	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	VBLKS5		VBLKT5		VHBLKT5		VHBLKT6			
Sampling Location :										
Matrix :	Soil		Soil		Soil		Soil			
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :										
Time Sampled :										
%Moisture :	0		0		0		0			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	5.0	U	5.0	U	5.0	U	250	U		
Chloromethane	5.0	U	5.0	U	5.0	U	250	U		
Vinyl chloride	5.0	U	5.0	U	5.0	U	250	U		
Bromomethane	5.0	U	5.0	U	5.0	U	250	UJ		
Chloroethane	5.0	U	5.0	U	5.0	U	250	U		
Trichlorofluoromethane	5.0	U	5.0	U	5.0	U	250	U		
1,1-Dichloroethene	5.0	U	5.0	U	5.0	U	250	U		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	U	5.0	U	250	U		
Acetone	10	U	10	U	10	U	500	U		
Carbon disulfide	5.0	U	5.0	U	5.0	U	250	U		
Methyl acetate	5.0	U	5.0	U	5.0	U	250	U		
Methylene chloride	5.0	U	5.0	U	5.0	U	250	U		
trans-1,2-Dichloroethene	5.0	U	5.0	U	5.0	U	250	U		
Methyl tert-butyl ether	5.0	U	5.0	U	5.0	U	250	U		
1,1-Dichloroethane	5.0	U	5.0	U	5.0	U	250	U		
cis-1,2-Dichloroethene	5.0	U	5.0	U	5.0	U	250	U		
2-Butanone	10	U	10	U	10	U	500	U		
Bromochloromethane	5.0	U	5.0	U	5.0	U	250	U		
Chloroform	5.0	U	5.0	U	5.0	U	250	U		
1,1,1-Trichloroethane	5.0	U	5.0	U	5.0	U	250	U		
Cyclohexane	5.0	U	5.0	U	5.0	U	250	U		
Carbon tetrachloride	5.0	U	5.0	U	5.0	U	250	U		
Benzene	5.0	U	5.0	U	5.0	U	250	U		
1,2-Dichloroethane	5.0	U	5.0	U	5.0	U	250	U		
1,4-Dioxane	100	R	100	R	100	R	5000	U		
Trichloroethene	5.0	U	5.0	U	5.0	U	250	U		
Methylcyclohexane	5.0	U	5.0	U	5.0	U	250	U		
1,2-Dichloropropane	5.0	U	5.0	U	5.0	U	250	U		
Bromodichloromethane	5.0	U	5.0	U	5.0	U	250	U		
cis-1,3-Dichloropropene	5.0	U	5.0	U	5.0	U	250	U		
4-Methyl-2-pentanone	10	U	10	U	10	U	500	U		
Toluene	5.0	U	5.0	U	5.0	U	250	U		
trans-1,3-Dichloropropene	5.0	U	5.0	U	5.0	U	250	U		

Analytical Results (Qualified Data)

Case #: 37971
SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	VBLKS5		VBLKT5		VHBLKT5		VHBLKT6			
Sampling Location :										
Matrix :	Soil		Soil		Soil		Soil			
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :										
Time Sampled :										
%Moisture :	0		0		0		0			
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	5.0	U	5.0	U	5.0	U	250	U		
Tetrachloroethene	5.0	U	4.6	J	5.0	U	250	U		
2-Hexanone	10	U	10	U	10	U	500	U		
Dibromochloromethane	5.0	U	5.0	U	5.0	U	250	U		
1,2-Dibromoethane	5.0	U	5.0	U	5.0	U	250	U		
Chlorobenzene	5.0	U	5.0	U	5.0	U	250	U		
Ethylbenzene	5.0	U	5.0	U	5.0	U	250	U		
o-Xylene	5.0	U	5.0	U	5.0	U	250	U		
m,p-Xylene	5.0	U	5.0	U	5.0	U	250	U		
Styrene	5.0	U	5.0	U	5.0	U	250	U		
Bromoform	5.0	U	5.0	U	5.0	U	250	U		
Isopropylbenzene	5.0	U	5.0	U	5.0	U	250	U		
1,1,2,2-Tetrachloroethane	5.0	U	5.0	U	5.0	U	250	U		
1,3-Dichlorobenzene	5.0	U	5.0	U	5.0	U	250	U		
1,4-Dichlorobenzene	5.0	U	5.0	U	5.0	U	250	U		
1,2-Dichlorobenzene	5.0	U	5.0	U	5.0	U	250	U		
1,2-Dibromo-3-chloropropane	5.0	U	5.0	U	5.0	U	250	U		
1,2,4-Trichlorobenzene	5.0	U	5.0	U	5.0	U	250	U		
1,2,3-Trichlorobenzene	5.0	U	5.0	U	5.0	U	250	U		

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Number of Soil Samples : 8
Number of Water Samples : 0
Number of Sediment Samples : 0

Sample Number :	E2259		E2259MS		E2259MSD		E2260		E2261	
Sampling Location :	SO-01		SO-01		SO-01		SO-02		SO-03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	10/22/2008						10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	16		16		16		11		21	
pH :	7.3		7.3		7.3		7.7		7.6	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	200	U	200	U	200	U	190	U	210	U
Phenol	200	U	910		980		190	U	210	U
Bis(2-chloroethyl)ether	200	U	200	U	200	U	190	U	210	U
2-Chlorophenol	200	U	730		780		190	U	210	U
2-Methylphenol	200	U	200	U	200	U	190	U	210	U
2,2'-Oxybis(1-chloropropane)	200	U	200	U	200	U	190	U	210	U
Acetophenone	200	U	200	U	200	U	190	U	210	U
4-Methylphenol	200	U	200	U	200	U	190	U	210	U
N-Nitroso-di-n-propylamine	200	U	1000		1200		190	U	210	U
Hexachloroethane	200	U	200	U	200	U	190	U	210	U
Nitrobenzene	200	U	200	U	200	U	190	U	210	U
Isophorone	200	UJ	200	UJ	200	UJ	190	UJ	210	UJ
2-Nitrophenol	200	U	200	U	200	U	190	U	210	U
2,4-Dimethylphenol	200	U	200	U	200	U	190	U	210	U
Bis(2-chloroethoxy)methane	200	U	200	U	200	U	190	U	210	U
2,4-Dichlorophenol	200	U	200	U	200	U	190	U	210	U
Naphthalene	200	U	200	U	200	U	190	U	210	U
4-Chloroaniline	200	U	200	U	200	U	190	U	210	U
Hexachlorobutadiene	200	U	200	U	200	U	190	U	210	U
Caprolactam	200	U	200	U	200	U	190	U	210	U
4-Chloro-3-methylphenol	200	U	1200		930		190	U	210	U
2-Methylnaphthalene	200	U	200	U	200	U	190	U	210	U
Hexachlorocyclopentadiene	200	U	200	U	200	U	190	U	210	U
2,4,6-Trichlorophenol	200	U	200	U	200	U	190	U	210	U
2,4,5-Trichlorophenol	200	U	200	U	200	U	190	U	210	U
1,1'-Biphenyl	200	U	200	U	200	U	190	U	210	U
2-Chloronaphthalene	200	U	200	U	200	U	190	U	210	U
2-Nitroaniline	390	U	390	U	390	U	360	U	410	U
Dimethylphthalate	200	U	200	U	200	U	190	U	210	U
2,6-Dinitrotoluene	200	U	200	U	200	U	190	U	210	U
Acenaphthylene	200	U	200	U	200	U	190	U	210	U
3-Nitroaniline	390	U	390	U	390	U	360	U	410	U
Acenaphthene	200	U	960		920		190	U	210	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2259		E2259MS		E2259MSD		E2260		E2261	
Sampling Location :	SO-01		SO-01		SO-01		SO-02		SO-03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	10/22/2008						10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	16		16		16		11		21	
pH :	7.3		7.3		7.3		7.7		7.6	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	390	U	390	U	390	U	360	U	410	U
4-Nitrophenol	390	U	1300		1200		360	U	410	U
Dibenzofuran	200	U	200	U	200	U	190	U	210	U
2,4-Dinitrotoluene	200	U	950		950		190	U	210	U
Diethylphthalate	200	U	200	U	200	U	190	U	210	U
Fluorene	200	U	200	U	200	U	190	U	210	U
4-Chlorophenyl-phenylether	200	U	200	U	200	U	190	U	210	U
4-Nitroaniline	390	U	390	U	390	U	360	U	410	U
4,6-Dinitro-2-methylphenol	390	U	390	U	390	U	360	U	410	U
N-Nitrosodiphenylamine	200	U	200	U	200	U	190	U	210	U
1,2,4,5-Tetrachlorobenzene	200	U	200	U	200	U	190	U	210	U
4-Bromophenyl-phenylether	200	U	200	U	200	U	190	U	210	U
Hexachlorobenzene	200	U	200	U	200	U	190	U	210	U
Atrazine	200	U	200	U	200	U	190	U	210	U
Pentachlorophenol	390	U	1200		1100		360	U	410	U
Phenanthrene	200	U	200	U	200	U	190	U	210	U
Anthracene	200	U	200	U	200	U	190	U	210	U
Carbazole	200	U	200	U	200	U	190	U	210	U
Di-n-butylphthalate	200	U	200	U	200	U	190	U	210	U
Fluoranthene	200	U	200	U	200	U	190	U	210	U
Pyrene	200	U	830		800		190	U	210	U
Butylbenzylphthalate	200	U	200	U	200	U	190	U	210	U
3,3'-Dichlorobenzidine	200	U	200	U	200	U	190	U	210	U
Benzo(a)anthracene	200	U	200	U	200	U	190	U	210	U
Chrysene	200	U	200	U	200	U	190	U	210	U
Bis(2-ethylhexyl)phthalate	40	J	50	J	42	J	42	J	46	J
Di-n-octylphthalate	200	U	200	U	200	U	190	U	210	U
Benzo(b)fluoranthene	200	U	200	U	200	U	190	U	210	U
Benzo(k)fluoranthene	200	U	200	U	200	U	190	U	210	U
Benzo(a)pyrene	200	U	200	U	200	U	190	U	210	U
Indeno(1,2,3-cd)pyrene	200	U	200	U	200	U	190	U	210	U
Dibenzo(a,h)anthracene	200	U	200	U	200	U	190	U	210	U
Benzo(g,h,i)perylene	200	U	200	U	200	U	190	U	210	U
2,3,4,6-Tetrachlorophenol	200	U	200	U	200	U	190	U	210	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2262		E2263		E2264		E2265		E2266	
Sampling Location :	SO-04		SO-08		SO-06		SO-07		SO-05	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	10/22/2008		10/22/2008		10/22/2008		10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	21		22		14		13		21	
pH :	8.3		8.4		7.8		7.8		8.1	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	210	U	220	U	200	U	190	U	210	U
Phenol	210	U	220	U	200	U	190	U	210	U
Bis(2-chloroethyl)ether	210	U	220	U	200	U	190	U	210	U
2-Chlorophenol	210	U	220	U	200	U	190	U	210	U
2-Methylphenol	210	U	220	U	200	U	190	U	210	UJ
2,2'-Oxybis(1-chloropropane)	210	U	220	U	200	U	190	U	210	U
Acetophenone	210	U	220	U	200	U	190	U	210	U
4-Methylphenol	210	U	220	U	200	U	190	U	210	UJ
N-Nitroso-di-n-propylamine	210	U	220	U	200	U	190	U	210	U
Hexachloroethane	210	U	220	U	200	U	190	U	210	U
Nitrobenzene	210	U	220	U	200	U	190	U	210	U
Isophorone	210	UJ	220	UJ	200	UJ	190	UJ	210	U
2-Nitrophenol	210	U	220	U	200	U	190	U	210	U
2,4-Dimethylphenol	210	U	220	U	200	U	190	U	210	U
Bis(2-chloroethoxy)methane	210	U	220	U	200	U	190	U	210	U
2,4-Dichlorophenol	210	U	220	U	200	U	190	U	210	U
Naphthalene	210	U	220	U	200	U	190	U	210	U
4-Chloroaniline	210	U	220	U	200	U	190	U	210	U
Hexachlorobutadiene	210	U	220	U	200	U	190	U	210	U
Caprolactam	210	U	220	U	200	U	190	U	210	U
4-Chloro-3-methylphenol	210	U	220	U	200	U	190	U	210	U
2-Methylnaphthalene	210	U	220	U	200	U	190	U	210	U
Hexachlorocyclopentadiene	210	U	220	U	200	U	190	U	210	U
2,4,6-Trichlorophenol	210	U	220	U	200	U	190	U	210	U
2,4,5-Trichlorophenol	210	U	220	U	200	U	190	U	210	U
1,1'-Biphenyl	210	U	220	U	200	U	190	U	210	U
2-Chloronaphthalene	210	U	220	U	200	U	190	U	210	U
2-Nitroaniline	410	U	420	U	380	U	380	U	410	U
Dimethylphthalate	210	U	220	U	200	U	190	U	210	U
2,6-Dinitrotoluene	210	U	220	U	200	U	190	U	210	U
Acenaphthylene	210	U	220	U	200	U	190	U	210	U
3-Nitroaniline	410	U	420	U	380	U	380	U	410	U
Acenaphthene	210	U	220	U	200	U	190	U	210	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2262		E2263		E2264		E2265		E2266	
Sampling Location :	SO-04		SO-08		SO-06		SO-07		SO-05	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	10/22/2008		10/22/2008		10/22/2008		10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	21		22		14		13		21	
pH :	8.3		8.4		7.8		7.8		8.1	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	410	U	420	U	380	U	380	U	410	U
4-Nitrophenol	410	U	420	U	380	U	380	U	410	U
Dibenzofuran	210	U	220	U	200	U	190	U	210	U
2,4-Dinitrotoluene	210	U	220	U	200	U	190	U	210	U
Diethylphthalate	210	U	220	U	200	U	190	U	210	U
Fluorene	210	U	220	U	200	U	190	U	210	U
4-Chlorophenyl-phenylether	210	U	220	U	200	U	190	U	210	U
4-Nitroaniline	410	U	420	U	380	U	380	U	410	U
4,6-Dinitro-2-methylphenol	410	U	420	U	380	U	380	U	410	U
N-Nitrosodiphenylamine	210	U	220	U	200	U	190	U	210	U
1,2,4,5-Tetrachlorobenzene	210	U	220	U	200	U	190	U	210	U
4-Bromophenyl-phenylether	210	U	220	U	200	U	190	U	210	U
Hexachlorobenzene	210	U	220	U	200	U	190	U	210	U
Atrazine	210	U	220	U	200	U	190	U	210	U
Pentachlorophenol	410	U	420	U	380	U	380	U	410	U
Phenanthrene	210	U	220	U	200	U	190	U	210	U
Anthracene	210	U	220	U	200	U	190	U	210	U
Carbazole	210	U	220	U	200	U	190	U	210	U
Di-n-butylphthalate	210	U	220	U	200	U	190	U	210	U
Fluoranthene	210	U	220	U	200	U	190	U	210	U
Pyrene	210	U	220	U	200	U	190	U	210	U
Butylbenzylphthalate	210	U	220	U	200	U	190	U	210	U
3,3'-Dichlorobenzidine	210	U	220	U	200	U	190	U	210	U
Benzo(a)anthracene	210	U	220	U	200	U	190	U	210	U
Chrysene	210	U	220	U	200	U	190	U	210	U
Bis(2-ethylhexyl)phthalate	44	J	46	J	33	J	38	J	48	J
Di-n-octylphthalate	210	U	220	U	200	U	190	U	210	U
Benzo(b)fluoranthene	210	U	220	U	200	U	190	U	210	U
Benzo(k)fluoranthene	210	U	220	U	200	U	190	U	210	U
Benzo(a)pyrene	210	U	220	U	200	U	190	U	210	U
Indeno(1,2,3-cd)pyrene	210	U	220	U	200	U	190	U	210	U
Dibenzo(a,h)anthracene	210	U	220	U	200	U	190	U	210	U
Benzo(g,h,i)perylene	210	U	220	U	200	U	190	U	210	U
2,3,4,6-Tetrachlorophenol	210	U	220	U	200	U	190	U	210	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	SBLK2T									
Sampling Location :										
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	0									
pH :	7.0									
Dilution Factor :	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	170	U								
Phenol	170	U								
Bis(2-chloroethyl)ether	170	U								
2-Chlorophenol	170	U								
2-Methylphenol	170	U								
2,2'-Oxybis(1-chloropropane)	170	U								
Acetophenone	170	U								
4-Methylphenol	170	U								
N-Nitroso-di-n-propylamine	170	U								
Hexachloroethane	170	U								
Nitrobenzene	170	U								
Isophorone	170	UJ								
2-Nitrophenol	170	U								
2,4-Dimethylphenol	170	U								
Bis(2-chloroethoxy)methane	170	U								
2,4-Dichlorophenol	170	U								
Naphthalene	170	U								
4-Chloroaniline	170	U								
Hexachlorobutadiene	170	U								
Caprolactam	170	U								
4-Chloro-3-methylphenol	170	U								
2-Methylnaphthalene	170	U								
Hexachlorocyclopentadiene	170	U								
2,4,6-Trichlorophenol	170	U								
2,4,5-Trichlorophenol	170	U								
1,1'-Biphenyl	170	U								
2-Chloronaphthalene	170	U								
2-Nitroaniline	330	U								
Dimethylphthalate	170	U								
2,6-Dinitrotoluene	170	U								
Acenaphthylene	170	U								
3-Nitroaniline	330	U								
Acenaphthene	170	U								

Analytical Results (Qualified Data)

Case #: 37971
SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	SBLK2T									
Sampling Location :										
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	0									
pH :	7.0									
Dilution Factor :	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	330	U								
4-Nitrophenol	330	U								
Dibenzofuran	170	U								
2,4-Dinitrotoluene	170	U								
Diethylphthalate	170	U								
Fluorene	170	U								
4-Chlorophenyl-phenylether	170	U								
4-Nitroaniline	330	U								
4,6-Dinitro-2-methylphenol	330	U								
N-Nitrosodiphenylamine	170	U								
1,2,4,5-Tetrachlorobenzene	170	U								
4-Bromophenyl-phenylether	170	U								
Hexachlorobenzene	170	U								
Atrazine	170	U								
Pentachlorophenol	330	U								
Phenanthrene	170	U								
Anthracene	170	U								
Carbazole	170	U								
Di-n-butylphthalate	170	U								
Fluoranthene	170	U								
Pyrene	170	U								
Butylbenzylphthalate	170	U								
3,3'-Dichlorobenzidine	170	U								
Benzo(a)anthracene	170	U								
Chrysene	170	U								
Bis(2-ethylhexyl)phthalate	170	U								
Di-n-octylphthalate	170	U								
Benzo(b)fluoranthene	170	U								
Benzo(k)fluoranthene	170	U								
Benzo(a)pyrene	170	U								
Indeno(1,2,3-cd)pyrene	170	U								
Dibenzo(a,h)anthracene	170	U								
Benzo(g,h,i)perylene	170	U								
2,3,4,6-Tetrachlorophenol	170	U								

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Number of Soil Samples : 8
Number of Water Samples : 0
Number of Sediment Samples : 0

Sample Number :	E2259		E2259MS		E2259MSD		E2260		E2261	
Sampling Location :	SO-01		SO-01		SO-01		SO-02		SO-03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	10/22/2008						10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	16		16		16		11		21	
pH :	7.3		7.3		7.3		7.7		7.6	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	2.0	U	2.0	U	2.0	U	1.9	U	2.1	U
beta-BHC	2.0	U	2.0	U	2.0	U	1.9	U	2.1	U
delta-BHC	2.0	U	2.0	U	2.0	U	1.9	U	2.1	U
gamma-BHC (Lindane)	2.0	UJ	6.3		7.3		1.9	U	2.1	U
Heptachlor	2.0	U	8.6	J	10	J	1.9	U	2.1	U
Aldrin	2.0	U	8.4		9.5		1.9	U	2.1	U
Heptachlor epoxide	2.0	U	2.0	U	2.0	U	1.9	U	2.1	U
Endosulfan I	2.0	U	2.0	U	2.0	U	1.9	U	2.1	U
Dieldrin	3.9	U	24		26		3.7	U	4.1	U
4,4'-DDE	3.9	U	3.9	U	3.9	U	3.7	U	4.1	U
Endrin	3.9	U	26		29		3.7	U	4.1	U
Endosulfan II	3.9	U	3.9	U	3.9	U	3.7	U	4.1	U
4,4'-DDD	3.9	U	3.9	U	3.9	U	3.7	U	4.1	U
Endosulfan sulfate	3.9	U	3.9	U	3.9	U	3.7	U	4.1	U
4,4'-DDT	3.9	U	26		28		3.7	U	4.1	U
Methoxychlor	20	U	20	U	20	U	19	U	21	U
Endrin ketone	3.9	U	3.9	U	3.9	U	3.7	U	4.1	U
Endrin aldehyde	3.9	U	3.9	U	3.9	U	3.7	U	4.1	U
alpha-Chlordane	2.0	U	2.0	U	2.0	U	1.9	U	2.1	U
gamma-Chlordane	2.0	U	2.0	U	2.0	U	1.9	U	2.1	U
Toxaphene	200	U	200	U	200	U	190	U	210	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2262		E2263		E2264		E2265		E2266	
Sampling Location :	SO-04		SO-08		SO-06		SO-07		SO-05	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	10/22/2008		10/22/2008		10/22/2008		10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	21		22		14		13		21	
pH :	8.3		8.4		7.8		7.8		8.1	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	2.1	U	2.2	U	2.0	U	1.9	U	2.1	U
beta-BHC	2.1	U	2.2	U	2.0	U	1.9	U	2.1	U
delta-BHC	2.1	U	2.2	U	2.0	U	1.9	U	2.1	U
gamma-BHC (Lindane)	2.1	U	2.2	U	2.0	U	1.9	U	2.1	U
Heptachlor	2.1	U	2.2	U	2.0	U	1.9	U	2.1	U
Aldrin	2.1	U	2.2	U	2.0	U	1.9	U	2.1	U
Heptachlor epoxide	2.1	U	2.2	U	2.0	U	1.9	U	2.1	U
Endosulfan I	2.1	U	2.2	U	2.0	U	1.9	U	2.1	U
Dieldrin	4.1	U	4.2	U	3.8	U	3.8	U	4.1	U
4,4'-DDE	4.1	U	4.2	U	3.8	U	3.8	U	4.1	U
Endrin	4.1	U	4.2	U	3.8	U	3.8	U	4.1	U
Endosulfan II	4.1	U	4.2	U	3.8	U	3.8	U	4.1	U
4,4'-DDD	4.1	U	4.2	U	3.8	U	3.8	U	4.1	U
Endosulfan sulfate	4.1	U	4.2	U	3.8	U	3.8	U	4.1	U
4,4'-DDT	4.1	U	4.2	U	3.8	U	3.8	U	4.1	U
Methoxychlor	21	U	22	U	20	U	19	U	21	U
Endrin ketone	4.1	U	4.2	U	3.8	U	3.8	U	4.1	U
Endrin aldehyde	4.1	U	4.2	U	3.8	U	3.8	U	4.1	U
alpha-Chlordane	2.1	U	2.2	U	2.0	U	1.9	U	2.1	U
gamma-Chlordane	2.1	U	2.2	U	2.0	U	1.9	U	2.1	U
Toxaphene	210	U	220	U	200	U	190	U	210	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	PBLK4M									
Sampling Location :										
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :										
Time Sampled :										
%Moisture :	0									
pH :	7.0									
Dilution Factor :	1.0									
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	1.7	U								
beta-BHC	1.7	U								
delta-BHC	1.7	U								
gamma-BHC (Lindane)	1.7	U								
Heptachlor	1.7	U								
Aldrin	1.7	U								
Heptachlor epoxide	1.7	U								
Endosulfan I	1.7	U								
Dieldrin	3.3	U								
4,4'-DDE	3.3	U								
Endrin	3.3	U								
Endosulfan II	3.3	U								
4,4'-DDD	3.3	U								
Endosulfan sulfate	3.3	U								
4,4'-DDT	3.3	U								
Methoxychlor	17	U								
Endrin ketone	3.3	U								
Endrin aldehyde	3.3	U								
alpha-Chlordane	1.7	U								
gamma-Chlordane	1.7	U								
Toxaphene	170	U								

Analytical Results (Qualified Data)

Case #: 37971
Site :
Lab. :
Reviewer :
Date :

SDG : E2259
FOSTORIA INDUSTRIES
MITKEM

Number of Soil Samples : 8
Number of Water Samples : 0
Number of Sediment Samples : 0

Sample Number :	ABLK3D		E2259		E2259MS		E2259MSD		E2260	
Sampling Location :			SO-01		SO-01		SO-01		SO-02	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			10/22/2008						10/22/2008	
Time Sampled :										
%Moisture :	0		16		16		16		11	
pH :	7.0		7.3		7.3		7.3		7.7	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	33	U	39	U	130		140		37	U
Aroclor-1221	33	U	39	U	39	U	39	U	37	U
Aroclor-1232	33	U	39	U	39	U	39	U	37	U
Aroclor-1242	33	U	39	U	39	U	39	U	37	U
Aroclor-1248	33	U	39	U	39	U	39	U	37	U
Aroclor-1254	33	U	39	U	39	U	39	U	37	U
Aroclor-1260	33	U	39	U	140		140		37	U
Aroclor-1262	33	U	39	U	39	U	39	U	37	U
Aroclor-1268	33	U	39	U	39	U	39	U	37	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2261		E2262		E2263		E2264		E2265	
Sampling Location :	SO-03		SO-04		SO-08		SO-06		SO-07	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	10/22/2008		10/22/2008		10/22/2008		10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	21		21		22		14		13	
pH :	7.6		8.3		8.4		7.8		7.8	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	41	U	41	U	42	U	38	U	37	U
Aroclor-1221	41	U	41	U	42	U	38	U	37	U
Aroclor-1232	41	U	41	U	42	U	38	U	37	U
Aroclor-1242	41	U	41	U	42	U	38	U	37	U
Aroclor-1248	41	U	41	U	42	U	38	U	37	U
Aroclor-1254	41	U	41	U	42	U	38	U	37	U
Aroclor-1260	41	U	41	U	42	U	38	U	37	U
Aroclor-1262	41	U	41	U	42	U	38	U	37	U
Aroclor-1268	41	U	41	U	42	U	38	U	37	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2259
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2266									
Sampling Location :	SO-05									
Matrix :	Soil									
Units :	ug/Kg									
Date Sampled :	10/22/2008									
Time Sampled :										
%Moisture :	21									
pH :	8.1									
Dilution Factor :	1.0									
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	41	U								
Aroclor-1221	41	U								
Aroclor-1232	41	U								
Aroclor-1242	41	U								
Aroclor-1248	41	U								
Aroclor-1254	41	U								
Aroclor-1260	41	U								
Aroclor-1262	41	U								
Aroclor-1268	41	U								

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 18 NOV 08

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: OEPA

We have reviewed the data for the following case:

SITE NAME: Fostoria Industries (OH)

CASE NUMBER: 37971 SDG NUMBER: E2259

Number and Type of Samples: 8 Soil Samples

Sample Numbers: E2259 – E2266

Laboratory: Mitkem Laboratories Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Contract Laboratory Program

Sample Delivery Group (SDG)

Cover Sheet

SDG Number E2259

Laboratory Name	Mitkem Laboratories	Lab Code	MITKEM
Contract No.	EP-W-05-030	Case No.	37971
Analysis Price	$437	SDG Turnaround	21 days

EPA Sample Numbers in SDG (Listed in Numerical Order)

01) E2259	08) E2264		
02) E2259MS	09) E2265		
03) E2259MSD	10) E2266		
04) E2260			
05) E2261			
06) E2262			
07) E2263			

First Sample in SDG	Last Sample in SDG
E2259	E2266

First Sample Receipt Date	Last Sample Receipt Date
10/24/2008	10/24/2008

Note: There are a maximum of 20 field samples [excluding Performance Evaluation (PE) samples in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).

Signature Agnes Huntley Date 10/27/2008

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	37971
DAS No:	
SDG No:	E2259

L

Date Shipped:	10/23/2008
Carrier Name:	FedEx
Airbill:	866389085854
Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400

Chain of Custody Record

Sampler Signature: [signature]

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	[signature]	10/23/08 1200	[signature]	10/24/08 3:50
2				
3				
4				

For Lab Use Only

Lab Contract No:	EPW-05-030
Unit Price:	$437
Transfer To:	–
Lab Contract No:	–
Unit Price:	–

	ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
01	E2259 ✓	Soil/Sediment/ Wendy Vorwerk	L/G	BNA/PEST (21), VOA (21)	5C97299 (Ice Only), 5C97300 (Ice Only), 5C97301 (Ice Only), 5C97302 (Ice Only) (4)	SO-01	S: 10/22/2008	11:30	ME2259	OK
02	E2260 ✓	Soil/Sediment/ Wendy Vorwerk	L/G	BNA/PEST (21), VOA (21)	5C97304 (Ice Only), 5C97305 (Ice Only), 5C97306 (Ice Only) (3)	SO-02	S: 10/22/2008	12:00	ME2260	
03	E2261 ✓	Soil/Sediment/ Wendy Vorwerk	L/G	BNA/PEST (21), VOA (21)	5C97308 (Ice Only), 5C97309 (Ice Only), 5C97310 (Ice Only) (3)	SO-03	S: 10/22/2008	14:30	ME2261	
04	E2262 ✓	Soil/Sediment/ Wendy Vorwerk	L/G	BNA/PEST (21), VOA (21)	5C97312 (Ice Only), 5C97313 (Ice Only), 5C97314 (Ice Only) (3)	SO-04	S: 10/22/2008	15:00	ME2262	
05	E2263 ✓	Soil/Sediment/ Wendy Vorwerk	L/G	BNA/PEST (21), VOA (21)	5C97316 (Ice Only), 5C97317 (Ice Only), 5C97318 (Ice Only) (3)	SO-08	S: 10/22/2008	15:10	ME2263	
06	E2264 ✓	Soil/Sediment/ Wendy Vorwerk	L/G	BNA/PEST (21), VOA (21)	5C97320 (Ice Only), 5C97321 (Ice Only), 5C97322 (Ice Only) (3)	SO-06	S: 10/22/2008	16:00	ME2264	
07	E2265 ✓	Soil/Sediment/ Wendy Vorwerk	L/G	BNA/PEST (21), VOA (21)	5C97324 (Ice Only), 5C97325 (Ice Only), 5C97326 (Ice Only) (3)	SO-07	S: 10/22/2008	16:10	ME2265	
08	E2266 ✓	Soil/Sediment/ Wendy Vorwerk	L/G	BNA/PEST (21), VOA (21)	5C97328 (Ice Only), 5C97329 (Ice Only), 5C97330 (Ice Only) (3)	SO-05	S: 10/22/2008	15:30	ME2266	OK

SDG- Final Sample

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: E2259	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3°C	Chain of Custody Seal Number: 107253 – 54
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, VOA = CLP TCL Volatiles

TR Number: 5-043013577-102208-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to USEPA Case # 37971 and SDG# E2259. Analyses were performed for eight soil samples that were received on October 24, 2008. The analyses were performed under USEPA Contract # EP-W-05-030. Please note that the sample-shipping cooler received was measured at 3°C.

The VOA soil samples were received in 4oz jars. The samples were treated like they were Encores. About 5g of sample was taken and placed into a VOA vial and then frozen until time of analysis. Per the Region, the laboratory should proceed with analysis of the samples.

The VOA soil samples were not extruded within the 48-hours from collection. The samples were collected on October 22 and received on October 24. Per the Region, the laboratory should proceed with analysis of the samples.

The following samples are submitted in this data package:

Client ID	Lab ID	Analysis
E2259	G1911-01A	S,P,A
E2259MS	G1911-01AMS	S,P,A
E2259MSD	G1911-01AMSD	S,P,A
E2259	G1911-01B	V
E2259MS	G1911-01BMS	V
E2259MSD	G1911-01BMSD	V
E2260	G1911-02A	S,P,A
E2260	G1911-02B	V
E2261	G1911-03A	S,P,A
E2261	G1911-03B	V
E2261ME	G1911-03B	V
E2262	G1911-04A	S,P,A
E2262	G1911-04B	V
E2263	G1911-05A	S,P,A
E2263	G1911-05B	V
E2264	G1911-06A	S,P,A
E2264	G1911-06B	V
E2265	G1911-07A	S,P,A
E2265	G1911-07B	V
E2265RE	G1911-07BRA	V
E2266	G1911-08A	S,P,A
E2266	G1911-08B	V

V = Low/Medium Volatiles

S = Semivolatiles
P = Pesticides
A = Aroclors

The analyses were performed using USEPA CLP Multi-Media, Multi-Concentration (SOM01.2) protocols. The analyses were performed with strict adherence to the SOW with the following exceptions and observations:

1. Overall Observation:

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

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

2. Low/Med Volatile Analysis:

Trap used for instruments V5 and V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

cis-1,3-Dichloropropene-d4 was detected in method blanks and in samples. The volatile organic deuterated monitoring compound spike solution contains both the cis- and trans-1,3-dichloropropene isomers. cis-1,3-Dichloropropene-d4 is not a dueterated monitoring compound for SOM01.2, while the trans isomer is. The cis isomer is considered a laboratory artifact, and is not reported as a tentatively identified compound.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

The following equation was used to calculate the concentration of target analytes for low-level soil samples:

$$\text{Concentration } (\mu g/Kg) = \frac{(\text{Amt})(\text{DF})(\text{UF})(5)}{\left(\frac{Ws * (100 - M)}{100}\right)}$$

where: Amt = on-column amount on raw data
DF = Dilution factor
UF = ng unit correction factor
Ws = Weight of sample extracted (g)
M = %moisture (not decanted)

The following equation was used to calculate the concentration of target analytes for medium-level soil samples:

$$Concentration(\mu g / Kg) = \frac{(Amt)(DF)(Uf)\left(Vt + \left(\frac{Ws * M}{100}\right) * 5000\right)}{(Va)(Ws)\left(\frac{100 - M}{100}\right)}$$

where: Amt = on-column amount on raw data
DF = Dilution factor
Uf = ng unit correction factor
Ws = Weight of sample extracted (g)
M = %moisture (not decanted)
Vt = Methanaol extract volume (mL)
Va = Aliquotof methanol (μL)

The following equation was used to calculate the Amt in the previous equations:

$$Amt = \frac{(A_x)(IS)}{(A_{is})(RRF)}$$

where: A_x = area of the characteristic ion for the compound to be measured
A_{is} = area of the characteristic ion for the associated internal standard
IS = concentration of internal standard in ug/L
RRF = relative response factor

DMC recoveries were within the QC limits with the exception of high recovery of chloreothane-d5, benzene-d6, 1,2-dichloropropane-d6 and toluene-d8 and low recovery of 1,1,2,2-tetrachloroethane-d2 in sample E2261, high recovery of vinyl chloride-d3, chloroethane-d5, benzene-d6, 1,2-dichloropropane-d6 and toluene-d8 and low recovery of

2-hexanone-d5 in sample E2265 and high recovery of chloroethane-d5 and benzene-d6 in sample E2266. Sample E2265 was re-analyzed with high recovery of chloroethane-d5, benzene-d6 and 1,2-dichloropropane-d6. Sample E2261 was re-analyzed at dilution by the medium-level approach with DMC recoveries within the QC limits with the exception of low recovery of chloroethane-d5.

Matrix spike and matrix spike duplicate were performed on sample E2259. Spike recoveries and replicate RPDs were within the advisory QC limits.

Internal standard area counts were within QC criteria with the exception of sample E2261 and E2265. Matrix interference confirmed on internal standard area counts for sample E2265, as the sample was re-analyzed with similar findings. Sample E2261 was re-analyzed at dilution by the medium-level approach with internal standard area counts within QC criteria.

To ensure that all target analytes were determined within the instrument calibration range, sample E2261 was re-analyzed at dilution by the medium-level analysis.

The re-analysis for sample E2265 is billable. The re-analysis was performed for non-compliant DMC recoveries and internal standard area counts. Matrix interference confirmed on DMC recoveries and internal standard area counts as the re-analysis exhibited findings similar to those of the initial analysis.

For 1,4-dioxane and 1,4-dioxane-d8, the laboratory was unable to meet the minimum average RRF of 0.0050 in the initial calibration. In our experience, this compound will not reliably achieve the SOM method performance criteria due to its high water solubility. This compound is able to be reliably analyzed as an extractable semivolatile organic compound.

Ion 100 was used instead of ion 63 for 1,1-dichloroethene-d2. Ion 100 was used instead of ion 63 due to the interference with target compound 1,1-dichloroethene in the calibration standards.

No manual integrations were performed.

No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

The following equation was used to calculate the concentration of target analytes for soil samples:

$$\text{Concentration } (\mu g/Kg) = (Amt)(DF)(Uf)\left(\frac{V_t}{V_i}\right)\left(\frac{1}{Ws}\right)\left(\frac{100}{(100-m)}\right)$$

where: Amt = on-column amount on raw data
DF = Dilution factor
UF = ng unit correction factor
Ws = Weight of sample extracted (g)
M = %moisture (not decanted)

The following equation was used to calculate the Amt in the previous equations:

$$Amt = \frac{(A_x)(IS)}{(A_{is})(RRF)}$$

where: A_x = area of the characteristic ion for the compound to be measured
A_{is} = area of the characteristic ion for the associated internal standard
IS = concentration of internal standard in ug/L
RRF = relative response factor

DMC recoveries were within the QC limits.

Matrix spike and matrix spike duplicate were performed on sample E2259. Spike recoveries and replicate RPDs were within the advisory QC limits.

Secondary ion 71 was used to quantitate phenol-d5. This ion was used due to co-elution of the primary ion with bis (2-chloroethyl) ether-d8 in the level 5 standard.

No manual integrations were performed.

No other unusual observation was made for the analysis.

4. Pesticides Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns

The following equation was used to calculate the concentration of target analytes for soil samples:

$$\text{Concentration (ug/Kg)} = (\text{Amt})(\text{DF})(\text{Uf})\left(\frac{\text{Vt}}{(\text{Vi} * \text{WS} * \left(\frac{100-\text{m}}{100}\right))}\right)$$

where: Amt = CAL – AMT on raw data
DF = Dilution factor
UF = ng unit correction factor
WS = Weight of sample extracted (g)
Vt = Volume of final extract (uL)
Vi = Volume injected (uL)
M = %moisture (not decanted)

Surrogate recoveries were within the QC limits.

Matrix spike and matrix spike duplicate were performed on sample E2259. Spike recoveries were within the advisory QC limits with the exception of low recovery of gamma-BHC in both the matrix spike and matrix spike duplicate for both columns. Replicate RPDs were within the advisory QC limits.

Spike recoveries were within the QC limits in the lab control samples.

Manual integration was performed on the following"
INDC1Y4: endosulfan II in the rear column due to M7.

No other unusual observation was made for the analysis.

5. Aroclor Analysis

GC column used: 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII and 30 m x 0.53 mm id (0.5 um film thickness) CLPPest megabore columns

The following equation was used to calculate the concentration of target analytes for soil samples:

$$\text{Concentration (ug/Kg)} = (\text{Amt})(\text{DF})(\text{Uf})\left(\frac{\text{Vt}}{(\text{Vi} * \text{WS} * \left(\frac{100-\text{m}}{100}\right))}\right)$$

where: Amt = CAL – AMT on raw data

DF = Dilution factor
UF = ng unit correction factor
WS = Weight of sample extracted (g)
Vt = Volume of final extract (uL)
Vi = Volume injected (uL)
M = %moisture (not decanted)

Surrogate recoveries were within the QC limits.

Matrix spike and matrix spike duplicate were performed on sample E2259. Spike recoveries and replicate RPDs were within the advisory QC limits.

Spike recoveries were within the QC limits in the lab control samples.

No manual integrations were performed.

No unusual observation was made for the analysis.

All of the submittals to the region are originals other than logbook pages. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. Tunes, calibration verifications and initial calibrations that are shared among several cases are photocopies indicating the location of the originals.

I certify that this Sample Data Package is in compliance with the terms and condition of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Agnes R Huntley

Agnes Huntley
CLP Project Manager
11/13/08

Agnes Huntley [Mitkem]

From: Schaffer, Keri [kschaffer@fedcsc.com]
Sent: Tuesday, October 28, 2008 2:58 PM
To: Agnes Huntley [Mitkem]
Cc: wendy.vorwerk@epa.state.oh.us; Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 37971 | Lab MITKEM | Issue Multiple | FINAL

Agnes,

Summary Start
-Non-sampler issues-
Issue 1: The VOA soil samples were received as 4oz soil jars instead of Encores or pre-preserved. The samples were treated like they were Encores, the sample was extruded into VOA vials and then frozen.
Resolution 1: Per Region 5, the laboratory shall note the issue in the SDG Narrative and proceed with the analysis of the samples.

Issue 2: The VOA soil samples were not extruded within 48-hours of collection. The samples were collected on October 22; however, they were received on October 24.
Resolution 2: Per Region 5, the laboratory shall note the issue in the SDG Narrative and proceed with the analysis of the samples.

-Discrepancies with tags, jars, and/or TR/COC-
Issue 3: Each sample ID is listed twice on the TR/COC. Once for VOA analysis and another for SVOA, PEST and ARO.
Resolution 3: Per Region 5, the laboratory shall analyze the samples as listed on the TR/COC for VOA, SVOA, PEST, and ARO.
Summary End

Please contact me if you have any questions.

Thanks,

Keri Schaffer
Environmental Coordinator/Analyst
Regions 5, 6, and 10
CSC

15000 Conference Center Drive, Chantilly, VA 20151
civil division | phone 703-818-4346 | fax 703-818-4602 | kschaffer@fedcsc.com | www.csc.com

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10/28/2008 2:36pm
Phone conversation between Keri Schaffer (SMO) and Warren Layne (Region 5). Per Region 5, for issues 1 and 2 the laboratory shall note the issue in the SDG Narrative and proceed with the analysis of the samples. For issue 3, the samples are listed 2 times on the TR/COC. Once for VOA analysis and another for SVOA, PEST, and ARO.

The laboratory shall analyze the samples for VOA, SVOA, ARO, and PEST.

From: Schaffer, Keri
Sent: Tuesday, October 28, 2008 1:47 PM
To: Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 37971 | Lab MITKEM | Issue Multiple

Warren,

I have not been able to get in touch with Wendy and the laboratory needs a resolution to log in the samples. Do you have another way of getting in touch with her?

Thanks,

Keri Schaffer
Environmental Coordinator/Analyst
Regions 5, 6, and 10
CSC

15000 Conference Center Drive, Chantilly, VA 20151
civil division | phone 703-818-4346 | fax 703-818-4602 | kschaffer@fedcsc.com | www.csc.com

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From: Schaffer, Keri
Sent: Tuesday, October 28, 2008 8:48 AM
To: 'wendy.vorwerk@epa.state.oh.us'; Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 37971 | Lab MITKEM | Issue Multiple

Wendy,

MITKEM is reporting the following issues regarding Case 37971. The TR/COC is attached.

-Laboratory problems-
Issue 1: The VOA soil samples were received as 4oz soil jars instead of Encores or pre-preserved. The samples were treated like they were Encores, the sample was extruded into VOA vials and then frozen.

Issue 2: The VOA soil samples were not extruded within 48-hours of collection. The samples were collected on October 22; however, they were received on October 24.

-Discrepancies with tags, jars, and/or TR/COC-
Issue 3: All but 1 of the water samples received on 10/24 are listed on the TR/COC as VOA; however, per the Scheduling Notification Form some water samples are to be analyzed for TVOA, SVOA, ARO, PEST, other samples are for VOA and TVOA analysis, and the other water samples are scheduled for VOA, SVOA, ARO, and PEST analysis. The laboratory would like to know which set of analyses to perform on these samples.

Please contact me if you need any additional information.

Thank you,

Keri Schaffer
Environmental Coordinator/Analyst
Regions 5, 6, and 10
CSC

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civil division | phone 703-818-4346 | fax 703-818-4602 | kschaffer@fedcsc.com | www.csc.com

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From: Agnes Huntley [Mitkem] [mailto:agnes_ng@mitkem.com]
Sent: Monday, October 27, 2008 5:09 PM
To: Schaffer, Keri
Subject: RE: Case 37971 SDG E2251

Hi Colin,

Attached are the TRs.

Agnes

From: Schaffer, Keri [mailto:kschaffer@fedcsc.com]
Sent: Monday, October 27, 2008 5:06 PM
To: Agnes Huntley [Mitkem]
Subject: RE: Case 37971 SDG E2251

Agnes,

This is Colin Walsh. Keri has left for the day.

Could you please provide the TR/COC?

Thanks,

Colin

Keri Schaffer
Environmental Coordinator/Analyst
Regions 5, 6, and 10
CSC

15000 Conference Center Drive, Chantilly, VA 20151
civil division | phone 703-818-4346 | fax 703-818-4602 | kschaffer@fedcsc.com | www.csc.com

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From: Agnes Huntley [Mitkem] [mailto:agnes_ng@mitkem.com]
Sent: Monday, October 27, 2008 4:12 PM
To: Schaffer, Keri
Subject: Case 37971 SDG E2251

Hi Keri,

The samples are listed on the TR/COC as VOA. The water samples for this case are scheduled for TVOA with one sample for both TVOA and VOA. What are we to analyze these samples by?

Thank you,

Agnes (Ng) Huntley
CLP Project Manager
Mitkem Laboratories
A Division of Spectrum Analytical, Featuring Hanibal Technology
(P) 401-732-3400 x316
(F) 401-732-3499
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From: Agnes Huntley [Mitkem] [mailto:agnes_ng@mitkem.com]
Sent: Monday, October 27, 2008 4:06 PM
To: Schaffer, Keri
Subject: Case 37971 SDG E2259

Hi Keri,

The VOA soil samples were received as 4oz soil jars instead of Encores or pre-preserved. The samples were treated like they were Encores, sample extruded into VOA vials and then frozen.

The samples were not extruded within 48-hours of collection. The samples were collected on October 22 and received on October 24. The samples were not extruded within the 48-hour from collection.

Thank you,

Agnes (Ng) Huntley
CLP Project Manager
Mitkem Laboratories
A Division of Spectrum Analytical, Featuring Hanibal Technology
(P) 401-732-3400 x316
(F) 401-732-3499
****
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2C - FORM II VOA-3

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	VDMC1 (VCL)	#	VDMC2 (CLA)	#	VDMC3 (DCE)	#	VDMC4 (BUT)	#	VDMC5 (CLF)	#	VDMC6 (DCA)	#	VDMC7 (BEN)	#
01	VBLK6M	91		74		89		90		107		95		115	
02	E2261	103		151	*	89		21		82		89		147	*
03	E2265	216	*	212	*	107		56		117		107		201	*
04	E2266	105		136	*	79		96		99		95		127	*
05	E2259	96		82		84		104		107		100		117	
06	VBLKO5	90		103		70		96		89		91		92	
07	E2260	114		123		76		106		105		107		113	
08	E2264	105		120		71		80		101		101		105	
09	E2262	99		112		68		81		97		97		96	
10	E2265RE	117		136	*	78		88		107		106		132	*
11	E2263	103		113		70		81		100		98		106	
12	VBLKS5	96		106		66		96		96		99		95	
13	E2259MS	93		96		88		90		91		92		100	
14	E2259MSD	86		98		84		95		90		91		97	
15	VBLKT5	85		95		63		100		91		94		96	
16	VHBLKT5	88		98		63		104		92		93		98	

			QC LIMITS
VDMC1	(VCL)	=Vinyl chloride-d3	(68-122)
VDMC2	(CLA)	=Chloroethane-d5	(61-130)
VDMC3	(DCE)	=1,1-Dichloroethene-d2	(45-132)
VDMC4	(BUT)	=2-Butanone-d5	(20-182)
VDMC5	(CLF)	=Chloroform-d	(72-123)
VDMC6	(DCA)	=1,2-Dichloroethane-d4	(79-122)
VDMC7	(BEN)	=Benzene-d6	(80-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SOM01.2 (6/2007)

2D - FORM II VOA-4

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	VDMC8 (DPA)	#	VDMC9 (TOL)	#	VDMC10 (TDP)	#	VDMC11 (HEX)	#	VDMC12 (DXE)	#	VDMC13 (TCA)	#	VDMC14 (DCZ)	#	TOT OUT
01	VBLK6M	111		112		102		87		85		86		105		0
02	E2261	135	*	130	*	108		28		100		51	*	95		5
03	E2265	176	*	149	*	113		6	*	138		75		95		6
04	E2266	122		118		106		102		102		92		99		2
05	E2259	114		112		100		97		87		96		110		0
06	VBLK05	95		91		96		84		105		89		95		0
07	E2260	115		100		103		95		91		93		98		0
08	E2264	111		97		93		73		91		85		103		0
09	E2262	100		92		94		73		74		84		97		0
10	E2265RE	137	*	115		107		79		94		91		103		3
11	E2263	110		97		101		81		73		88		97		0
12	VBLKS5	97		88		89		78		101		93		100		0
13	E2259MS	104		92		96		91		108		88		98		0
14	E2259MSD	100		92		96		91		112		92		99		0
15	VBLKT5	97		94		98		99		111		96		103		0
16	VHBLKT5	101		94		98		98		116		94		101		0

			QC LIMITS
VDMC8	(DPA)	= 1,2-Dichloropropane-d6	(74-124)
VDMC9	(TOL)	= Toluene-d8	(78-121)
VDMC10	(TDP)	= trans-1,3-Dichloropropene-d4	(72-130)
VDMC11	(HEX)	= 2-Hexanone-d5	(17-184)
VDMC12	(DXE)	= 1,4-Dioxane-d8	(50-150)
VDMC13	(TCA)	= 1,1,2,2-Tetrachloroethane-d2	(56-161)
VDMC14	(DCZ)	= 1,2-Dichlorobenzene-d4	(70-131)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SOM01.2 (6/2007)

2C - FORM II VOA-3

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Level: (LOW/MED) MED

	EPA SAMPLE NO.	VDMC1 (VCL)	#	VDMC2 (CLA)	#	VDMC3 (DCE)	#	VDMC4 (BUT)	#	VDMC5 (CLF)	#	VDMC6 (DCA)	#	VDMC7 (BEN)	#
01	VBLK6T	96		124		78		96		103		96		106	
02	E2261ME	101		28	*	82		94		101		94		109	
03	VHBLKT6	98		101		68		108		109		107		116	

			QC LIMITS
VDMC1	(VCL)	= Vinyl chloride-d3	(68-122)
VDMC2	(CLA)	= Chloroethane-d5	(61-130)
VDMC3	(DCE)	= 1,1-Dichloroethene-d2	(45-132)
VDMC4	(BUT)	= 2-Butanone-d5	(20-182)
VDMC5	(CLF)	= Chloroform-d	(72-123)
VDMC6	(DCA)	= 1,2-Dichloroethane-d4	(79-122)
VDMC7	(BEN)	= Benzene-d6	(80-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SOM01.2 (6/2007)

2D - FORM II VOA-4

SOIL VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Level: (LOW/MED) MED

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLK6T	110	105	104	93	102	102	103	0
02	E2261ME	111	107	102	87	100	94	101	1
03	VHBLKT6	124	106	111	108	121	116	106	0

			QC LIMITS
VDMC8	(DPA)	= 1,2-Dichloropropane-d6	(74-124)
VDMC9	(TOL)	= Toluene-d8	(78-121)
VDMC10	(TDP)	= trans-1,3-Dichloropropene-d4	(72-130)
VDMC11	(HEX)	= 2-Hexanone-d5	(17-184)
VDMC12	(DXE)	= 1,4-Dioxane-d8	(50-150)
VDMC13	(TCA)	= 1,1,2,2-Tetrachloroethane-d2	(56-161)
VDMC14	(DCZ)	= 1,2-Dichlorobenzene-d4	(70-131)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SOM01.2 (6/2007)

3B - FORM III VOA-2

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix Spike - EPA Sample No.: E2259

Instrument ID: V5 GC Column : DB-624 ID: 0.25 (mm)

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS %REC	#	QC. LIMITS REC.
1,1-Dichloroethene	59.5238	0.0000	50.9970	86		59-172
Benzene	59.5238	0.0000	66.4710	112		66-142
Trichloroethene	59.5238	0.0000	64.2498	108		62-137
Toluene	59.5238	0.0000	64.8797	109		59-139
Chlorobenzene	59.5238	0.0000	62.6290	105		60-133

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	58.3567	47.6821	82		5		22	59-172
Benzene	58.3567	68.4777	117		5		21	66-142
Trichloroethene	58.3567	67.2317	115		7		24	62-137
Toluene	58.3567	68.1858	117		7		21	59-139
Chlorobenzene	58.3567	65.8104	113		7		21	60-133

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

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6M

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Lab File ID: V6G1998.D Lab Sample ID: MB-39672

Instrument ID: V6

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 10/30/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 15:43

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E2261	G1911-03B	V6G2004.D	18:09
02	E2265	G1911-07B	V6G2008.D	20:06
03	E2266	G1911-08B	V6G2009.D	20:35
04	E2259	G1911-01B	V6G2018.D	1:26

COMMENTS:

SOM01.2 (6/2007)

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Lab File ID: V6G2105.D Lab Sample ID: MB-39727

Instrument ID: V6

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/02/2008

Level: (TRACE or LOW/MED) MED Time Analyzed: 21:07

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E2261ME	G1911-03B	V6G2106.D	22:03
02	VHBLKT6	VHBLKT6	V6G2123.D	6:19

COMMENTS:

SOM01.2 (6/2007)

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK05

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Lab File ID: V5K2517.D Lab Sample ID: MB-39748

Instrument ID: V5

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/01/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 19:48

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E2260	G1911-02B	V5K2525.D	0:59
02	E2264	G1911-06B	V5K2528.D	1:24
03	E2262	G1911-04B	V5K2526.D	1:27
04	E2265RE	G1911-07BRA	V5K2529.D	1:53
05	E2263	G1911-05B	V5K2527.D	1:56

COMMENTS:

SOM01.2 (6/2007)

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKS5

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Lab File ID: V5K2582.D Lab Sample ID: MB-39758

Instrument ID: V5

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/03/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 11:25

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E2259MS	G1911-01BMS	V5K2598.D	18:54
02	E2259MSD	G1911-01BMSD	V5K2599.D	19:23

COMMENTS:

SOM01.2 (6/2007)

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKT5

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Lab File ID: V5K2605.D Lab Sample ID: MB-39781

Instrument ID: V5

Matrix: (SOIL/SED/WATER) SOIL Date Analyzed: 11/03/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 22:12

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLKT5	VHBLKT5	V5K2606.D	22:40

COMMENTS:

SOM01.2 (6/2007)

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/01/2008 11/01/2008

EPA Sample No.(VSTD#####): VSTD050C5 Date Analyzed: 11/01/2008

Lab File ID (Standard): V5K2514.D Time Analyzed: 18:23

Instrument ID: V5 Heated Purge: (Y/N) Y

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	601380		8.841		725454		5.775		315648		11.57	
	UPPER LIMIT	1202760		9.341		1450908		6.275		631296		12.07	
	LOWER LIMIT	300690		8.341		362727		5.275		157824		11.07	
	EPA SAMPLE NO.												
01	VBLK05	531428		8.847		649264		5.769		246356		11.564	
02	E2260	448782		8.845		604289		5.767		159338		11.574	
03	E2264	495238		8.842		643197		5.776		183587		11.571	
04	E2262	594593		8.843		725141		5.777		251226		11.572	
05	E2265RE	332861		8.847		523351		5.781		104900	*	11.576	
06	E2263	519129		8.853		692935		5.776		194549		11.571	

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/01/2008 11/01/2008

EPA Sample No.(VSTD#####): VSTD050S5 Date Analyzed: 11/03/2008

Lab File ID (Standard): V5K2581.D Time Analyzed: 10:57

Instrument ID: V5 Heated Purge: (Y/N) Y

		IS1 (CBZ)			IS2 (DFB)			IS3 (DCB)		
		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	500778		8.842		571406		5.776		278382		11.571	
	UPPER LIMIT	1001556		9.342		1142812		6.276		556764		12.071	
	LOWER LIMIT	250389		8.342		285703		5.276		139191		11.071	
	EPA SAMPLE NO.												
01	VBLKS5	489325		8.843		583215		5.777		212322		11.572	
02	E2259MS	493792		8.842		632745		5.776		199759		11.571	
03	E2259MSD	437885		8.844		555242		5.778		183786		11.562	

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/01/2008 11/01/2008

EPA Sample No.(VSTD#####): VSTD050T5 Date Analyzed: 11/03/2008

Lab File ID (Standard): V5K2604.D Time Analyzed: 21:44

Instrument ID: V5 Heated Purge: (Y/N) Y

		IS1 (CBZ)			IS2 (DFB)			IS3 (DCB)		
		AREA	#	RT	#	AREA	#	RT	#	AREA	#	RT	#
	12 HOUR STD	486170		8.845		550429		5.78		251571		11.563	
	UPPER LIMIT	972340		9.345		1100858		6.28		503142		12.063	
	LOWER LIMIT	243085		8.345		275215		5.28		125786		11.063	
	EPA SAMPLE NO.												
01	VBLKT5	447620		8.847		552684		5.781		208878		11.564	
02	VHBLKT5	471558		8.847		590141		5.769		210124		11.564	

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 10/30/2008 10/30/2008

EPA Sample No.(VSTD#####): VSTD0506M Date Analyzed: 10/30/2008

Lab File ID (Standard): V6G1997.D Time Analyzed: 15:14

Instrument ID: V6 Heated Purge: (Y/N) Y

		IS1 (CBZ) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (DCB) AREA	#	RT	#
	12 HOUR STD	1132132		9.634		1113700		6.118		553949		12.566	
	UPPER LIMIT	2264264		10.134		2227400		6.618		1107898		13.066	
	LOWER LIMIT	566066		9.134		556850		5.618		276975		12.066	
	EPA SAMPLE NO.												
01	VBLK6M	1155464		9.629		1183968		6.118		549840		12.567	
02	E2261	777230		9.634		1065211		6.112		199383	*	12.567	
03	E2265	438326	*	9.636		744678		6.114		100361	*	12.569	
04	E2266	904385		9.634		1061917		6.118		297450		12.566	
05	E2259	921696		9.630		946795		6.114		420118		12.569	

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/01/2008 11/01/2008

EPA Sample No.(VSTD#####): VSTD0506T Date Analyzed: 11/02/2008

Lab File ID (Standard): V6G2104.D Time Analyzed: 20:40

Instrument ID: V6 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	1014742	9.627	1018100	6.111	552742	12.559
	UPPER LIMIT	2029484	10.127	2036200	6.611	1105484	13.059
	LOWER LIMIT	507371	9.127	509050	5.611	276371	12.059
	EPA SAMPLE NO.						
01	VBLK6T	1247257	9.629	1323549	6.113	592523	12.561
02	E2261ME	1339454	9.628	1473178	6.111	618289	12.560
03	VHBLKT6	1360948	9.627	1550062	6.111	603279	12.565

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-01B

Sample wt/vol: 4.80 (g/mL) G

Lab File ID: V6G2018.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 16

Date Analyzed: 10/31/2008

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	6.2	U
74-87-3	Chloromethane	6.2	U
75-01-4	Vinyl chloride	6.2	U
74-83-9	Bromomethane	6.2	U
75-00-3	Chloroethane	6.2	U
75-69-4	Trichlorofluoromethane	6.2	U
75-35-4	1,1-Dichloroethene	6.2	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	6.2	U
79-20-9	Methyl acetate	6.2	U
75-09-2	Methylene chloride	6.2	U
156-60-5	trans-1,2-Dichloroethene	6.2	U
1634-04-4	Methyl tert-butyl ether	6.2	U
75-34-3	1,1-Dichloroethane	6.2	U
156-59-2	cis-1,2-Dichloroethene	6.2	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	6.2	U
67-66-3	Chloroform	6.2	U
71-55-6	1,1,1-Trichloroethane	6.2	U
110-82-7	Cyclohexane	6.2	U
56-23-5	Carbon tetrachloride	6.2	U
71-43-2	Benzene	6.2	U
107-06-2	1,2-Dichloroethane	6.2	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-01B

Sample wt/vol: 4.80 (g/mL) G

Lab File ID: V6G2018.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 16

Date Analyzed: 10/31/2008

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
79-01-6	Trichloroethene	6.2	U
108-87-2	Methylcyclohexane	6.2	U
78-87-5	1,2-Dichloropropane	6.2	U
75-27-4	Bromodichloromethane	6.2	U
10061-01-5	cis-1,3-Dichloropropene	6.2	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	6.2	U
10061-02-6	trans-1,3-Dichloropropene	6.2	U
79-00-5	1,1,2-Trichloroethane	6.2	U
127-18-4	Tetrachloroethene	6.2	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	6.2	U
106-93-4	1,2-Dibromoethane	6.2	U
108-90-7	Chlorobenzene	6.2	U
100-41-4	Ethylbenzene	6.2	U
179601-23-1	m,p-Xylene	6.2	U
95-47-6	o-Xylene	6.2	U
100-42-5	Styrene	6.2	U
75-25-2	Bromoform	6.2	U
98-82-8	Isopropylbenzene	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U
541-73-1	1,3-Dichlorobenzene	6.2	U
106-46-7	1,4-Dichlorobenzene	6.2	U
95-50-1	1,2-Dichlorobenzene	6.2	U
96-12-8	1,2-Dibromo-3-chloropropane	6.2	U
120-82-1	1,2,4-Trichlorobenzene	6.2	U
87-61-6	1,2,3-Trichlorobenzene	6.2	U

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

EPA SAMPLE NO.
E2259

Lab Name: MITKEM LABORATORIES
Contract: EP-W-05-030
Lab Code: MITKEM
Case No.: 37971
Mod. Ref No.:
SDG No.: E2259
Matrix: (SOIL/SED/WATER) SOIL
Lab Sample ID: G1911-01B
Sample wt/vol: 4.80 (g/mL) G
Lab File ID: V6G2018.D
Level: (TRACE or LOW/MED) LOW
Date Received: 10/24/2008
% Moisture: not dec. 16
Date Analyzed: 10/31/2008
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
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MS

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01BMS

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V5K2598.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 16 Date Analyzed: 11/03/2008

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	6.0	U
74-87-3	Chloromethane	6.0	U
75-01-4	Vinyl chloride	6.0	U
74-83-9	Bromomethane	6.0	U
75-00-3	Chloroethane	6.0	U
75-69-4	Trichlorofluoromethane	6.0	U
75-35-4	1,1-Dichloroethene	51	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	6.0	U
79-20-9	Methyl acetate	6.0	U
75-09-2	Methylene chloride	6.0	U
156-60-5	trans-1,2-Dichloroethene	6.0	U
1634-04-4	Methyl tert-butyl ether	6.0	U
75-34-3	1,1-Dichloroethane	6.0	U
156-59-2	cis-1,2-Dichloroethene	6.0	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	6.0	U
67-66-3	Chloroform	6.0	U
71-55-6	1,1,1-Trichloroethane	6.0	U
110-82-7	Cyclohexane	6.0	U
56-23-5	Carbon tetrachloride	6.0	U
71-43-2	Benzene	66	
107-06-2	1,2-Dichloroethane	6.0	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MS

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-01BMS

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V5K2598.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 16

Date Analyzed: 11/03/2008

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
79-01-6	Trichloroethene	64	
108-87-2	Methylcyclohexane	6.0	U
78-87-5	1,2-Dichloropropane	6.0	U
75-27-4	Bromodichloromethane	6.0	U
10061-01-5	cis-1,3-Dichloropropene	6.0	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	65	
10061-02-6	trans-1,3-Dichloropropene	6.0	U
79-00-5	1,1,2-Trichloroethane	6.0	U
127-18-4	Tetrachloroethene	6.0	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	6.0	U
106-93-4	1,2-Dibromoethane	6.0	U
108-90-7	Chlorobenzene	63	
100-41-4	Ethylbenzene	6.0	U
179601-23-1	m,p-Xylene	6.0	U
95-47-6	o-Xylene	6.0	U
100-42-5	Styrene	6.0	U
75-25-2	Bromoform	6.0	U
98-82-8	Isopropylbenzene	6.0	U
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U
541-73-1	1,3-Dichlorobenzene	6.0	U
106-46-7	1,4-Dichlorobenzene	6.0	U
95-50-1	1,2-Dichlorobenzene	6.0	U
96-12-8	1,2-Dibromo-3-chloropropane	6.0	U
120-82-1	1,2,4-Trichlorobenzene	6.0	U
87-61-6	1,2,3-Trichlorobenzene	6.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MSD

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01BMSD

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V5K2599.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 16 Date Analyzed: 11/03/2008

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	5.8	U
74-87-3	Chloromethane	5.8	U
75-01-4	Vinyl chloride	5.8	U
74-83-9	Bromomethane	5.8	U
75-00-3	Chloroethane	5.8	U
75-69-4	Trichlorofluoromethane	5.8	U
75-35-4	1,1-Dichloroethene	48	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	5.8	U
79-20-9	Methyl acetate	5.8	U
75-09-2	Methylene chloride	5.8	U
156-60-5	trans-1,2-Dichloroethene	5.8	U
1634-04-4	Methyl tert-butyl ether	5.8	U
75-34-3	1,1-Dichloroethane	5.8	U
156-59-2	cis-1,2-Dichloroethene	5.8	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	5.8	U
67-66-3	Chloroform	5.8	U
71-55-6	1,1,1-Trichloroethane	5.8	U
110-82-7	Cyclohexane	5.8	U
56-23-5	Carbon tetrachloride	5.8	U
71-43-2	Benzene	68	
107-06-2	1,2-Dichloroethane	5.8	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MSD

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-01BMSD

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: V5K2599.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 16

Date Analyzed: 11/03/2008

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
79-01-6	Trichloroethene	67	
108-87-2	Methylcyclohexane	5.8	U
78-87-5	1,2-Dichloropropane	5.8	U
75-27-4	Bromodichloromethane	5.8	U
10061-01-5	cis-1,3-Dichloropropene	5.8	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	68	
10061-02-6	trans-1,3-Dichloropropene	5.8	U
79-00-5	1,1,2-Trichloroethane	5.8	U
127-18-4	Tetrachloroethene	5.8	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	5.8	U
106-93-4	1,2-Dibromoethane	5.8	U
108-90-7	Chlorobenzene	66	
100-41-4	Ethylbenzene	5.8	U
179601-23-1	m,p-Xylene	5.8	U
95-47-6	o-Xylene	5.8	U
100-42-5	Styrene	5.8	U
75-25-2	Bromoform	5.8	U
98-82-8	Isopropylbenzene	5.8	U
79-34-5	1,1,2,2-Tetrachloroethane	5.8	U
541-73-1	1,3-Dichlorobenzene	5.8	U
106-46-7	1,4-Dichlorobenzene	5.8	U
95-50-1	1,2-Dichlorobenzene	5.8	U
96-12-8	1,2-Dibromo-3-chloropropane	5.8	U
120-82-1	1,2,4-Trichlorobenzene	5.8	U
87-61-6	1,2,3-Trichlorobenzene	5.8	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2260

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-02B

Sample wt/vol: 5.10 (g/mL) G Lab File ID: V5K2525.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 11 Date Analyzed: 11/02/2008

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	5.5	U
74-87-3	Chloromethane	5.5	U
75-01-4	Vinyl chloride	5.5	U
74-83-9	Bromomethane	5.5	U
75-00-3	Chloroethane	5.5	U
75-69-4	Trichlorofluoromethane	5.5	U
75-35-4	1,1-Dichloroethene	5.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	5.5	U
79-20-9	Methyl acetate	5.5	U
75-09-2	Methylene chloride	5.5	U
156-60-5	trans-1,2-Dichloroethene	5.5	U
1634-04-4	Methyl tert-butyl ether	5.5	U
75-34-3	1,1-Dichloroethane	5.5	U
156-59-2	cis-1,2-Dichloroethene	5.5	U
78-93-3	2-Butanone	11	U
74-97-5	Bromochloromethane	5.5	U
67-66-3	Chloroform	5.5	U
71-55-6	1,1,1-Trichloroethane	5.5	U
110-82-7	Cyclohexane	5.5	U
56-23-5	Carbon tetrachloride	5.5	U
71-43-2	Benzene	5.5	U
107-06-2	1,2-Dichloroethane	5.5	U
123-91-1	1,4-Dioxane	110	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2260

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-02B

Sample wt/vol: 5.10 (g/mL) G

Lab File ID: V5K2525.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 11

Date Analyzed: 11/02/2008

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
79-01-6	Trichloroethene	3.9	J
108-87-2	Methylcyclohexane	5.5	U
78-87-5	1,2-Dichloropropane	5.5	U
75-27-4	Bromodichloromethane	5.5	U
10061-01-5	cis-1,3-Dichloropropene	5.5	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	5.5	U
10061-02-6	trans-1,3-Dichloropropene	5.5	U
79-00-5	1,1,2-Trichloroethane	5.5	U
127-18-4	Tetrachloroethene	5.5	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.5	U
106-93-4	1,2-Dibromoethane	5.5	U
108-90-7	Chlorobenzene	5.5	U
100-41-4	Ethylbenzene	5.5	U
179601-23-1	m,p-Xylene	5.5	U
95-47-6	o-Xylene	5.5	U
100-42-5	Styrene	5.5	U
75-25-2	Bromoform	5.5	U
98-82-8	Isopropylbenzene	5.5	U
79-34-5	1,1,2,2-Tetrachloroethane	5.5	U
541-73-1	1,3-Dichlorobenzene	5.5	U
106-46-7	1,4-Dichlorobenzene	5.5	U
95-50-1	1,2-Dichlorobenzene	5.5	U
96-12-8	1,2-Dibromo-3-chloropropane	5.5	U
120-82-1	1,2,4-Trichlorobenzene	5.5	U
87-61-6	1,2,3-Trichlorobenzene	5.5	U

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

EPA SAMPLE NO.
E2260

Lab Name: MITKEM LABORATORIES
Contract: EP-W-05-030
Lab Code: MITKEM
Case No.: 37971
Mod. Ref No.:
SDG No.: E2259
Matrix: (SOIL/SED/WATER) SOIL
Lab Sample ID: G1911-02B
Sample wt/vol: 5.10 (g/mL) G
Lab File ID: V5K2525.D
Level: (TRACE or LOW/MED) LOW
Date Received: 10/24/2008
% Moisture: not dec. 11
Date Analyzed: 11/02/2008
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
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2261

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-03B

Sample wt/vol: 5.20 (g/mL) G

Lab File ID: V6G2004.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 21

Date Analyzed: 10/30/2008

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
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
75-69-4	Trichlorofluoromethane	6.1	U
75-35-4	1,1-Dichloroethene	6.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	6.1	U
79-20-9	Methyl acetate	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
156-59-2	cis-1,2-Dichloroethene	6.1	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	6.1	U
67-66-3	Chloroform	9.2	
71-55-6	1,1,1-Trichloroethane	6.1	U
110-82-7	Cyclohexane	6.1	U
56-23-5	Carbon tetrachloride	6.1	U
71-43-2	Benzene	6.1	U
107-06-2	1,2-Dichloroethane	6.1	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2261

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-03B

Sample wt/vol: 5.20 (g/mL) G

Lab File ID: V6G2004.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 21

Date Analyzed: 10/30/2008

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
79-01-6	Trichloroethene	260	E
108-87-2	Methylcyclohexane	6.1	U
78-87-5	1,2-Dichloropropane	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	12	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
127-18-4	Tetrachloroethene	7.0	
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	6.1	U
106-93-4	1,2-Dibromoethane	6.1	U
108-90-7	Chlorobenzene	6.1	U
100-41-4	Ethylbenzene	6.1	U
179601-23-1	m,p-Xylene	6.1	U
95-47-6	o-Xylene	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
541-73-1	1,3-Dichlorobenzene	6.1	U
106-46-7	1,4-Dichlorobenzene	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
87-61-6	1,2,3-Trichlorobenzene	6.1	U

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

EPA SAMPLE NO.
E2261

Lab Name: MITKEM LABORATORIES
Contract: EP-W-05-030
Lab Code: MITKEM
Case No.: 37971
Mod. Ref No.:
SDG No.: E2259
Matrix: (SOIL/SED/WATER) SOIL
Lab Sample ID: G1911-03B
Sample wt/vol: 5.20 (g/mL) G
Lab File ID: V6G2004.D
Level: (TRACE or LOW/MED) LOW
Date Received: 10/24/2008
% Moisture: not dec. 21
Date Analyzed: 10/30/2008
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	4.768	13	J
02		Unknown-02	8.679	23	J
	E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2261ME

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-03B

Sample wt/vol: 5.20 (g/mL) G Lab File ID: V6G2106.D

Level: (TRACE/LOW/MED) MED Date Received: 10/24/2008

% Moisture: not dec. 21 Date Analyzed: 11/02/2008

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

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	370	U
74-87-3	Chloromethane	370	U
75-01-4	Vinyl chloride	370	U
74-83-9	Bromomethane	370	U
75-00-3	Chloroethane	370	U
75-69-4	Trichlorofluoromethane	370	U
75-35-4	1,1-Dichloroethene	370	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	370	U
67-64-1	Acetone	740	U
75-15-0	Carbon disulfide	370	U
79-20-9	Methyl acetate	370	U
75-09-2	Methylene chloride	370	U
156-60-5	trans-1,2-Dichloroethene	370	U
1634-04-4	Methyl tert-butyl ether	370	U
75-34-3	1,1-Dichloroethane	370	U
156-59-2	cis-1,2-Dichloroethene	370	U
78-93-3	2-Butanone	740	U
74-97-5	Bromochloromethane	370	U
67-66-3	Chloroform	370	U
71-55-6	1,1,1-Trichloroethane	370	U
110-82-7	Cyclohexane	370	U
56-23-5	Carbon tetrachloride	370	U
71-43-2	Benzene	370	U
107-06-2	1,2-Dichloroethane	370	U
123-91-1	1,4-Dioxane	7400	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2261ME

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-03B

Sample wt/vol: 5.20 (g/mL) G

Lab File ID: V6G2106.D

Level: (TRACE/LOW/MED) MED

Date Received: 10/24/2008

% Moisture: not dec. 21

Date Analyzed: 11/02/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	700	
108-87-2	Methylcyclohexane	370	U
78-87-5	1,2-Dichloropropane	370	U
75-27-4	Bromodichloromethane	370	U
10061-01-5	cis-1,3-Dichloropropene	370	U
108-10-1	4-Methyl-2-pentanone	740	U
108-88-3	Toluene	370	U
10061-02-6	trans-1,3-Dichloropropene	370	U
79-00-5	1,1,2-Trichloroethane	370	U
127-18-4	Tetrachloroethene	370	U
591-78-6	2-Hexanone	740	U
124-48-1	Dibromochloromethane	370	U
106-93-4	1,2-Dibromoethane	370	U
108-90-7	Chlorobenzene	370	U
100-41-4	Ethylbenzene	370	U
179601-23-1	m,p-Xylene	370	U
95-47-6	o-Xylene	370	U
100-42-5	Styrene	370	U
75-25-2	Bromoform	370	U
98-82-8	Isopropylbenzene	370	U
79-34-5	1,1,2,2-Tetrachloroethane	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
96-12-8	1,2-Dibromo-3-chloropropane	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
87-61-6	1,2,3-Trichlorobenzene	370	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2261ME

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-03B

Sample wt/vol: 5.20 (g/mL) G Lab File ID: V6G2106.D

Level: (TRACE or LOW/MED) MED Date Received: 10/24/2008

% Moisture: not dec. 21 Date Analyzed: 11/02/2008

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

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2262

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-04B

Sample wt/vol: 5.20 (g/mL) G

Lab File ID: V5K2526.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 21

Date Analyzed: 11/02/2008

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
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
75-69-4	Trichlorofluoromethane	6.1	U
75-35-4	1,1-Dichloroethene	6.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	6.1	U
79-20-9	Methyl acetate	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
156-59-2	cis-1,2-Dichloroethene	6.1	U
78-93-3	2-Butanone	12	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
110-82-7	Cyclohexane	6.1	U
56-23-5	Carbon tetrachloride	6.1	U
71-43-2	Benzene	6.1	U
107-06-2	1,2-Dichloroethane	6.1	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2262

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-04B

Sample wt/vol: 5.20 (g/mL) G

Lab File ID: V5K2526.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 21

Date Analyzed: 11/02/2008

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
79-01-6	Trichloroethene	5.9	J
108-87-2	Methylcyclohexane	6.1	U
78-87-5	1,2-Dichloropropane	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	12	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
127-18-4	Tetrachloroethene	6.1	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	6.1	U
106-93-4	1,2-Dibromoethane	6.1	U
108-90-7	Chlorobenzene	6.1	U
100-41-4	Ethylbenzene	6.1	U
179601-23-1	m,p-Xylene	6.1	U
95-47-6	o-Xylene	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
541-73-1	1,3-Dichlorobenzene	6.1	U
106-46-7	1,4-Dichlorobenzene	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
87-61-6	1,2,3-Trichlorobenzene	6.1	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2262

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-04B

Sample wt/vol: 5.20 (g/mL) G Lab File ID: V5K2526.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 21 Date Analyzed: 11/02/2008

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
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2263

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-05B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V5K2527.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 22 Date Analyzed: 11/02/2008

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	6.0	U
74-87-3	Chloromethane	6.0	U
75-01-4	Vinyl chloride	6.0	U
74-83-9	Bromomethane	6.0	U
75-00-3	Chloroethane	6.0	U
75-69-4	Trichlorofluoromethane	6.0	U
75-35-4	1,1-Dichloroethene	6.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	6.0	U
79-20-9	Methyl acetate	6.0	U
75-09-2	Methylene chloride	6.0	U
156-60-5	trans-1,2-Dichloroethene	6.0	U
1634-04-4	Methyl tert-butyl ether	6.0	U
75-34-3	1,1-Dichloroethane	6.0	U
156-59-2	cis-1,2-Dichloroethene	6.0	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	6.0	U
67-66-3	Chloroform	6.0	U
71-55-6	1,1,1-Trichloroethane	6.0	U
110-82-7	Cyclohexane	6.0	U
56-23-5	Carbon tetrachloride	6.0	U
71-43-2	Benzene	6.0	U
107-06-2	1,2-Dichloroethane	6.0	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2263

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-05B

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

Lab File ID: V5K2527.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 22

Date Analyzed: 11/02/2008

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
79-01-6	Trichloroethene	25	
108-87-2	Methylcyclohexane	6.0	U
78-87-5	1,2-Dichloropropane	6.0	U
75-27-4	Bromodichloromethane	6.0	U
10061-01-5	cis-1,3-Dichloropropene	6.0	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	6.0	U
10061-02-6	trans-1,3-Dichloropropene	6.0	U
79-00-5	1,1,2-Trichloroethane	6.0	U
127-18-4	Tetrachloroethene	6.0	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	6.0	U
106-93-4	1,2-Dibromoethane	6.0	U
108-90-7	Chlorobenzene	6.0	U
100-41-4	Ethylbenzene	6.0	U
179601-23-1	m,p-Xylene	6.0	U
95-47-6	o-Xylene	6.0	U
100-42-5	Styrene	6.0	U
75-25-2	Bromoform	6.0	U
98-82-8	Isopropylbenzene	6.0	U
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U
541-73-1	1,3-Dichlorobenzene	6.0	U
106-46-7	1,4-Dichlorobenzene	6.0	U
95-50-1	1,2-Dichlorobenzene	6.0	U
96-12-8	1,2-Dibromo-3-chloropropane	6.0	U
120-82-1	1,2,4-Trichlorobenzene	6.0	U
87-61-6	1,2,3-Trichlorobenzene	6.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2263

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-05B

Sample wt/vol: 5.30 (g/mL) G Lab File ID: V5K2527.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 22 Date Analyzed: 11/02/2008

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
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2264

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-06B

Sample wt/vol: 5.40 (g/mL) G Lab File ID: V5K2528.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 14 Date Analyzed: 11/02/2008

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	5.4	U
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
75-69-4	Trichlorofluoromethane	5.4	U
75-35-4	1,1-Dichloroethene	5.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	5.4	U
79-20-9	Methyl acetate	5.4	U
75-09-2	Methylene chloride	5.4	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
1634-04-4	Methyl tert-butyl ether	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
156-59-2	cis-1,2-Dichloroethene	5.4	U
78-93-3	2-Butanone	11	U
74-97-5	Bromochloromethane	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
110-82-7	Cyclohexane	5.4	U
56-23-5	Carbon tetrachloride	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
123-91-1	1,4-Dioxane	110	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2264

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-06B

Sample wt/vol: 5.40 (g/mL) G

Lab File ID: V5K2528.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 14

Date Analyzed: 11/02/2008

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
79-01-6	Trichloroethene	5.4	U
108-87-2	Methylcyclohexane	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	5.4	U
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.4	U
106-93-4	1,2-Dibromoethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
179601-23-1	m,p-Xylene	5.4	U
95-47-6	o-Xylene	5.4	U
100-42-5	Styrene	5.4	U
75-25-2	Bromoform	5.4	U
98-82-8	Isopropylbenzene	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U
541-73-1	1,3-Dichlorobenzene	5.4	U
106-46-7	1,4-Dichlorobenzene	5.4	U
95-50-1	1,2-Dichlorobenzene	5.4	U
96-12-8	1,2-Dibromo-3-chloropropane	5.4	U
120-82-1	1,2,4-Trichlorobenzene	5.4	U
87-61-6	1,2,3-Trichlorobenzene	5.4	U

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

EPA SAMPLE NO.
E2264

Lab Name: MITKEM LABORATORIES
Contract: EP-W-05-030
Lab Code: MITKEM
Case No.: 37971
Mod. Ref No.:
SDG No.: E2259
Matrix: (SOIL/SED/WATER) SOIL
Lab Sample ID: G1911-06B
Sample wt/vol: 5.40 (g/mL) G
Lab File ID: V5K2528.D
Level: (TRACE or LOW/MED) LOW
Date Received: 10/24/2008
% Moisture: not dec. 14
Date Analyzed: 11/02/2008
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
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2265

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-07B

Sample wt/vol: 4.80 (g/mL) G

Lab File ID: V6G2008.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 13

Date Analyzed: 10/30/2008

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	6.0	U
74-87-3	Chloromethane	6.0	U
75-01-4	Vinyl chloride	6.0	U
74-83-9	Bromomethane	6.0	U
75-00-3	Chloroethane	6.0	U
75-69-4	Trichlorofluoromethane	6.0	U
75-35-4	1,1-Dichloroethene	6.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.0	U
67-64-1	Acetone	12	U
75-15-0	Carbon disulfide	6.0	U
79-20-9	Methyl acetate	6.0	U
75-09-2	Methylene chloride	6.0	U
156-60-5	trans-1,2-Dichloroethene	6.0	U
1634-04-4	Methyl tert-butyl ether	6.0	U
75-34-3	1,1-Dichloroethane	6.0	U
156-59-2	cis-1,2-Dichloroethene	6.0	U
78-93-3	2-Butanone	12	U
74-97-5	Bromochloromethane	6.0	U
67-66-3	Chloroform	6.0	U
71-55-6	1,1,1-Trichloroethane	6.0	U
110-82-7	Cyclohexane	6.0	U
56-23-5	Carbon tetrachloride	6.0	U
71-43-2	Benzene	6.0	U
107-06-2	1,2-Dichloroethane	6.0	U
123-91-1	1,4-Dioxane	120	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2265

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-07B

Sample wt/vol: 4.80 (g/mL) G Lab File ID: V6G2008.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 13 Date Analyzed: 10/30/2008

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
79-01-6	Trichloroethene	9.5	
108-87-2	Methylcyclohexane	6.0	U
78-87-5	1,2-Dichloropropane	6.0	U
75-27-4	Bromodichloromethane	6.0	U
10061-01-5	cis-1,3-Dichloropropene	6.0	U
108-10-1	4-Methyl-2-pentanone	12	U
108-88-3	Toluene	6.0	U
10061-02-6	trans-1,3-Dichloropropene	6.0	U
79-00-5	1,1,2-Trichloroethane	6.0	U
127-18-4	Tetrachloroethene	6.0	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	6.0	U
106-93-4	1,2-Dibromoethane	6.0	U
108-90-7	Chlorobenzene	6.0	U
100-41-4	Ethylbenzene	6.0	U
179601-23-1	m,p-Xylene	6.0	U
95-47-6	o-Xylene	6.0	U
100-42-5	Styrene	6.0	U
75-25-2	Bromoform	6.0	U
98-82-8	Isopropylbenzene	6.0	U
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U
541-73-1	1,3-Dichlorobenzene	6.0	U
106-46-7	1,4-Dichlorobenzene	6.0	U
95-50-1	1,2-Dichlorobenzene	6.0	U
96-12-8	1,2-Dibromo-3-chloropropane	6.0	U
120-82-1	1,2,4-Trichlorobenzene	6.0	U
87-61-6	1,2,3-Trichlorobenzene	6.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2265

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-07B

Sample wt/vol: 4.80 (g/mL) G Lab File ID: V6G2008.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 13 Date Analyzed: 10/30/2008

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
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2265RE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-07BRA

Sample wt/vol: 5.20 (g/mL) G Lab File ID: V5K2529.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 13 Date Analyzed: 11/02/2008

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	5.5	U
74-87-3	Chloromethane	5.5	U
75-01-4	Vinyl chloride	5.5	U
74-83-9	Bromomethane	5.5	U
75-00-3	Chloroethane	5.5	U
75-69-4	Trichlorofluoromethane	5.5	U
75-35-4	1,1-Dichloroethene	5.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U
67-64-1	Acetone	11	U
75-15-0	Carbon disulfide	5.5	U
79-20-9	Methyl acetate	5.5	U
75-09-2	Methylene chloride	5.5	U
156-60-5	trans-1,2-Dichloroethene	5.5	U
1634-04-4	Methyl tert-butyl ether	5.5	U
75-34-3	1,1-Dichloroethane	5.5	U
156-59-2	cis-1,2-Dichloroethene	5.5	U
78-93-3	2-Butanone	11	U
74-97-5	Bromochloromethane	5.5	U
67-66-3	Chloroform	5.5	U
71-55-6	1,1,1-Trichloroethane	5.5	U
110-82-7	Cyclohexane	5.5	U
56-23-5	Carbon tetrachloride	5.5	U
71-43-2	Benzene	5.5	U
107-06-2	1,2-Dichloroethane	5.5	U
123-91-1	1,4-Dioxane	110	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2265RE

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-07BRA

Sample wt/vol: 5.20 (g/mL) G

Lab File ID: V5K2529.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 13

Date Analyzed: 11/02/2008

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
79-01-6	Trichloroethene	2.4	J
108-87-2	Methylcyclohexane	5.5	U
78-87-5	1,2-Dichloropropane	5.5	U
75-27-4	Bromodichloromethane	5.5	U
10061-01-5	cis-1,3-Dichloropropene	5.5	U
108-10-1	4-Methyl-2-pentanone	11	U
108-88-3	Toluene	5.5	U
10061-02-6	trans-1,3-Dichloropropene	5.5	U
79-00-5	1,1,2-Trichloroethane	5.5	U
127-18-4	Tetrachloroethene	5.5	U
591-78-6	2-Hexanone	11	U
124-48-1	Dibromochloromethane	5.5	U
106-93-4	1,2-Dibromoethane	5.5	U
108-90-7	Chlorobenzene	5.5	U
100-41-4	Ethylbenzene	5.5	U
179601-23-1	m,p-Xylene	5.5	U
95-47-6	o-Xylene	5.5	U
100-42-5	Styrene	5.5	U
75-25-2	Bromoform	5.5	U
98-82-8	Isopropylbenzene	5.5	U
79-34-5	1,1,2,2-Tetrachloroethane	5.5	U
541-73-1	1,3-Dichlorobenzene	5.5	U
106-46-7	1,4-Dichlorobenzene	5.5	U
95-50-1	1,2-Dichlorobenzene	5.5	U
96-12-8	1,2-Dibromo-3-chloropropane	5.5	U
120-82-1	1,2,4-Trichlorobenzene	5.5	U
87-61-6	1,2,3-Trichlorobenzene	5.5	U

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

EPA SAMPLE NO.
E2265RE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-07BRA

Sample wt/vol: 5.20 (g/mL) G Lab File ID: V5K2529.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 13 Date Analyzed: 11/02/2008

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
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2266

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-08B

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V6G2009.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 21

Date Analyzed: 10/30/2008

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
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
75-69-4	Trichlorofluoromethane	6.3	U
75-35-4	1,1-Dichloroethene	6.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.3	U
67-64-1	Acetone	13	U
75-15-0	Carbon disulfide	6.3	U
79-20-9	Methyl acetate	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
156-59-2	cis-1,2-Dichloroethene	6.3	U
78-93-3	2-Butanone	13	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
110-82-7	Cyclohexane	6.3	U
56-23-5	Carbon tetrachloride	6.3	U
71-43-2	Benzene	6.3	U
107-06-2	1,2-Dichloroethane	6.3	U
123-91-1	1,4-Dioxane	130	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2266

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-08B

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V6G2009.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec. 21

Date Analyzed: 10/30/2008

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
79-01-6	Trichloroethene	75	
108-87-2	Methylcyclohexane	6.3	U
78-87-5	1,2-Dichloropropane	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	13	U
108-88-3	Toluene	6.3	U
10061-02-6	trans-1,3-Dichloropropene	6.3	U
79-00-5	1,1,2-Trichloroethane	6.3	U
127-18-4	Tetrachloroethene	3.1	J
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	6.3	U
106-93-4	1,2-Dibromoethane	6.3	U
108-90-7	Chlorobenzene	6.3	U
100-41-4	Ethylbenzene	6.3	U
179601-23-1	m,p-Xylene	6.3	U
95-47-6	o-Xylene	6.3	U
100-42-5	Styrene	6.3	U
75-25-2	Bromoform	6.3	U
98-82-8	Isopropylbenzene	6.3	U
79-34-5	1,1,2,2-Tetrachloroethane	6.3	U
541-73-1	1,3-Dichlorobenzene	6.3	U
106-46-7	1,4-Dichlorobenzene	6.3	U
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
87-61-6	1,2,3-Trichlorobenzene	6.3	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2266

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-08B

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2009.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. 21 Date Analyzed: 10/30/2008

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
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6M

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: MB-39672

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V6G1998.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 10/30/2008

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	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6M

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-39672

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G1998.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/30/2008

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
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK6M

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-39672

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G1998.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 10/30/2008

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
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-39727

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2105.D

Level: (TRACE/LOW/MED) MED Date Received:

% Moisture: not dec. Date Analyzed: 11/02/2008

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

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	250	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl chloride	250	U
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
75-69-4	Trichlorofluoromethane	250	U
75-35-4	1,1-Dichloroethene	250	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon disulfide	250	U
79-20-9	Methyl acetate	250	U
75-09-2	Methylene chloride	250	U
156-60-5	trans-1,2-Dichloroethene	250	U
1634-04-4	Methyl tert-butyl ether	250	U
75-34-3	1,1-Dichloroethane	250	U
156-59-2	cis-1,2-Dichloroethene	250	U
78-93-3	2-Butanone	500	U
74-97-5	Bromochloromethane	250	U
67-66-3	Chloroform	250	U
71-55-6	1,1,1-Trichloroethane	250	U
110-82-7	Cyclohexane	250	U
56-23-5	Carbon tetrachloride	250	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	250	U
123-91-1	1,4-Dioxane	5000	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: MB-39727

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V6G2105.D

Level: (TRACE/LOW/MED) MED

Date Received:

% Moisture: not dec.

Date Analyzed: 11/02/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	250	U
108-87-2	Methylcyclohexane	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
124-48-1	Dibromochloromethane	250	U
106-93-4	1,2-Dibromoethane	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
179601-23-1	m,p-Xylene	250	U
95-47-6	o-Xylene	250	U
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U
98-82-8	Isopropylbenzene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	250	U
95-50-1	1,2-Dichlorobenzene	250	U
96-12-8	1,2-Dibromo-3-chloropropane	250	U
120-82-1	1,2,4-Trichlorobenzene	250	U
87-61-6	1,2,3-Trichlorobenzene	250	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK6T

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-39727

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2105.D

Level: (TRACE or LOW/MED) MED Date Received:

% Moisture: not dec. Date Analyzed: 11/02/2008

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

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK05

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: MB-39748

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V5K2517.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/01/2008

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	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK05

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: MB-39748

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V5K2517.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/01/2008

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
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

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

EPA SAMPLE NO.
VBLK05

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-39748

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V5K2517.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/01/2008

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
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKS5

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: MB-39758

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V5K2582.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/03/2008

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	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKS5

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: MB-39758

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V5K2582.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/03/2008

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
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

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

EPA SAMPLE NO.
VBLKS5

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-39758

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V5K2582.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/03/2008

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
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKT5

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: MB-39781

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V5K2605.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/03/2008

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	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKT5

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: MB-39781

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V5K2605.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/03/2008

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
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	4.6	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

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

EPA SAMPLE NO.
VBLKT5

Lab Name: MITKEM LABORATORIES
Contract: EP-W-05-030
Lab Code: MITKEM
Case No.: 37971
Mod. Ref No.:
SDG No.: E2259
Matrix: (SOIL/SED/WATER) SOIL
Lab Sample ID: MB-39781
Sample wt/vol: 5.00 (g/mL) G
Lab File ID: V5K2605.D
Level: (TRACE or LOW/MED) LOW
Date Received:
% Moisture: not dec.
Date Analyzed: 11/03/2008
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
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKT5

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: VHBLKT5

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V5K2606.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/03/2008

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	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKT5

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: VHBLKT5

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V5K2606.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/03/2008

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
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKT5

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: VHBLKT5

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V5K2606.D

Level: (TRACE or LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 11/03/2008

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
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKT6

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: VHBLKT6

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V6G2123.D

Level: (TRACE/LOW/MED) MED

Date Received:

% Moisture: not dec.

Date Analyzed: 11/03/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-71-8	Dichlorodifluoromethane	250	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl chloride	250	U
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
75-69-4	Trichlorofluoromethane	250	U
75-35-4	1,1-Dichloroethene	250	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	250	U
67-64-1	Acetone	500	U
75-15-0	Carbon disulfide	250	U
79-20-9	Methyl acetate	250	U
75-09-2	Methylene chloride	250	U
156-60-5	trans-1,2-Dichloroethene	250	U
1634-04-4	Methyl tert-butyl ether	250	U
75-34-3	1,1-Dichloroethane	250	U
156-59-2	cis-1,2-Dichloroethene	250	U
78-93-3	2-Butanone	500	U
74-97-5	Bromochloromethane	250	U
67-66-3	Chloroform	250	U
71-55-6	1,1,1-Trichloroethane	250	U
110-82-7	Cyclohexane	250	U
56-23-5	Carbon tetrachloride	250	U
71-43-2	Benzene	250	U
107-06-2	1,2-Dichloroethane	250	U
123-91-1	1,4-Dioxane	5000	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLKT6

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: VHBLKT6

Sample wt/vol: 5.00 (g/mL) G

Lab File ID: V6G2123.D

Level: (TRACE/LOW/MED) MED

Date Received:

% Moisture: not dec.

Date Analyzed: 11/03/2008

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

Dilution Factor: 1.0

Soil Extract Volume: 5000 (uL)

Soil Aliquot Volume: 100.00 (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
79-01-6	Trichloroethene	250	U
108-87-2	Methylcyclohexane	250	U
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-pentanone	500	U
108-88-3	Toluene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	500	U
124-48-1	Dibromochloromethane	250	U
106-93-4	1,2-Dibromoethane	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
179601-23-1	m,p-Xylene	250	U
95-47-6	o-Xylene	250	U
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U
98-82-8	Isopropylbenzene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	250	U
95-50-1	1,2-Dichlorobenzene	250	U
96-12-8	1,2-Dibromo-3-chloropropane	250	U
120-82-1	1,2,4-Trichlorobenzene	250	U
87-61-6	1,2,3-Trichlorobenzene	250	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VHBLKT6

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: VHBLKT6

Sample wt/vol: 5.00 (g/mL) G Lab File ID: V6G2123.D

Level: (TRACE or LOW/MED) MED Date Received:

% Moisture: not dec. Date Analyzed: 11/03/2008

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

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

2J - FORM II SV-3

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (PHL) #	SDMC2 (BCE) #	SDMC3 (2CP) #	SDMC4 (4MP) #	SDMC5 (NBZ) #	SDMC6 (2NP) #	SDMC7 (DCP) #	SDMC8 (4CA) #
01	E2259	57	53	39	43	49	42	48	26
02	E2259MS	66	62	40	50	56	51	50	31
03	E2259MSD	80	77	45	33	56	55	54	21
04	E2260	67	55	40	42	54	45	48	29
05	E2261	92	73	53	46	61	58	55	34
06	SBLK2T	92	86	62	46	74	68	65	41
07	E2262	84	74	50	36	71	67	61	25
08	E2263	81	70	48	53	60	64	62	36
09	E2264	74	63	46	51	61	56	60	38
10	E2265	62	61	45	41	55	50	53	27
11	E2266	82	67	55	37	65	58	57	32

			QC LIMITS
SDMC1	(PHL)	= Phenol-d5	(17-103)
SDMC2	(BCE)	= Bis(2-chloroethyl)ether-d8	(12-98)
SDMC3	(2CP)	= 2-Chlorophenol-d4	(13-101)
SDMC4	(4MP)	= 4-Methylphenol-d8	(8-100)
SDMC5	(NBZ)	= Nitrobenzene-d5	(16-103)
SDMC6	(2NP)	= 2-Nitrophenol-d4	(16-104)
SDMC7	(DCP)	= 2,4-Dichlorophenol-d3	(23-104)
SDMC8	(4CA)	= 4-Chloroaniline-d4	(1-145)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

2K - FORM II SV-4

SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC9 (DMP) #	SDMC10 (ACY) #	SDMC11 (4NP) #	SDMC12 (FLR) #	SDMC13 (NMP) #	SDMC14 (ANC) #	SDMC15 (PYR) #	SDMC16 (BAP) #	TOT OUT
01	E2259	56	44	54	45	60	55	67	66	0
02	E2259MS	69	54	70	57	67	62	83	74	0
03	E2259MSD	70	58	74	62	69	58	77	66	0
04	E2260	59	47	60	49	58	57	71	65	0
05	E2261	68	53	69	55	66	60	76	71	0
06	SBLK2T	77	68	77	67	75	74	84	82	0
07	E2262	75	68	75	64	76	67	77	73	0
08	E2263	73	65	78	64	73	68	82	72	0
09	E2264	70	57	70	59	72	64	77	76	0
10	E2265	64	53	62	52	62	56	76	70	0
11	E2266	77	68	70	63	68	68	96	78	0

			QC LIMITS
SDMC9	(DMP)	= Dimethylphthalate-d6	(43-111)
SDMC10	(ACY)	= Acenaphthylene-d8	(20-97)
SDMC11	(4NP)	= 4-Nitrophenol-d4	(16-166)
SDMC12	(FLR)	= Fluorene-d10	(40-108)
SDMC13	(NMP)	= 4,6-Dinitro-2-methylphenol-d2	(1-121)
SDMC14	(ANC)	= Anthracene-d10	(22-98)
SDMC15	(PYR)	= Pyrene-d10	(51-120)
SDMC16	(BAP)	= Benzo(a)pyrene-d12	(43-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

SOM01.2 (6/2007)

3D - FORM III SV-2

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix Spike - EPA Sample No.: E2259

Instrument ID: S2 GC Column : DB-5MS ID: 0.25 (mm)

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS %REC	#	QC. LIMITS REC.
Phenol	1582.0278	0.0000	910.6870	58		26-90
2-Chlorophenol	1582.0278	0.0000	725.1996	46		25-102
N-Nitroso-di-n-propylamine	1582.0278	0.0000	1041.0391	66		41-126
4-Chloro-3-methylphenol	1582.0278	0.0000	1150.2151	73		26-103
Acenaphthene	1582.0278	0.0000	957.0839	60		31-137
4-Nitrophenol	1582.0278	0.0000	1297.3223	82		11-114
2,4-Dinitrotoluene	1582.0278	0.0000	951.3172	60		28-89
Pentachlorophenol	1582.0278	0.0000	1202.3210	76		17-109
Pyrene	1582.0278	0.0000	832.8970	53		35-142

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	1582.0278	977.7634	62		7		35	26-90
2-Chlorophenol	1582.0278	784.3894	50		8		50	25-102
N-Nitroso-di-n-propylamine	1582.0278	1176.5321	74		12		38	41-126
4-Chloro-3-methylphenol	1582.0278	930.0255	59		21		33	26-103
Acenaphthene	1582.0278	923.6999	58		4		19	31-137
4-Nitrophenol	1582.0278	1150.9075	73		12		50	11-114
2,4-Dinitrotoluene	1582.0278	949.3201	60		0		47	28-89
Pentachlorophenol	1582.0278	1051.5009	66		13		47	17-109
Pyrene	1582.0278	799.5372	51		4		36	35-142

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

* Values outside of QC limits

RPD: 0 out of 9 outside limits

Spike Recovery: 0 out of 18 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK2T

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Lab File ID: S2G0067.D

Lab Sample ID: MB-39719

Instrument ID: S2

Date Extracted: 10/31/2008

Matrix: (SOIL/SED/WATER) SOIL

Date Analyzed: 11/10/2008

Level: (LOW/MED) LOW

Time Analyzed: 14:51

Extraction: (Type) SONC

GPC Cleanup: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2259	G1911-01A	S2G0062.D	11/10/2008
02	E2259MS	G1911-01AMS	S2G0063.D	11/10/2008
03	E2259MSD	G1911-01AMSD	S2G0064.D	11/10/2008
04	E2260	G1911-02A	S2G0065.D	11/10/2008
05	E2261	G1911-03A	S2G0066.D	11/10/2008
06	E2262	G1911-04A	S2G0068.D	11/10/2008
07	E2263	G1911-05A	S2G0069.D	11/10/2008
08	E2264	G1911-06A	S2G0070.D	11/10/2008
09	E2265	G1911-07A	S2G0071.D	11/10/2008
10	E2266	G1911-08A	S2G0092A.D	11/11/2008

COMMENTS:

SOM01.2 (6/2007)

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 10/30/2008 10/30/2008

EPA Sample No.(SSTD020##): SSTD0202G Date Analyzed: 11/10/2008

Lab File ID (Standard): S2G0061A.D Time Analyzed: 11:09

Instrument ID: S2

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	50053	5.791	129905	8.035	92711	11.31
	UPPER LIMIT	100106	6.291	259810	8.535	185422	11.81
	LOWER LIMIT	25027	5.291	64953	7.535	46356	10.81
	EPA SAMPLE NO.						
01	E2259	59100	5.789	159502	8.034	124973	11.309
02	E2259MS	59529	5.789	151291	8.034	112122	11.309
03	E2259MSD	55555	5.790	145707	8.034	103546	11.309
04	E2260	67494	5.792	182962	8.036	132248	11.311
05	E2261	66366	5.800	191611	8.034	148881	11.309
06	SBLK2T	59498	5.799	162570	8.033	118493	11.308
07	E2262	67227	5.799	175494	8.033	125258	11.308
08	E2263	65339	5.789	170931	8.034	132621	11.309
09	E2264	68924	5.788	178568	8.032	131393	11.307
10	E2265	58868	5.788	159212	8.022	118478	11.308

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 10/30/2008 10/30/2008

EPA Sample No.(SSTD020##): SSTD0202G Date Analyzed: 11/10/2008

Lab File ID (Standard): S2G0061A.D Time Analyzed: 11:09

Instrument ID: S2

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	188007	14.102	215392	18.548	154225	20.062
	UPPER LIMIT	376014	14.602	430784	19.048	308450	20.562
	LOWER LIMIT	94004	13.602	107696	18.048	77113	19.562
	EPA SAMPLE NO.						
01	E2259	229544	14.101	248199	18.546	184018	20.060
02	E2259MS	222760	14.101	228814	18.547	162440	20.061
03	E2259MSD	223385	14.101	210882	18.547	158563	20.061
04	E2260	258250	14.103	269261	18.549	195559	20.063
05	E2261	293327	14.101	306247	18.547	219222	20.061
06	SBLK2T	237284	14.100	263406	18.546	196175	20.060
07	E2262	255733	14.100	274672	18.546	204946	20.060
08	E2263	272922	14.090	311100	18.546	231707	20.060
09	E2264	260678	14.089	287008	18.545	197734	20.059
10	E2265	238110	14.089	247862	18.535	173859	20.049

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 10/30/2008 10/30/2008

EPA Sample No.(SSTD020##): SSTD0202I Date Analyzed: 11/11/2008

Lab File ID (Standard): S2G0091.D Time Analyzed: 11:02

Instrument ID: S2

		IS1 (DCB)			IS2 (NPT)			IS3 (ANT)		
		AREA	#	RT	AREA	#	RT	AREA	#	RT
	12 HOUR STD	60567		5.717	147714		7.961	115988		11.236
	UPPER LIMIT	121134		6.217	295428		8.461	231976		11.736
	LOWER LIMIT	30284		5.217	73857		7.461	57994		10.736
	EPA SAMPLE NO.									
01	E2266	61420		5.725	185698		7.958	125187		11.233

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 10/30/2008 10/30/2008

EPA Sample No.(SSTD020##): SSTD0202I Date Analyzed: 11/11/2008

Lab File ID (Standard): S2G0091.D Time Analyzed: 11:02

Instrument ID: S2

		IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	242866	14.028	206452	18.495	132346	20.009
	UPPER LIMIT	485732	14.528	412904	18.995	264692	20.509
	LOWER LIMIT	121433	13.528	103226	17.995	66173	19.509
	EPA SAMPLE NO.						
01	E2266	250998	14.025	234869	18.492	152009	20.006

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S2G0062.D

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

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	200	U
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2´-Oxybis(1-chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	200	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1´-Biphenyl	200	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	200	U
99-09-2	3-Nitroaniline	390	U
83-32-9	Acenaphthene	200	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-01A

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S2G0062.D

Level: (LOW/MED) LOW

Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N

Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL)

Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00

Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.3

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	390	U
100-02-7	4-Nitrophenol	390	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	390	U
534-52-1	4,6-Dinitro-2-methylphenol	390	U
86-30-6	N-Nitrosodiphenylamine [1]	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	390	U
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butylphthalate	200	U
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	200	U
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	200	U
218-01-9	Chrysene	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	40	J
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo(b)fluoranthene	200	U
207-08-9	Benzo(k)fluoranthene	200	U
50-32-8	Benzo(a)pyrene	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	U
53-70-3	Dibenzo(a,h)anthracene	200	U
191-24-2	Benzo(g,h,i)perylene	200	U
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2259

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-01A

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: S2G0062.D

Level: (TRACE or LOW/MED) LOW

Extraction: (Type) SONC

% Moisture: 16

Decanted: (Y/N) N

Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL)

Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL)

GPC Factor: 2.00

Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y

pH: 7.3

Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	5.714	84	J
02		Unknown-02	7.819	720	J
03		Unknown-03	16.968	91	J
04		Unknown-04	18.020	230	J
05		Unknown-05	18.052	580	J
06		Unknown-06	19.599	220	J
07		Unknown-07	20.565	98	J
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MS

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01AMS

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S2G0063.D

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

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	200	U
108-95-2	Phenol	910	
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	730	
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-Oxybis(1-chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	1000	
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	1200	
91-57-6	2-Methylnaphthalene	200	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1'-Biphenyl	200	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	200	U
99-09-2	3-Nitroaniline	390	U
83-32-9	Acenaphthene	960	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MS

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-01AMS

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2G0063.D

Level: (LOW/MED) LOW

Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N

Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL)

Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00

Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.3

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	390	U
100-02-7	4-Nitrophenol	1300	
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	950	
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	390	U
534-52-1	4,6-Dinitro-2-methylphenol	390	U
86-30-6	N-Nitrosodiphenylamine [1]	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	1200	
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butylphthalate	200	U
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	830	
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	200	U
218-01-9	Chrysene	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	50	J
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo(b)fluoranthene	200	U
207-08-9	Benzo(k)fluoranthene	200	U
50-32-8	Benzo(a)pyrene	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	U
53-70-3	Dibenzo(a,h)anthracene	200	U
191-24-2	Benzo(g,h,i)perylene	200	U
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

(1) Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MSD

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-01AMSD

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2G0064.D

Level: (LOW/MED) LOW

Extraction: (Type) SONC

% Moisture: 16 Decanted: (Y/N) N

Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL)

Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00

Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.3

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	200	U
108-95-2	Phenol	980	
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	780	
95-48-7	2-Methylphenol	200	U
108-60-1	2,2´-Oxybis(1-chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	1200	
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	930	
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	200	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1´-Biphenyl	200	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	390	U
99-09-2	3-Nitroaniline	920	
83-32-9	Acenaphthene		

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MSD

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01AMSD

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S2G0064.D

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

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	390	U
100-02-7	4-Nitrophenol	1200	
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	950	
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	390	U
534-52-1	4,6-Dinitro-2-methylphenol	390	U
86-30-6	N-Nitrosodiphenylamine [1]	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	1100	
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butylphthalate	200	U
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	800	
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	200	U
218-01-9	Chrysene	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	42	J
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo(b)fluoranthene	200	U
207-08-9	Benzo(k)fluoranthene	200	U
50-32-8	Benzo(a)pyrene	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	U
53-70-3	Dibenzo(a,h)anthracene	200	U
191-24-2	Benzo(g,h,i)perylene	200	U
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

(1) Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2260

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-02A

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S2G0065.D

Level: (LOW/MED) LOW

Extraction: (Type) SONC

% Moisture: 11

Decanted: (Y/N) N

Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL)

Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL)

GPC Factor: 2.00

Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y

pH: 7.7

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl)ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	190	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	360	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	360	U
83-32-9	Acenaphthene	190	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2260

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-02A

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: S2G0065.D

Level: (LOW/MED) LOW

Extraction: (Type) SONC

% Moisture: 11 Decanted: (Y/N) N

Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL)

Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00

Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.7

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	360	U
100-02-7	4-Nitrophenol	360	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	360	U
534-52-1	4,6-Dinitro-2-methylphenol	360	U
86-30-6	N-Nitrosodiphenylamine [1]	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	360	U
85-01-8	Phenanthrene	190	U
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	190	U
206-44-0	Fluoranthene	190	U
129-00-0	Pyrene	190	U
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo(a)anthracene	190	U
218-01-9	Chrysene	190	U
117-81-7	Bis(2-ethylhexyl)phthalate	42	J
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo(b)fluoranthene	190	U
207-08-9	Benzo(k)fluoranthene	190	U
50-32-8	Benzo(a)pyrene	190	U
193-39-5	Indeno(1,2,3-cd)pyrene	190	U
53-70-3	Dibenzo(a,h)anthracene	190	U
191-24-2	Benzo(g,h,i)perylene	190	U
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

(1) Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.
E2260

Lab Name: MITKEM LABORATORIES
Contract: EP-W-05-030
Lab Code: MITKEM
Case No.: 37971
Mod. Ref No.:
SDG No.: E2259
Matrix: (SOIL/SED/WATER) SOIL
Lab Sample ID: G1911-02A
Sample wt/vol: 30.5 (g/mL) G
Lab File ID: S2G0065.D
Level: (TRACE or LOW/MED) LOW
Extraction: (Type) SONC
% Moisture: 11
Decanted: (Y/N) N
Date Received: 10/24/2008
Concentrated Extract Volume: 500 (uL)
Date Extracted: 10/31/2008
Injection Volume: 2.0 (uL)
GPC Factor: 2.00
Date Analyzed: 11/10/2008
GPC Cleanup: (Y/N) Y
pH: 7.7
Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	5.716	100	J
02		Unknown-02	12.439	78	J
03		Unknown-03	13.373	190	J
04		Unknown-04	14.704	77	J
05		Unknown-05	15.037	90	J
06		Unknown-06	15.821	75	J
07		Unknown-07	16.573	77	J
08		Unknown-08	16.959	99	J
09		Unknown-09	17.067	92	J
10		Unknown-10	18.022	420	J
11		Unknown-11	18.055	680	J
12		Unknown-12	19.601	320	J
13		Unknown-13	19.708	160	J
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2261

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-03A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S2G0066.D

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	210	U
108-95-2	Phenol	210	U
111-44-4	Bis(2-chloroethyl)ether	210	U
95-57-8	2-Chlorophenol	210	U
95-48-7	2-Methylphenol	210	U
108-60-1	2,2'-Oxybis(1-chloropropane)	210	U
98-86-2	Acetophenone	210	U
106-44-5	4-Methylphenol	210	U
621-64-7	N-Nitroso-di-n-propylamine	210	U
67-72-1	Hexachloroethane	210	U
98-95-3	Nitrobenzene	210	U
78-59-1	Isophorone	210	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	210	U
111-91-1	Bis(2-chloroethoxy)methane	210	U
120-83-2	2,4-Dichlorophenol	210	U
91-20-3	Naphthalene	210	U
106-47-8	4-Chloroaniline	210	U
87-68-3	Hexachlorobutadiene	210	U
105-60-2	Caprolactam	210	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	210	U
77-47-4	Hexachlorocyclopentadiene	210	U
88-06-2	2,4,6-Trichlorophenol	210	U
95-95-4	2,4,5-Trichlorophenol	210	U
92-52-4	1,1'-Biphenyl	210	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	410	U
131-11-3	Dimethylphthalate	210	U
606-20-2	2,6-Dinitrotoluene	210	U
208-96-8	Acenaphthylene	210	U
99-09-2	3-Nitroaniline	410	U
83-32-9	Acenaphthene	210	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2261

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-03A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S2G0066.D

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	410	U
100-02-7	4-Nitrophenol	410	U
132-64-9	Dibenzofuran	210	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	210	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	410	U
534-52-1	4,6-Dinitro-2-methylphenol	410	U
86-30-6	N-Nitrosodiphenylamine [1]	210	U
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	210	U
1912-24-9	Atrazine	210	U
87-86-5	Pentachlorophenol	410	U
85-01-8	Phenanthrene	210	U
120-12-7	Anthracene	210	U
86-74-8	Carbazole	210	U
84-74-2	Di-n-butylphthalate	210	U
206-44-0	Fluoranthene	210	U
129-00-0	Pyrene	210	U
85-68-7	Butylbenzylphthalate	210	U
91-94-1	3,3'-Dichlorobenzidine	210	U
56-55-3	Benzo(a)anthracene	210	U
218-01-9	Chrysene	210	U
117-81-7	Bis(2-ethylhexyl)phthalate	46	J
117-84-0	Di-n-octylphthalate	210	U
205-99-2	Benzo(b)fluoranthene	210	U
207-08-9	Benzo(k)fluoranthene	210	U
50-32-8	Benzo(a)pyrene	210	U
193-39-5	Indeno(1,2,3-cd)pyrene	210	U
53-70-3	Dibenzo(a,h)anthracene	210	U
191-24-2	Benzo(g,h,i)perylene	210	U
58-90-2	2,3,4,6-Tetrachlorophenol	210	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2261

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-03A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S2G0066.D

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.6 Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	4.737	87	J
02		Unknown-02	4.834	93	J
03		Unknown-03	5.725	140	J
04		Unknown-04	9.355	98	J
05		Unknown-05	13.371	110	J
06		Unknown-06	18.020	190	J
07		Unknown-07	18.053	520	J
08		Unknown-08	19.599	320	J
09		Unknown-09	20.555	110	J
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2262

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-04A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S2G0068.D

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 8.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	210	U
108-95-2	Phenol	210	U
111-44-4	Bis(2-chloroethyl)ether	210	U
95-57-8	2-Chlorophenol	210	U
95-48-7	2-Methylphenol	210	U
108-60-1	2,2'-Oxybis(1-chloropropane)	210	U
98-86-2	Acetophenone	210	U
106-44-5	4-Methylphenol	210	U
621-64-7	N-Nitroso-di-n-propylamine	210	U
67-72-1	Hexachloroethane	210	U
98-95-3	Nitrobenzene	210	U
78-59-1	Isophorone	210	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	210	U
111-91-1	Bis(2-chloroethoxy)methane	210	U
120-83-2	2,4-Dichlorophenol	210	U
91-20-3	Naphthalene	210	U
106-47-8	4-Chloroaniline	210	U
87-68-3	Hexachlorobutadiene	210	U
105-60-2	Caprolactam	210	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	210	U
77-47-4	Hexachlorocyclopentadiene	210	U
88-06-2	2,4,6-Trichlorophenol	210	U
95-95-4	2,4,5-Trichlorophenol	210	U
92-52-4	1,1'-Biphenyl	210	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	410	U
131-11-3	Dimethylphthalate	210	U
606-20-2	2,6-Dinitrotoluene	210	U
208-96-8	Acenaphthylene	210	U
99-09-2	3-Nitroaniline	410	U
83-32-9	Acenaphthene	210	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2262

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-04A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S2G0068.D

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 8.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	410	U
100-02-7	4-Nitrophenol	410	U
132-64-9	Dibenzofuran	210	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	210	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	410	U
534-52-1	4,6-Dinitro-2-methylphenol	410	U
86-30-6	N-Nitrosodiphenylamine 1	210	U
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	210	U
1912-24-9	Atrazine	210	U
87-86-5	Pentachlorophenol	410	U
85-01-8	Phenanthrene	210	U
120-12-7	Anthracene	210	U
86-74-8	Carbazole	210	U
84-74-2	Di-n-butylphthalate	210	U
206-44-0	Fluoranthene	210	U
129-00-0	Pyrene	210	U
85-68-7	Butylbenzylphthalate	210	U
91-94-1	3,3'-Dichlorobenzidine	210	U
56-55-3	Benzo(a)anthracene	210	U
218-01-9	Chrysene	210	U
117-81-7	Bis(2-ethylhexyl)phthalate	44	J
117-84-0	Di-n-octylphthalate	210	U
205-99-2	Benzo(b)fluoranthene	210	U
207-08-9	Benzo(k)fluoranthene	210	U
50-32-8	Benzo(a)pyrene	210	U
193-39-5	Indeno(1,2,3-cd)pyrene	210	U
53-70-3	Dibenzo(a,h)anthracene	210	U
191-24-2	Benzo(g,h,i)perylene	210	U
58-90-2	2,3,4,6-Tetrachlorophenol	210	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2262

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-04A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: S2G0068.D

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 8.3 Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	4.726	100	J
02		Unknown-02	5.713	130	J
03		Unknown-03	9.343	110	J
04		Unknown-04	16.956	95	J
05		Unknown-05	17.064	91	J
06		Unknown-06	18.030	710	J
07		Unknown-07	18.052	1000	J
08		Unknown-08	19.598	530	J
09		Unknown-09	19.652	130	J
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2263

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-05A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S2G0069.D

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

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 8.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	220	U
108-95-2	Phenol	220	U
111-44-4	Bis(2-chloroethyl)ether	220	U
95-57-8	2-Chlorophenol	220	U
95-48-7	2-Methylphenol	220	U
108-60-1	2,2'-Oxybis(1-chloropropane)	220	U
98-86-2	Acetophenone	220	U
106-44-5	4-Methylphenol	220	U
621-64-7	N-Nitroso-di-n-propylamine	220	U
67-72-1	Hexachloroethane	220	U
98-95-3	Nitrobenzene	220	U
78-59-1	Isophorone	220	U
88-75-5	2-Nitrophenol	220	U
105-67-9	2,4-Dimethylphenol	220	U
111-91-1	Bis(2-chloroethoxy)methane	220	U
120-83-2	2,4-Dichlorophenol	220	U
91-20-3	Naphthalene	220	U
106-47-8	4-Chloroaniline	220	U
87-68-3	Hexachlorobutadiene	220	U
105-60-2	Caprolactam	220	U
59-50-7	4-Chloro-3-methylphenol	220	U
91-57-6	2-Methylnaphthalene	220	U
77-47-4	Hexachlorocyclopentadiene	220	U
88-06-2	2,4,6-Trichlorophenol	220	U
95-95-4	2,4,5-Trichlorophenol	220	U
92-52-4	1,1'-Biphenyl	220	U
91-58-7	2-Chloronaphthalene	220	U
88-74-4	2-Nitroaniline	420	U
131-11-3	Dimethylphthalate	220	U
606-20-2	2,6-Dinitrotoluene	220	U
208-96-8	Acenaphthylene	220	U
99-09-2	3-Nitroaniline	420	U
83-32-9	Acenaphthene	220	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2263

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-05A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S2G0069.D

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

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 8.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	420	U
100-02-7	4-Nitrophenol	420	U
132-64-9	Dibenzofuran	220	U
121-14-2	2,4-Dinitrotoluene	220	U
84-66-2	Diethylphthalate	220	U
86-73-7	Fluorene	220	U
7005-72-3	4-Chlorophenyl-phenylether	220	U
100-01-6	4-Nitroaniline	420	U
534-52-1	4,6-Dinitro-2-methylphenol	420	U
86-30-6	N-Nitrosodiphenylamine 1	220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	220	U
101-55-3	4-Bromophenyl-phenylether	220	U
118-74-1	Hexachlorobenzene	220	U
1912-24-9	Atrazine	220	U
87-86-5	Pentachlorophenol	420	U
85-01-8	Phenanthrene	220	U
120-12-7	Anthracene	220	U
86-74-8	Carbazole	220	U
84-74-2	Di-n-butylphthalate	220	U
206-44-0	Fluoranthene	220	U
129-00-0	Pyrene	220	U
85-68-7	Butylbenzylphthalate	220	U
91-94-1	3,3'-Dichlorobenzidine	220	U
56-55-3	Benzo(a)anthracene	220	U
218-01-9	Chrysene	220	U
117-81-7	Bis(2-ethylhexyl)phthalate	46	J
117-84-0	Di-n-octylphthalate	220	U
205-99-2	Benzo(b)fluoranthene	220	U
207-08-9	Benzo(k)fluoranthene	220	U
50-32-8	Benzo(a)pyrene	220	U
193-39-5	Indeno(1,2,3-cd)pyrene	220	U
53-70-3	Dibenzo(a,h)anthracene	220	U
191-24-2	Benzo(g,h,i)perylene	220	U
58-90-2	2,3,4,6-Tetrachlorophenol	220	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2263

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-05A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: S2G0069.D

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

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 8.4 Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	4.833	110	J
02		Unknown-02	5.714	120	J
03		Unknown-03	16.957	86	J
04		Unknown-04	18.020	660	J
05		Unknown-05	18.052	970	J
06		Unknown-06	19.599	520	J
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2264

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-06A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S2G0070.D

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

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	200	U
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-Oxybis(1-chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	200	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1'-Biphenyl	200	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	200	U
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	200	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2264

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-06A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S2G0070.D

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

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	380	U
86-30-6	N-Nitrosodiphenylamine [1]	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butylphthalate	200	U
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	200	U
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	200	U
218-01-9	Chrysene	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	33	J
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo(b)fluoranthene	200	U
207-08-9	Benzo(k)fluoranthene	200	U
50-32-8	Benzo(a)pyrene	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	U
53-70-3	Dibenzo(a,h)anthracene	200	U
191-24-2	Benzo(g,h,i)perylene	200	U
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2264

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-06A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: S2G0070.D

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

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.8 Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	4.725	86	J
02		Unknown-02	4.822	81	J
03		Unknown-03	5.713	140	J
04		Unknown-04	9.342	88	J
05		Unknown-05	13.348	110	J
06		Unknown-06	15.034	87	J
07		Unknown-07	18.019	270	J
08		Unknown-08	18.051	610	J
09		Unknown-09	19.597	270	J
10		Unknown-10	19.640	99	J
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2265

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-07A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S2G0071.D

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

% Moisture: 13 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	190	U
108-95-2	Phenol	190	U
111-44-4	Bis(2-chloroethyl)ether	190	U
95-57-8	2-Chlorophenol	190	U
95-48-7	2-Methylphenol	190	U
108-60-1	2,2'-Oxybis(1-chloropropane)	190	U
98-86-2	Acetophenone	190	U
106-44-5	4-Methylphenol	190	U
621-64-7	N-Nitroso-di-n-propylamine	190	U
67-72-1	Hexachloroethane	190	U
98-95-3	Nitrobenzene	190	U
78-59-1	Isophorone	190	U
88-75-5	2-Nitrophenol	190	U
105-67-9	2,4-Dimethylphenol	190	U
111-91-1	Bis(2-chloroethoxy)methane	190	U
120-83-2	2,4-Dichlorophenol	190	U
91-20-3	Naphthalene	190	U
106-47-8	4-Chloroaniline	190	U
87-68-3	Hexachlorobutadiene	190	U
105-60-2	Caprolactam	190	U
59-50-7	4-Chloro-3-methylphenol	190	U
91-57-6	2-Methylnaphthalene	190	U
77-47-4	Hexachlorocyclopentadiene	190	U
88-06-2	2,4,6-Trichlorophenol	190	U
95-95-4	2,4,5-Trichlorophenol	190	U
92-52-4	1,1'-Biphenyl	190	U
91-58-7	2-Chloronaphthalene	190	U
88-74-4	2-Nitroaniline	380	U
131-11-3	Dimethylphthalate	190	U
606-20-2	2,6-Dinitrotoluene	190	U
208-96-8	Acenaphthylene	190	U
99-09-2	3-Nitroaniline	380	U
83-32-9	Acenaphthene	190	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2265

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-07A

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: S2G0071.D

Level: (LOW/MED) LOW

Extraction: (Type) SONC

% Moisture: 13 Decanted: (Y/N) N

Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL)

Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00

Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.8

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	380	U
100-02-7	4-Nitrophenol	380	U
132-64-9	Dibenzofuran	190	U
121-14-2	2,4-Dinitrotoluene	190	U
84-66-2	Diethylphthalate	190	U
86-73-7	Fluorene	190	U
7005-72-3	4-Chlorophenyl-phenylether	190	U
100-01-6	4-Nitroaniline	380	U
534-52-1	4,6-Dinitro-2-methylphenol	380	U
86-30-6	N-Nitrosodiphenylamine [1]	190	U
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U
101-55-3	4-Bromophenyl-phenylether	190	U
118-74-1	Hexachlorobenzene	190	U
1912-24-9	Atrazine	190	U
87-86-5	Pentachlorophenol	380	U
85-01-8	Phenanthrene	190	U
120-12-7	Anthracene	190	U
86-74-8	Carbazole	190	U
84-74-2	Di-n-butylphthalate	190	U
206-44-0	Fluoranthene	190	U
129-00-0	Pyrene	190	U
85-68-7	Butylbenzylphthalate	190	U
91-94-1	3,3'-Dichlorobenzidine	190	U
56-55-3	Benzo(a)anthracene	190	U
218-01-9	Chrysene	190	U
117-81-7	Bis(2-ethylhexyl)phthalate	38	J
117-84-0	Di-n-octylphthalate	190	U
205-99-2	Benzo(b)fluoranthene	190	U
207-08-9	Benzo(k)fluoranthene	190	U
50-32-8	Benzo(a)pyrene	190	U
193-39-5	Indeno(1,2,3-cd)pyrene	190	U
53-70-3	Dibenzo(a,h)anthracene	190	U
191-24-2	Benzo(g,h,i)perylene	190	U
58-90-2	2,3,4,6-Tetrachlorophenol	190	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2265

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-07A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: S2G0071.D

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

% Moisture: 13 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y pH: 7.8 Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	4.715	79	J
02		Unknown-02	5.713	110	J
03		Unknown-03	13.370	110	J
04		Unknown-04	16.956	120	J
05		Unknown-05	17.053	94	J
06		Unknown-06	18.019	400	J
07		Unknown-07	18.052	870	J
08		Unknown-08	19.587	370	J
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2266

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-08A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S2G0092A.D

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/11/2008

GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	210	U
108-95-2	Phenol	210	U
111-44-4	Bis(2-chloroethyl)ether	210	U
95-57-8	2-Chlorophenol	210	U
95-48-7	2-Methylphenol	210	U
108-60-1	2,2'-Oxybis(1-chloropropane)	210	U
98-86-2	Acetophenone	210	U
106-44-5	4-Methylphenol	210	U
621-64-7	N-Nitroso-di-n-propylamine	210	U
67-72-1	Hexachloroethane	210	U
98-95-3	Nitrobenzene	210	U
78-59-1	Isophorone	210	U
88-75-5	2-Nitrophenol	210	U
105-67-9	2,4-Dimethylphenol	210	U
111-91-1	Bis(2-chloroethoxy)methane	210	U
120-83-2	2,4-Dichlorophenol	210	U
91-20-3	Naphthalene	210	U
106-47-8	4-Chloroaniline	210	U
87-68-3	Hexachlorobutadiene	210	U
105-60-2	Caprolactam	210	U
59-50-7	4-Chloro-3-methylphenol	210	U
91-57-6	2-Methylnaphthalene	210	U
77-47-4	Hexachlorocyclopentadiene	210	U
88-06-2	2,4,6-Trichlorophenol	210	U
95-95-4	2,4,5-Trichlorophenol	210	U
92-52-4	1,1'-Biphenyl	210	U
91-58-7	2-Chloronaphthalene	210	U
88-74-4	2-Nitroaniline	410	U
131-11-3	Dimethylphthalate	210	U
606-20-2	2,6-Dinitrotoluene	210	U
208-96-8	Acenaphthylene	210	U
99-09-2	3-Nitroaniline	410	U
83-32-9	Acenaphthene	210	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2266

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-08A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S2G0092A.D

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/11/2008

GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	410	U
100-02-7	4-Nitrophenol	410	U
132-64-9	Dibenzofuran	210	U
121-14-2	2,4-Dinitrotoluene	210	U
84-66-2	Diethylphthalate	210	U
86-73-7	Fluorene	210	U
7005-72-3	4-Chlorophenyl-phenylether	210	U
100-01-6	4-Nitroaniline	410	U
534-52-1	4,6-Dinitro-2-methylphenol	410	U
86-30-6	N-Nitrosodiphenylamine [1]	210	U
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U
101-55-3	4-Bromophenyl-phenylether	210	U
118-74-1	Hexachlorobenzene	210	U
1912-24-9	Atrazine	210	U
87-86-5	Pentachlorophenol	410	U
85-01-8	Phenanthrene	210	U
120-12-7	Anthracene	210	U
86-74-8	Carbazole	210	U
84-74-2	Di-n-butylphthalate	210	U
206-44-0	Fluoranthene	210	U
129-00-0	Pyrene	210	U
85-68-7	Butylbenzylphthalate	210	U
91-94-1	3,3'-Dichlorobenzidine	210	U
56-55-3	Benzo(a)anthracene	210	U
218-01-9	Chrysene	210	U
117-81-7	Bis(2-ethylhexyl)phthalate	48	J
117-84-0	Di-n-octylphthalate	210	U
205-99-2	Benzo(b)fluoranthene	210	U
207-08-9	Benzo(k)fluoranthene	210	U
50-32-8	Benzo(a)pyrene	210	U
193-39-5	Indeno(1,2,3-cd)pyrene	210	U
53-70-3	Dibenzo(a,h)anthracene	210	U
191-24-2	Benzo(g,h,i)perylene	210	U
58-90-2	2,3,4,6-Tetrachlorophenol	210	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2266

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-08A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: S2G0092A.D

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

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/11/2008

GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	5.649	100	J
02		Unknown-02	9.279	160	J
03		Unknown-03	17.977	390	J
04		Unknown-04	18.009	780	J
05		Unknown-05	19.555	370	J
06		Unknown-06	19.609	130	J
07		Unknown-07	19.663	87	J
	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2T

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-39719

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S2G0067.D

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

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2´-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1´-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	170	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK2T

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-39719

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S2G0067.D

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

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	330	U
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine [1]	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo(a)anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	170	U
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo(b)fluoranthene	170	U
207-08-9	Benzo(k)fluoranthene	170	U
50-32-8	Benzo(a)pyrene	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	170	U
53-70-3	Dibenzo(a,h)anthracene	170	U
191-24-2	Benzo(g,h,i)perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK2T

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-39719

Sample wt/vol: 30.0 (g/mL) G Lab File ID: S2G0067.D

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

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 10/31/2008

Injection Volume: 2.0 (uL) GPC Factor: 2.00 Date Analyzed: 11/10/2008

GPC Cleanup: (Y/N) Y 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	4.736	79	J
02		Unknown-02	4.844	70	J
03		Unknown-03	5.724	78	J
04		Unknown-04	21.295	70	J
05		Unknown-05	21.499	100	J
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

2P - FORM II PEST-2

SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK4M	50	49	85	88			0
02	PLCS4M	44	44	83	85			0
03	E2259	39	40	77	78			0
04	E2259MS	32	33	65	63			0
05	E2259MSD	38	40	69	69			0
06	E2260	47	48	75	75			0
07	E2261	44	44	72	72			0
08	E2262	39	39	69	69			0
09	E2263	39	38	67	67			0
10	E2264	34	34	69	67			0
11	E2265	44	44	79	78			0
12	E2266	41	41	80	79			0

QC LIMITS

TCX = Tetrachloro-m-xylene (30-150)

DCB = Decachlorobiphenyl (30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SOM01.2 (6/2007)

3H - FORM III PEST-2

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix Spike - EPA Sample No.: E2259

Instrument ID: E4 GC Column : CLPPest ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS %REC	#	QC. LIMITS REC.
gamma-BHC (Lindane)	19.5806	0.0000	6.6051	34	*	46-127
Heptachlor	19.5806	0.0000	10.8710	56		35-130
Aldrin	19.5806	0.0000	10.1080	52		34-132
Dieldrin	39.1600	0.0000	24.6583	63		31-134
Endrin	39.1600	0.0000	28.5478	73		42-139
4,4´-DDT	39.1600	0.0000	26.9686	69		23-134

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	19.7103	7.7240	39	*	15		50	46-127
Heptachlor	19.7103	12.6644	64		15		31	35-130
Aldrin	19.7103	11.6588	59		14		43	34-132
Dieldrin	39.4193	26.5197	67		7		38	31-134
Endrin	39.4193	30.8161	78		7		45	42-139
4,4´-DDT	39.4193	28.9515	73		6		50	23-134

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

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 2 out of 12 outside limits

COMMENTS:

3H - FORM III PEST-2

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix Spike - EPA Sample No.: E2259

Instrument ID: E4 GC Column : CLPPestII ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS %REC	#	QC. LIMITS REC.
gamma-BHC (Lindane)	19.5806	0.0000	6.2908	32	*	46-127
Heptachlor	19.5806	0.0000	8.6131	44		35-130
Aldrin	19.5806	0.0000	8.4273	43		34-132
Dieldrin	39.1600	0.0000	23.5027	60		31-134
Endrin	39.1600	0.0000	26.4858	68		42-139
4,4´-DDT	39.1600	0.0000	25.7073	66		23-134

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	19.7103	7.3365	37	*	15		50	46-127
Heptachlor	19.7103	9.9972	51		14		31	35-130
Aldrin	19.7103	9.5429	48		12		43	34-132
Dieldrin	39.4193	25.9029	66		9		38	31-134
Endrin	39.4193	28.9284	73		8		45	42-139
4,4´-DDT	39.4193	27.8683	71		7		50	23-134

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

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 2 out of 12 outside limits

COMMENTS:

3M - FORM III PEST-3
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

PLCS4M

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Lab Sample ID: LCS-39718 LCS Lot No.: A033876

Date Extracted: 10/31/2008 Date Analyzed (1): 11/10/2008

Instrument ID (1): E4 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	1.6670	1.0229	61		50-120
Heptachlor epoxide	1.6670	1.1895	71		50-150
Dieldrin	3.3330	2.6746	80		30-130
4,4'-DDE	3.3330	2.8598	86		50-150
Endrin	3.3330	2.8972	87		50-120
Endosulfan sulfate	3.3330	2.8203	85		50-120
gamma-Chlordane	1.6670	1.3672	82		30-130

Instrument ID (2): E4 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/10/2008

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	1.6670	0.9837	59		50-120
Heptachlor epoxide	1.6670	1.0424	63		50-150
Dieldrin	3.3330	2.4246	73		30-130
4,4'-DDE	3.3330	2.2894	69		50-150
Endrin	3.3330	2.7046	81		50-120
Endosulfan sulfate	3.3330	2.6903	81		50-120
gamma-Chlordane	1.6670	1.1574	69		30-130

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

LCS Recovery: 0 out of 14 outside limits.

COMMENTS:

4E - FORM IV PEST

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK4M

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Lab File ID: E4E5891F.D / E4E5891R.D Lab Sample ID: MB-39718

Matrix: (SOIL/SED/WATER) SOIL Extraction: (Type) SONC Date Extracted: 10/31/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup:(Y/N) Y

Date Analyzed (1): 11/10/2008 Date Analyzed (2): 11/10/2008

Time Analyzed (1): 14:02 Time Analyzed (2): 14:02

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	PLCS4M	LCS-39718	11/10/2008	11/10/2008
02	E2259	G1911-01A	11/10/2008	11/10/2008
03	E2259MS	G1911-01AMS	11/10/2008	11/10/2008
04	E2259MSD	G1911-01AMSD	11/10/2008	11/10/2008
05	E2260	G1911-02A	11/10/2008	11/10/2008
06	E2261	G1911-03A	11/10/2008	11/10/2008
07	E2262	G1911-04A	11/10/2008	11/10/2008
08	E2263	G1911-05A	11/10/2008	11/10/2008
09	E2264	G1911-06A	11/10/2008	11/10/2008
10	E2265	G1911-07A	11/10/2008	11/10/2008
11	E2266	G1911-08A	11/10/2008	11/10/2008

COMMENTS:

SOM01.2 (6/2007)

8G - FORM VIII PEST

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: CLPPest ID: 0.53 (mm) Init. Calib. Date(s): 11/09/2008 11/09/2008

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.141 DCB: 8.494

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCY4	E4E5873F.D	11/9/2008	16:56	3.142	8.496
02	PEMY4	E4E5874F.D	11/9/2008	17:10	3.143	8.495
03	TOXAPH1Y4	E4E5875F.D	11/9/2008	17:24	3.143	8.496
04	TOXAPH2Y4	E4E5876F.D	11/9/2008	17:38	3.141	8.494
05	TOXAPH3Y4	E4E5877F.D	11/9/2008	17:53	3.143	8.495
06	TOXAPH4Y4	E4E5878F.D	11/9/2008	18:07	3.142	8.494
07	TOXAPH5Y4	E4E5879F.D	11/9/2008	18:21	3.141	8.493
08	INDC1Y4	E4E5880F.D	11/9/2008	18:36	3.143	8.495
09	INDC2Y4	E4E5881F.D	11/9/2008	18:50	3.140	8.495
10	INDC3Y4	E4E5882F.D	11/9/2008	19:04	3.141	8.494
11	INDC4Y4	E4E5883F.D	11/9/2008	19:18	3.140	8.493
12	INDC5Y4	E4E5884F.D	11/9/2008	19:32	3.141	8.494
13	PIBLKYA	E4E5885F.D	11/9/2008	19:47	3.143	8.497
14	PEMYA	E4E5886F.D	11/9/2008	20:01	3.144	8.494
15	PIBLKYB	E4E5888F.D	11/10/2008	13:03	3.153	8.512
16	PEMYB	E4E5889F.D	11/10/2008	13:17	3.147	8.499
17	ZZZZZ	E4E5890F.D	11/10/2008	13:48	3.155	8.510
18	PBLK4M	E4E5891F.D	11/10/2008	14:02	3.145	8.496
19	PLCS4M	E4E5892F.D	11/10/2008	14:16	3.143	8.493
20	ZZZZZ	E4E5893F.D	11/10/2008	14:31	*	*
21	ZZZZZ	E4E5894F.D	11/10/2008	14:45	*	*
22	ZZZZZ	E4E5895F.D	11/10/2008	14:59	3.143	8.492
23	E2259	E4E5896F.D	11/10/2008	15:14	3.144	8.491
24	E2259MS	E4E5897F.D	11/10/2008	15:28	3.145	8.489
25	E2259MSD	E4E5898F.D	11/10/2008	15:42	3.142	8.490
26	E2260	E4E5899F.D	11/10/2008	15:57	3.136	8.490
27	E2261	E4E5900F.D	11/10/2008	16:11	3.138	8.490

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)

DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

8G - FORM VIII PEST

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: CLPPest ID: 0.53 (mm) Init. Calib. Date(s): 11/09/2008 11/09/2008

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.141 DCB: 8.494

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
28	E2262	E4E5901F.D	11/10/2008	16:25	3.139	8.490
29	E2263	E4E5902F.D	11/10/2008	16:39	3.139	8.491
30	E2264	E4E5903F.D	11/10/2008	16:53	3.139	8.490
31	E2265	E4E5904F.D	11/10/2008	17:08	3.140	8.490
32	E2266	E4E5905F.D	11/10/2008	17:22	3.139	8.492
33	ZZZZZ	E4E5906F.D	11/10/2008	17:36	3.142	8.496
34	ZZZZZ	E4E5907F.D	11/10/2008	17:50	3.140	8.493
35	ZZZZZ	E4E5908F.D	11/10/2008	18:05	3.140	8.492
36	ZZZZZ	E4E5909F.D	11/10/2008	18:19	3.141	8.493
37	PIBLKYC	E4E5910F.D	11/10/2008	18:39	3.149	8.503
38	INDC3YC	E4E5912F.D	11/10/2008	19:08	3.145	8.499

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)

DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

8G - FORM VIII PEST

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: CLPPestII ID: 0.53 (mm) Init. Calib. Date(s): 11/09/2008 11/09/2008

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.719 DCB: 9.871

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCY4	E4E5873R.D	11/9/2008	16:56	3.721	9.872
02	PEMY4	E4E5874R.D	11/9/2008	17:10	3.720	9.872
03	TOXAPH1Y4	E4E5875R.D	11/9/2008	17:24	3.719	9.873
04	TOXAPH2Y4	E4E5876R.D	11/9/2008	17:38	3.720	9.872
05	TOXAPH3Y4	E4E5877R.D	11/9/2008	17:53	3.721	9.873
06	TOXAPH4Y4	E4E5878R.D	11/9/2008	18:07	3.720	9.871
07	TOXAPH5Y4	E4E5879R.D	11/9/2008	18:21	3.720	9.871
08	INDC1Y4	E4E5880R.D	11/9/2008	18:36	3.720	9.871
09	INDC2Y4	E4E5881R.D	11/9/2008	18:50	3.719	9.871
10	INDC3Y4	E4E5882R.D	11/9/2008	19:04	3.719	9.871
11	INDC4Y4	E4E5883R.D	11/9/2008	19:18	3.718	9.870
12	INDC5Y4	E4E5884R.D	11/9/2008	19:32	3.720	9.870
13	PIBLKYA	E4E5885R.D	11/9/2008	19:47	3.721	9.875
14	PEMYA	E4E5886R.D	11/9/2008	20:01	3.721	9.870
15	PIBLKYB	E4E5888R.D	11/10/2008	13:03	3.722	9.885
16	PEMYB	E4E5889R.D	11/10/2008	13:17	3.723	9.874
17	ZZZZZ	E4E5890R.D	11/10/2008	13:48	3.723	9.884
18	PBLK4M	E4E5891R.D	11/10/2008	14:02	3.722	9.872
19	PLCS4M	E4E5892R.D	11/10/2008	14:16	3.720	9.868
20	ZZZZZ	E4E5893R.D	11/10/2008	14:31	*	*
21	ZZZZZ	E4E5894R.D	11/10/2008	14:45	*	*
22	ZZZZZ	E4E5895R.D	11/10/2008	14:59	3.719	9.868
23	E2259	E4E5896R.D	11/10/2008	15:14	3.719	9.866
24	E2259MS	E4E5897R.D	11/10/2008	15:28	3.720	9.866
25	E2259MSD	E4E5898R.D	11/10/2008	15:42	3.717	9.866
26	E2260	E4E5899R.D	11/10/2008	15:57	3.716	9.867
27	E2261	E4E5900R.D	11/10/2008	16:11	3.717	9.867

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)

DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

8G - FORM VIII PEST

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: CLPPestII ID: 0.53 (mm) Init. Calib. Date(s): 11/09/2008 11/09/2008

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.719 DCB: 9.871

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
28	E2262	E4E5901R.D	11/10/2008	16:25	3.716	9.867
29	E2263	E4E5902R.D	11/10/2008	16:39	3.718	9.868
30	E2264	E4E5903R.D	11/10/2008	16:53	3.718	9.868
31	E2265	E4E5904R.D	11/10/2008	17:08	3.719	9.867
32	E2266	E4E5905R.D	11/10/2008	17:22	3.718	9.869
33	ZZZZZ	E4E5906R.D	11/10/2008	17:36	3.719	9.873
34	ZZZZZ	E4E5907R.D	11/10/2008	17:50	3.719	9.870
35	ZZZZZ	E4E5908R.D	11/10/2008	18:05	3.718	9.869
36	ZZZZZ	E4E5909R.D	11/10/2008	18:19	3.718	9.870
37	PIBLKYC	E4E5910R.D	11/10/2008	18:39	3.720	9.879
38	INDC3YC	E4E5912R.D	11/10/2008	19:08	3.720	9.877

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)

DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E4E5896F.D/E4E5896R.D

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	3.9	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MS(1)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01AMS

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E4E5897F.D

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	6.6	
76-44-8	Heptachlor	11	P 5
309-00-2	Aldrin	10	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	25	
72-55-9	4,4´-DDE	3.9	U
72-20-8	Endrin	29	
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4´-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4´-DDT	27	
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MS(2)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01AMS

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E4E5897R.D

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	6.3	
76-44-8	Heptachlor	8.6	P J
309-00-2	Aldrin	8.4	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	24	
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	26	
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	26	
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MSD(1)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01AMSD

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E4E5898F.D

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	7.7	
76-44-8	Heptachlor	13	P J
309-00-2	Aldrin	12	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	27	
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	31	
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	29	
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MSD(2)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01AMSD

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E4E5898R.D

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	7.3	
76-44-8	Heptachlor	10	P J
309-00-2	Aldrin	9.5	
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	26	
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	29	
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	28	
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.9	U
7421-93-4	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2260

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-02A

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: E4E5899F.D/E4E5899R.D

% Moisture: 11 Decanted: (Y/N) N

Date Received: 10/24/2008

Extraction: (Type) SONC

Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.7	U
72-55-9	4,4´-DDE	3.7	U
72-20-8	Endrin	3.7	U
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4´-DDD	3.7	U
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4´-DDT	3.7	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.7	U
7421-93-4	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2261

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-03A

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: E4E5900F.D/E4E5900R.D

% Moisture: 21 Decanted: (Y/N) N

Date Received: 10/24/2008

Extraction: (Type) SONC

Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4´-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4´-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4´-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2262

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-04A

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: E4E5901F.D/E4E5901R.D

% Moisture: 21 Decanted: (Y/N) N

Date Received: 10/24/2008

Extraction: (Type) SONC

Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4´-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4´-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4´-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2263

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-05A

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: E4E5902F.D/E4E5902R.D

% Moisture: 22 Decanted: (Y/N) N

Date Received: 10/24/2008

Extraction: (Type) SONC

Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.4

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4´-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4´-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4´-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-93-4	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2264

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-06A

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: E4E5903F.D/E4E5903R.D

% Moisture: 14 Decanted: (Y/N) N

Date Received: 10/24/2008

Extraction: (Type) SONC

Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2265

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-07A

Sample wt/vol: 30.1 (g/mL) G Lab File ID: E4E5904F.D/E4E5904R.D

% Moisture: 13 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4´-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4´-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4´-DDT	3.8	U
72-43-5	Methoxychlor	19	U
53494-70-5	Endrin ketone	3.8	U
7421-93-4	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190	U

0604

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2266

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-08A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E4E5905F.D/E4E5905R.D

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4´-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4´-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4´-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-93-4	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.1	U
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK4M

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: MB-39718

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

Lab File ID: E4E5891F.D/E4E5891R.D

% Moisture: Decanted: (Y/N)

Date Received:

Extraction: (Type) SONC

Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4´-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4´-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4´-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS4M(1)

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: LCS-39718

Sample wt/vol: 30 (g/mL) G

Lab File ID: E4E5892F.D

% Moisture: Decanted: (Y/N)

Date Received:

Extraction: (Type) SONC

Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.0	J
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.2	J
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	2.7	J
72-55-9	4,4´-DDE	2.9	J
72-20-8	Endrin	2.9	J
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4´-DDD	3.3	U
1031-07-8	Endosulfan sulfate	2.8	J
50-29-3	4,4´-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.4	J
8001-35-2	Toxaphene	170	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS4M(2)

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: LCS-39718

Sample wt/vol: 30 (g/mL) G

Lab File ID: E4E5892R.D

% Moisture: Decanted: (Y/N)

Date Received:

Extraction: (Type) SONC

Date Extracted: 10/31/2008

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 2.00

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	0.98	J
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.0	J
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	2.4	J
72-55-9	4,4´-DDE	2.3	J
72-20-8	Endrin	2.7	J
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4´-DDD	3.3	U
1031-07-8	Endosulfan sulfate	2.7	J
50-29-3	4,4´-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.2	J
8001-35-2	Toxaphene	170	U

2R - FORM II ARO-2

SOIL AROCLOR SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	ABLK3D	59	61	84	73			0
02	ALCS3D	60	63	87	75			0
03	E2259	47	49	82	72			0
04	E2259MS	53	55	84	73			0
05	E2259MSD	62	64	89	77			0
06	E2260	51	53	80	69			0
07	E2261	49	50	71	62			0
08	E2262	58	60	81	70			0
09	E2263	55	57	81	70			0
10	E2264	52	54	81	70			0
11	E2265	48	49	75	66			0
12	E2266	49	50	83	71			0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SOM01.2 (6/2007)

3K - FORM III ARO-2

SOIL AROCLOR MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: _____ SDG No.: E2259

Matrix Spike - EPA Sample No.: E2259

Instrument ID: E3 GC Column : CLPPest ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS %REC	#	QC. LIMITS REC.
AR1016	156.6377	0.0000	138.2756	88		29-135
AR1260	156.6412	0.0000	156.7502	100		29-135

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
AR1016	156.6377	148.5978	95		7		15	29-135
AR1260	156.6412	165.8117	106		6		20	29-135

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS: _____

3K - FORM III ARO-2

SOIL AROCLOR MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix Spike - EPA Sample No.: E2259

Instrument ID: E3 GC Column : CLPPestII ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS %REC	#	QC. LIMITS REC.
AR1016	156.6377	0.0000	126.0532	80		29-135
AR1260	156.6412	0.0000	138.2866	88		29-135

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
AR1016	156.6377	135.1099	86		7		15	29-135
AR1260	156.6412	144.6456	92		4		20	29-135

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

3P - FORM III ARO-4
SOIL AROCLOR LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

ALCS3D

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Lab Sample ID: LCS-39717 LCS Lot No.:

Date Extracted: 10/31/2008 Date Analyzed (1): 11/12/2008

Instrument ID (1): E3 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
Aroclor-1016	33.3330	37.5926	113		50-150
Aroclor-1260	33.3330	40.7304	122		50-150

Instrument ID (2): E3 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/12/2008

COMPOUND	AMOUNT ADDED (UG/KG)	AMOUNT RECOVERED (UG/KG)	%REC	#	QC LIMITS
Aroclor-1016	33.3330	31.3278	94		50-150
Aroclor-1260	33.3330	35.8887	108		50-150

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

LCS Recovery: 0 out of 4 outside limits.

COMMENTS:

4F - FORM IV ARO

AROCLOR METHOD BLANK SUMMARY

EPA SAMPLE NO.

ABLK3D

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Lab File ID: E3F7047F.D / E3F7047R.D Lab Sample ID: MB-39717

Matrix: (SOIL/SED/WATER) SOIL Extraction: (Type) SONC Date Extracted: 10/31/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup:(Y/N) N

Acid Cleanup: (Y/N Y

Date Analyzed (1): 11/12/2008 Date Analyzed (2): 11/12/2008

Time Analyzed (1): 10:12 Time Analyzed (2): 10:12

Instrument ID (1): E3 Instrument ID (2): E3

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	ALCS3D	LCS-39717	11/12/2008	11/12/2008
02	E2259	G1911-01A	11/12/2008	11/12/2008
03	E2259MS	G1911-01AMS	11/12/2008	11/12/2008
04	E2259MSD	G1911-01AMSD	11/12/2008	11/12/2008
05	E2260	G1911-02A	11/12/2008	11/12/2008
06	E2261	G1911-03A	11/12/2008	11/12/2008
07	E2262	G1911-04A	11/12/2008	11/12/2008
08	E2263	G1911-05A	11/12/2008	11/12/2008
09	E2264	G1911-06A	11/12/2008	11/12/2008
10	E2265	G1911-07A	11/12/2008	11/12/2008
11	E2266	G1911-08A	11/12/2008	11/12/2008

COMMENTS:

SOM01.2 (6/2007)

8H - FORM VIII ARO

AROCLOR ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: CLPPest ID: 0.53 (mm) Init. Calib. Date(s): 11/10/2008 11/11/2008

Instrument ID: E3

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.623 DCB: 9.604

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR12213H3	E3F6954F.D	11/10/2008	18:03	3.627	9.612
02	AR12323H3	E3F6955F.D	11/10/2008	18:19	3.624	9.608
03	AR12421H3	E3F6957F.D	11/10/2008	18:51	3.628	9.615
04	AR12422H3	E3F6958F.D	11/10/2008	19:07	3.628	9.617
05	AR12423H3	E3F6959F.D	11/10/2008	19:22	3.627	9.614
06	AR12424H3	E3F6960F.D	11/10/2008	19:38	3.627	9.613
07	AR12425H3	E3F6961F.D	11/10/2008	19:54	3.626	9.613
08	AR12481H3	E3F6963F.D	11/10/2008	20:26	3.628	9.614
09	AR12482H3	E3F6964F.D	11/10/2008	20:42	3.627	9.613
10	AR12483H3	E3F6965F.D	11/10/2008	20:58	3.627	9.611
11	AR12484H3	E3F6966F.D	11/10/2008	21:14	3.626	9.613
12	AR12485H3	E3F6967F.D	11/10/2008	21:30	3.625	9.610
13	AR12541H3	E3F6969F.D	11/10/2008	22:01	3.627	9.613
14	AR12542H3	E3F6970F.D	11/10/2008	22:17	3.627	9.610
15	AR12543H3	E3F6971F.D	11/10/2008	22:33	3.624	9.604
16	AR12544H3	E3F6972F.D	11/10/2008	22:49	3.623	9.604
17	AR12545H3	E3F6973F.D	11/10/2008	23:05	3.622	9.602
18	AR12623H3	E3F6974F.D	11/10/2008	23:21	3.623	9.604
19	AR12683H3	E3F6975F.D	11/10/2008	23:37	3.623	9.602
20	AR16601H3	E3F6977F.D	11/11/2008	0:09	3.623	9.604
21	AR16602H3	E3F6978F.D	11/11/2008	0:25	3.625	9.606
22	AR16603H3	E3F6979F.D	11/11/2008	0:40	3.623	9.603
23	AR16604H3	E3F6980F.D	11/11/2008	0:56	3.623	9.605
24	AR16605H3	E3F6981F.D	11/11/2008	1:12	3.622	9.602
25	AIBLKHD	E3F7042F.D	11/12/2008	8:53	3.640	9.637
26	AR16603HD	E3F7043F.D	11/12/2008	9:08	3.630	9.616
27	ZZZZZ	E3F7044F.D	11/12/2008	9:24	3.627	9.609

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)

DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

SOM01.2 (6/2007)

0879

8H - FORM VIII ARO

AROCLOR ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: CLPPest ID: 0.53 (mm) Init. Calib. Date(s): 11/10/2008 11/11/2008

Instrument ID: E3

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.623 DCB: 9.604

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
28	ZZZZZ	E3F7045F.D	11/12/2008	9:40	3.624	9.602
29	ZZZZZ	E3F7046F.D	11/12/2008	9:56	3.623	9.601
30	ABLK3D	E3F7047F.D	11/12/2008	10:12	3.621	9.598
31	ALCS3D	E3F7048F.D	11/12/2008	10:28	3.621	9.597
32	E2259	E3F7049F.D	11/12/2008	10:44	3.621	9.598
33	E2259MS	E3F7050F.D	11/12/2008	11:00	3.620	9.596
34	E2259MSD	E3F7051F.D	11/12/2008	11:16	3.620	9.594
35	E2260	E3F7052F.D	11/12/2008	11:31	3.620	9.596
36	E2261	E3F7053F.D	11/12/2008	11:47	3.620	9.597
37	E2262	E3F7054F.D	11/12/2008	12:03	3.620	9.595
38	E2263	E3F7055F.D	11/12/2008	12:19	3.621	9.597
39	E2264	E3F7056F.D	11/12/2008	12:35	3.620	9.596
40	E2265	E3F7057F.D	11/12/2008	12:51	3.621	9.596
41	E2266	E3F7058F.D	11/12/2008	13:07	3.621	9.598
42	ZZZZZ	E3F7059F.D	11/12/2008	13:23	3.621	9.598
43	AIBLKHE	E3F7060F.D	11/12/2008	13:39	3.622	9.598
44	AR16603HE	E3F7064F.D	11/12/2008	14:43	3.621	9.599

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)

DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

SOM01.2 (6/2007)

8H - FORM VIII ARO

AROCLOR ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: CLPPestII ID: 0.53 (mm) Init. Calib. Date(s): 11/10/2008 11/11/2008

Instrument ID: E3

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.932 DCB: 11.145

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR12213H3	E3F6954R.D	11/10/2008	18:03	3.935	11.151
02	AR12323H3	E3F6955R.D	11/10/2008	18:19	3.933	11.149
03	AR12421H3	E3F6957R.D	11/10/2008	18:51	3.938	11.158
04	AR12422H3	E3F6958R.D	11/10/2008	19:07	3.938	11.158
05	AR12423H3	E3F6959R.D	11/10/2008	19:22	3.936	11.157
06	AR12424H3	E3F6960R.D	11/10/2008	19:38	3.936	11.154
07	AR12425H3	E3F6961R.D	11/10/2008	19:54	3.934	11.156
08	AR12481H3	E3F6963R.D	11/10/2008	20:26	3.938	11.156
09	AR12482H3	E3F6964R.D	11/10/2008	20:42	3.935	11.155
10	AR12483H3	E3F6965R.D	11/10/2008	20:58	3.936	11.153
11	AR12484H3	E3F6966R.D	11/10/2008	21:14	3.935	11.155
12	AR12485H3	E3F6967R.D	11/10/2008	21:30	3.933	11.153
13	AR12541H3	E3F6969R.D	11/10/2008	22:01	3.936	11.156
14	AR12542H3	E3F6970R.D	11/10/2008	22:17	3.937	11.152
15	AR12543H3	E3F6971R.D	11/10/2008	22:33	3.933	11.145
16	AR12544H3	E3F6972R.D	11/10/2008	22:49	3.931	11.144
17	AR12545H3	E3F6973R.D	11/10/2008	23:05	3.930	11.140
18	AR12623H3	E3F6974R.D	11/10/2008	23:21	3.933	11.144
19	AR12683H3	E3F6975R.D	11/10/2008	23:37	3.932	11.143
20	AR16601H3	E3F6977R.D	11/11/2008	0:09	3.933	11.146
21	AR16602H3	E3F6978R.D	11/11/2008	0:25	3.934	11.147
22	AR16603H3	E3F6979R.D	11/11/2008	0:40	3.931	11.145
23	AR16604H3	E3F6980R.D	11/11/2008	0:56	3.933	11.145
24	AR16605H3	E3F6981R.D	11/11/2008	1:12	3.930	11.143
25	AIBLKHD	E3F7042R.D	11/12/2008	8:53	3.943	11.174
26	AR16603HD	E3F7043R.D	11/12/2008	9:08	3.939	11.158
27	ZZZZZ	E3F7044R.D	11/12/2008	9:24	3.936	11.151

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)

DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

8H - FORM VIII ARO

AROCLOR ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

GC Column: CLPPestII ID: 0.53 (mm) Init. Calib. Date(s): 11/10/2008 11/11/2008

Instrument ID: E3

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.932 DCB: 11.145

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
28	ZZZZZ	E3F7045R.D	11/12/2008	9:40	3.933	11.143
29	ZZZZZ	E3F7046R.D	11/12/2008	9:56	3.932	11.142
30	ABLK3D	E3F7047R.D	11/12/2008	10:12	3.930	11.138
31	ALCS3D	E3F7048R.D	11/12/2008	10:28	3.929	11.137
32	E2259	E3F7049R.D	11/12/2008	10:44	3.930	11.137
33	E2259MS	E3F7050R.D	11/12/2008	11:00	3.928	11.137
34	E2259MSD	E3F7051R.D	11/12/2008	11:16	3.929	11.135
35	E2260	E3F7052R.D	11/12/2008	11:31	3.930	11.137
36	E2261	E3F7053R.D	11/12/2008	11:47	3.929	11.137
37	E2262	E3F7054R.D	11/12/2008	12:03	3.929	11.135
38	E2263	E3F7055R.D	11/12/2008	12:19	3.930	11.137
39	E2264	E3F7056R.D	11/12/2008	12:35	3.930	11.138
40	E2265	E3F7057R.D	11/12/2008	12:51	3.929	11.134
41	E2266	E3F7058R.D	11/12/2008	13:07	3.930	11.137
42	ZZZZZ	E3F7059R.D	11/12/2008	13:23	3.930	11.139
43	AIBLKHE	E3F7060R.D	11/12/2008	13:39	3.930	11.137
44	AR16603HE	E3F7064R.D	11/12/2008	14:43	3.931	11.140

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)

DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABLK3D

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: MB-39717

Sample wt/vol: 30.0 (g/mL) G Lab File ID: E3F7047F.D/E3F7047R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid 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
37324-23-5	Aroclor-1262	33	U
11100-14-4	Aroclor-1268	33	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ALCS3D(1)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-39717

Sample wt/vol: 30 (g/mL) G Lab File ID: E3F7048F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38	
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	41	
37324-23-5	Aroclor-1262	33	U
11100-14-4	Aroclor-1268	33	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ALCS3D(2)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: LCS-39717

Sample wt/vol: 30 (g/mL) G Lab File ID: E3F7048R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	31	J
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	36	
37324-23-5	Aroclor-1262	33	U
11100-14-4	Aroclor-1268	33	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E3F7049F.D/E3F7049R.D

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	39	U
37324-23-5	Aroclor-1262	39	U
11100-14-4	Aroclor-1268	39	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MS(1)

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL

Lab Sample ID: G1911-01AMS

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: E3F7050F.D

% Moisture: 16 Decanted: (Y/N) N

Date Received: 10/24/2008

Extraction: (Type) SONC

Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3

Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	140	
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	160	
37324-23-5	Aroclor-1262	39	U
11100-14-4	Aroclor-1268	39	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MS(2)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01AMS

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E3F7050R.D

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	130	
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	140	
37324-23-5	Aroclor-1262	39	U
11100-14-4	Aroclor-1268	39	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MSD(1)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01AMSD

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E3F7051F.D

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	150	
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	170	
37324-23-5	Aroclor-1262	39	U
11100-14-4	Aroclor-1268	39	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2259MSD(2)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-01AMSD

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E3F7051R.D

% Moisture: 16 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	140	
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	39	U
11097-69-1	Aroclor-1254	39	U
11096-82-5	Aroclor-1260	140	
37324-23-5	Aroclor-1262	39	U
11100-14-4	Aroclor-1268	39	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2260

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-02A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E3F7052F.D/E3F7052R.D

% Moisture: 11 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.7 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U
37324-23-5	Aroclor-1262	37	U
11100-14-4	Aroclor-1268	37	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2261

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-03A

Sample wt/vol: 30.3 (g/mL) G Lab File ID: E3F7053F.D/E3F7053R.D

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.6 Sulfur Cleanup: (Y/N) Y

Acid 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
37324-23-5	Aroclor-1262	41	U
11100-14-4	Aroclor-1268	41	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2262

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-04A

Sample wt/vol: 30.2 (g/mL) G Lab File ID: E3F7054F.D/E3F7054R.D

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.3 Sulfur Cleanup: (Y/N) Y

Acid 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
37324-23-5	Aroclor-1262	41	U
11100-14-4	Aroclor-1268	41	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2263

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-05A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E3F7055F.D/E3F7055R.D

% Moisture: 22 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.4 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	42	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U
37324-23-5	Aroclor-1262	42	U
11100-14-4	Aroclor-1268	42	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2264

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-06A

Sample wt/vol: 30.4 (g/mL) G Lab File ID: E3F7056F.D/E3F7056R.D

% Moisture: 14 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.8 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	38	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U
37324-23-5	Aroclor-1262	38	U
11100-14-4	Aroclor-1268	38	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2265

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-07A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E3F7057F.D/E3F7057R.D

% Moisture: 13 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.8 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	37	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	37	U
12672-29-6	Aroclor-1248	37	U
11097-69-1	Aroclor-1254	37	U
11096-82-5	Aroclor-1260	37	U
37324-23-5	Aroclor-1262	37	U
11100-14-4	Aroclor-1268	37	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2266

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2259

Matrix: (SOIL/SED/WATER) SOIL Lab Sample ID: G1911-08A

Sample wt/vol: 30.5 (g/mL) G Lab File ID: E3F7058F.D/E3F7058R.D

% Moisture: 21 Decanted: (Y/N) N Date Received: 10/24/2008

Extraction: (Type) SONC Date Extracted: 10/31/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/12/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.1 Sulfur Cleanup: (Y/N) Y

Acid 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
37324-23-5	Aroclor-1262	41	U
11100-14-4	Aroclor-1268	41	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E2259 CERCLIS No: TBD

Case No: 37971 Site Name/Location: Fastoria Industries (OH)

Contractor or EPA Lab: MHKem Data User: OEPA

No. of Samples: 8 Date Sampled or Date Received: 18 NOV 08

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ✓ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 8 No. of samples received: ____

Received by: pdavis Date: 18 NOV 08

Received by LSSS: pdavis Date: 24 NOV 08

Review started: 12/18/08 Reviewer Signature: [illegible]

Total time spent on review: 13.0 ~~+05~~ Date review completed: 12/22/08

Copied by: pdavis Date: 8 JAN 09

Mailed to user by: pdavis Date: 8 JAN 09

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: ____

Controlled Document

ESAT5.16-002.05-pd 8JAN09

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE: 8JAN09

SUBJECT: Review of Data
Received for Review on: November 18, 2008

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

for Steve Ostrodka
Michael L. Bezpit
1/7/09

TO: Data User: OEPA

We have reviewed the data for the following case:

SITE Name: Fostoria Industries (OH)

Case Number: 37971 SDG Number: E2251

Number and Type of Samples: 9 Water (Low Level Volatiles, Semivolatiles, Pesticides, Aroclors)

Sample Numbers: E2251 – E2258, E2267

Laboratory: Mitkem Laboratories Hrs for Review:

Following are our findings:

The data are usable and acceptable with the qualifications described in the attached narrative.
Michael L. Bezpit

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Case Number: 37971
Site Name: Fostoria Industries (OH)

SDG Number: E2251
Laboratory: Mitkem Laboratories

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Nine (9) preserved water samples labeled E2251 through E2258, and E2267 were shipped to Mitkem Corporation in Warwick, RI. All samples were collected October 21 - 23, 2008 and received October 24, 2008 intact and at the proper shipping temperature range of 2 - 6°C.

One (1) sample, E2267, was analyzed for only the low level volatile target compounds. The remaining eight (8) samples were analyzed for low level volatile, semivolatile, pesticide, and aroclor target compounds. All samples were analyzed according to CLP SOW SOM01.2 (8/2007) and reviewed according to the NFG for SOM01.2 and the SOP for ESAT 5/TechLaw Validation of Contract Laboratory Program Organic Data (Version 2.2).

Sample E2251 was designated by the samplers to be used for laboratory QC, i.e. MS / MSD analyses.

Sample E2267 was identified as a trip blank.

No samples were identified as field blanks or field duplicates.

Reviewed by: Christina Steinbuck / Techlaw-ESAT
Date: December 18, 2008

Case Number: 37971
Site Name: Fostoria Industries (OH)

SDG Number: E2251
Laboratory: Mitkem Laboratories

1. HOLDING TIME

No problems were found.

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were found.

3. CALIBRATION

The following volatile samples are associated with an initial calibration in which a DMC did not meet relative response factor (RRF) criteria. Detected and non-detected compounds are not qualified.

1,4-Dioxane-d8
E2251, E2251DL, E2251MS, E2251MSD, E2252, E2252DL, E2253, E2254, E2255, E2256, E2257, E2258, E2267, VBLK6Q, VBLK6S, VHBLK6S

The following semivolatile samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. The compound was not detected in the samples. The non-detected compound is qualified "UJ".

Anthracene
E2251, E2251MS, E2251MSD, E2252, E2253, E2254, E2255, E2256, E2257, E2258, SBLK4Z

4. BLANKS

The following volatile samples were analyzed after a highly contaminated sample with no intervening instrument blank. The detected compound is qualified "J" due to the possibility of carry-over.

E2251MS, E2252
Trichloroethene

The following semivolatile samples have TIC concentrations reported less than 10 µg/L and less than 5X the method/field blank concentration. Detected compounds are qualified "U" and deleted from the TIC report.

Unknown – 9.892
E2251, E2253, E2254, E2257

5. DEUTERATED MONITORING COMPOUND AND SURROGATE RECOVERY

Case Number: 37971
Site Name: Fostoria Industries (OH)

SDG Number: E2251
Laboratory: Mitkem Laboratories

The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. The compounds were not detected in the samples. Non-detected compounds are not qualified.

E2251, E2251MS, E2251MSD, E2252, E2252DL, E2253, E2254, E2255, E2256, E2257, E2258
Dichlorodifluoromethane, Chloromethane, Bromomethane, Chloroethane, Carbon disulfide

The following volatile samples have one or more DMC/SMC recovery values less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. The compounds were not detected in the samples. Non-detected compounds are qualified "UJ".

E2251, E2252, E2256, E2257, E2258, E2267
cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane

The following semivolatile sample has deuterated monitoring compound recovery below the lower limit of the criteria window. The compounds were not detected in the sample. Non-detected compounds are qualified "UJ".

E2252
4-Chloroaniline, Hexachlorocyclopentadiene, 3,3'-Dichlorobenzidine, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

6A. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample E2251 was designated by the samplers to be used for laboratory QC, i.e. MS / MSD analyses.

The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. The detected compound in the unspiked samples, E2251 and E2251DL, is qualified "J".

E2251MS, E2251MSD
Trichloroethene

The following volatile matrix spike/matrix spike duplicate samples have percent recoveries that are less than the expanded lower acceptance limit. The detected compound in the unspiked samples, E2251 and E2251DL, is qualified "J".

E2251MS, E2251MSD
Trichloroethene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recoveries greater than the upper acceptance criteria. The compound was not detected in the unspiked sample, E2251. The non-detected compound in the unspiked sample, E2251, is not qualified.

E2251MS, E2251MSD
4-Nitrophenol

The following pesticide matrix spike/matrix spike duplicate sample has percent recoveries greater than or equal to the lower expanded criteria limit but less than the lower primary criteria limit on 1 GC column (reportable value). The compound was not detected in the unspiked sample, E2251. The non-detected compound in the unspiked sample, E2251, is qualified "UJ".

E2251MSD
gamma-BHC (Lindane)

6B. LABORATORY CONTROL SAMPLE

No problems were found.

7. FIELD BLANK AND FIELD DUPLICATE

Sample E2267 was identified as a trip blank. No target analytes were detected in the sample.

No samples were identified as field blanks or field duplicates. Results are not qualified based upon the results of the field duplicates.

8. INTERNAL STANDARDS

No problems were found.

9. COMPOUND IDENTIFICATION

After reviewing the chromatograms it appears that all volatile, semivolatile, pesticide, and aroclor compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J".

E2251
1,1,1-Trichloroethane, Tetrachloroethene

E2251MS
1,1,1-Trichloroethane

E2258
cis-1,2-Dichloroethene

The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J".

E2252, E2253, E2256, E2257
Bis(2-ethylhexyl)phthalate

A library search indicates a match below 85% for a TIC compound in the semivolatile sample. Detected compounds are qualified "J".

Unknown – 13.836
E2254

Unknown – 9.892
SBLK4Z

The following pesticide samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J".

E2251MS, E2251MSD
4,4'-DDE

PLCS4L
gamma-BHC (Lindane), Heptachlor epoxide, Dieldrin, 4,4'-DDE, Endrin, Endosulfan sulfate, gamma-Chlordane

11. SYSTEM PERFORMANCE

The GC/MS baseline indicated acceptable performance. The GC baseline was acceptable.

12. ADDITIONAL INFORMATION

The following volatile samples have compound concentrations which exceed the instruments calibration range. The detected results are qualified "J". The results from the diluted analyses should be considered the final concentrations for the affected compounds.

E2251
Trichloroethene

E2252
Vinyl chloride, cis-1,2-Dichloroethene, Trichloroethene

Case Number: 37971
Site Name: Fostoria Industries (OH)

SDG Number: E2251
Laboratory: Mitkem Laboratories

The following volatile samples have compound concentrations which exceed the instruments calibration range. The detected results are qualified "J". No dilution was required because these are laboratory QC samples.

E2251MS, E2251MSD
Trichloroethene

The CADRE and EDD spreadsheets did not include the following pesticide and aroclor samples. The laboratory Form I for these samples are included with the hard copy data package.

ALCS2D, PLCS4L

Case Number: 37971
Site Name: Fostoria Industries (OH)

SDG Number: E2251
Laboratory: Mitkem Laboratories

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present.)

Reviewed by: Christina Steinbuck / Techlaw-ESAT
Date: December 18, 2008

National Functional Guidelines Report # 9

22:07 Sat, Nov 15, 2008

Lab MITKEM (Mitkem Corporation) **SDG** E2251 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66127 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2251 Location=MW-01 Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier

National Functional Guidelines Report # 9

22:07 Sat, Nov 15, 2008

Lab MITKEM (Mitkem Corporation) **SDG** E2251 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66127 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2253 Location=MW-03 Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier

National Functional Guidelines Report # 9

22:07 Sat, Nov 15, 2008

Lab MITKEM (Mitkem Corporation) **SDG** E2251 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66127 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2254 Location=MW-04 Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
	Unknown-02	13.836	96	J

National Functional Guidelines Report # 9

22:07 Sat, Nov 15, 2008

Lab MITKEM (Mitkem Corporation) **SDG** E2251 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66127 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2257 Location=MW-07 Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier

National Functional Guidelines Report # 9

22:07 Sat, Nov 15, 2008

Lab MITKEM (Mitkem Corporation) **SDG** E2251 **Case** 37971 **Contract** EPW05030 **Region** 5 **DDTID** 66127 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=SBLK4Z Location=No_TR_data Matrix=Water Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown-01	9.892	10	ug/L	J

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 9
Number of Sediment Samples : 0

Sample Number :	E2251		E2251DL		E2251MS		E2251MSD		E2252	
Sampling Location :	MW-01		MW-01		MW-01		MW-01		MW-02	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/22/2008								10/22/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	2.0		2.0		2.0		2.0		2.0	
Dilution Factor :	1.0		16.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Chloromethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Vinyl chloride	5.0	U	80	U	5.0	U	5.0	U	600	J
Bromomethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Chloroethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Trichlorofluoromethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,1-Dichloroethene	5.0	U	80	U	38		36		6.2	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Acetone	10	U	160	U	10	U	10	U	10	U
Carbon disulfide	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Methyl acetate	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Methylene chloride	5.0	U	80	U	5.0	U	5.0	U	5.0	U
trans-1,2-Dichloroethene	5.0	U	80	U	5.0	U	5.0	U	14	
Methyl tert-butyl ether	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,1-Dichloroethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
cis-1,2-Dichloroethene	8.3		80	U	6.2		6.6		2300	J
2-Butanone	10	U	160	U	10	U	10	U	10	U
Bromochloromethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Chloroform	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,1,1-Trichloroethane	3.2	J	80	U	2.1	J	5.0	U	5.0	U
Cyclohexane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Carbon tetrachloride	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Benzene	5.0	U	80	U	41		42		5.0	U
1,2-Dichloroethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,4-Dioxane	100	U	1600	U	100	U	100	U	100	U
Trichloroethene	1800	J	2100	J	1300	J	1400	J	330	J
Methylcyclohexane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,2-Dichloropropane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Bromodichloromethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
cis-1,3-Dichloropropene	5.0	UJ	80	U	5.0	U	5.0	U	5.0	UJ
4-Methyl-2-pentanone	10	U	160	U	10	U	10	U	10	U
Toluene	5.0	U	80	U	41		41		5.0	U
trans-1,3-Dichloropropene	5.0	UJ	80	U	5.0	U	5.0	U	5.0	UJ

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2251		E2251DL		E2251MS		E2251MSD		E2252	
Sampling Location :	MW-01		MW-01		MW-01		MW-01		MW-02	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/22/2008								10/22/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	2.0		2.0		2.0		2.0		2.0	
Dilution Factor :	1.0		16.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	5.0	UJ	80	U	5.0	U	5.0	U	5.0	UJ
Tetrachloroethene	2.3	J	80	U	5.0	U	5.0	U	5.0	U
2-Hexanone	10	U	160	U	10	U	10	U	10	U
Dibromochloromethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Chlorobenzene	5.0	U	80	U	43		43		5.0	U
Ethylbenzene	5.0	U	80	U	5.0	U	5.0	U	5.0	U
o-Xylene	5.0	U	80	U	5.0	U	5.0	U	5.0	U
m,p-Xylene	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Styrene	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Bromoform	5.0	U	80	U	5.0	U	5.0	U	5.0	U
Isopropylbenzene	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,1,2,2-Tetrachloroethane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,3-Dichlorobenzene	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,4-Dichlorobenzene	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,2-Dichlorobenzene	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,2-Dibromo-3-chloropropane	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,2,4-Trichlorobenzene	5.0	U	80	U	5.0	U	5.0	U	5.0	U
1,2,3-Trichlorobenzene	5.0	U	80	U	5.0	U	5.0	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2252DL		E2253		E2254		E2255		E2256	
Sampling Location :	MW-02		MW-03		MW-04		MW-05		MW-06	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :			10/22/2008		10/23/2008		10/23/2008		10/23/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	2.0		2.0		2.0		2.0		2.0	
Dilution Factor :	20.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Chloromethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Vinyl chloride	500		5.0	U	5.0	U	5.0	U	5.0	U
Bromomethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Chloroethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Trichlorofluoromethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-Dichloroethene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	200	U	10	U	10	U	10	U	10	U
Carbon disulfide	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl acetate	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Methylene chloride	100	U	5.0	U	5.0	U	5.0	U	5.0	U
trans-1,2-Dichloroethene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl tert-butyl ether	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-Dichloroethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
cis-1,2-Dichloroethene	1900		5.0	U	5.0	U	5.0	U	5.0	U
2-Butanone	200	U	10	U	10	U	10	U	10	U
Bromochloromethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Chloroform	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,1-Trichloroethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Cyclohexane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Carbon tetrachloride	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dichloroethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,4-Dioxane	2000	U	100	U	100	U	100	U	100	U
Trichloroethene	250		7.7		5.0	U	26		5.0	U
Methylcyclohexane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dichloropropane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Bromodichloromethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
cis-1,3-Dichloropropene	100	U	5.0	U	5.0	U	5.0	U	5.0	UJ
4-Methyl-2-pentanone	200	U	10	U	10	U	10	U	10	U
Toluene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
trans-1,3-Dichloropropene	100	U	5.0	U	5.0	U	5.0	U	5.0	UJ

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2252DL		E2253		E2254		E2255		E2256	
Sampling Location :	MW-02		MW-03		MW-04		MW-05		MW-06	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :			10/22/2008		10/23/2008		10/23/2008		10/23/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	2.0		2.0		2.0		2.0		2.0	
Dilution Factor :	20.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	100	U	5.0	U	5.0	U	5.0	U	5.0	UJ
Tetrachloroethene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Hexanone	200	U	10	U	10	U	10	U	10	U
Dibromochloromethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Chlorobenzene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Ethylbenzene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
o-Xylene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
m,p-Xylene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Styrene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Bromoform	100	U	5.0	U	5.0	U	5.0	U	5.0	U
Isopropylbenzene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2,2-Tetrachloroethane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,3-Dichlorobenzene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,4-Dichlorobenzene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dichlorobenzene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromo-3-chloropropane	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,4-Trichlorobenzene	100	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,3-Trichlorobenzene	100	U	5.0	U	5.0	U	5.0	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971
SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2257		E2258		E2267		VBLK6Q		VBLK6S	
Sampling Location :	MW-07		Site Well		Trip blank					
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/23/2008		10/23/2008		10/21/2008					
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	2.0		2.0		2.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Chloromethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Vinyl chloride	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bromomethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Chloroethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Trichlorofluoromethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-Dichloroethene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetone	10	U	10	U	10	U	10	U	10	U
Carbon disulfide	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl acetate	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methylene chloride	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
trans-1,2-Dichloroethene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Methyl tert-butyl ether	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1-Dichloroethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
cis-1,2-Dichloroethene	5.0	U	2.0	J	5.0	U	5.0	U	5.0	U
2-Butanone	10	U	10	U	10	U	10	U	10	U
Bromochloromethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Chloroform	5.0	U	5.2		5.0	U	5.0	U	5.0	U
1,1,1-Trichloroethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Cyclohexane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Carbon tetrachloride	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dichloroethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,4-Dioxane	100	U	100	U	100	U	100	U	100	U
Trichloroethene	5.0	U	170		5.0	U	5.0	U	5.0	U
Methylcyclohexane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dichloropropane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bromodichloromethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
cis-1,3-Dichloropropene	5.0	UJ	5.0	UJ	5.0	UJ	5.0	U	5.0	U
4-Methyl-2-pentanone	10	U	10	U	10	U	10	U	10	U
Toluene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
trans-1,3-Dichloropropene	5.0	UJ	5.0	UJ	5.0	UJ	5.0	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2257		E2258		E2267		VBLK6Q		VBLK6S	
Sampling Location :	MW-07		Site Well		Trip blank					
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/23/2008		10/23/2008		10/21/2008					
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	2.0		2.0		2.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	5.0	UJ	5.0	UJ	5.0	UJ	5.0	U	5.0	U
Tetrachloroethene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Hexanone	10	U	10	U	10	U	10	U	10	U
Dibromochloromethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Chlorobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Ethylbenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
o-Xylene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
m,p-Xylene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Styrene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bromoform	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Isopropylbenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1,2,2-Tetrachloroethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,3-Dichlorobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,4-Dichlorobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dichlorobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromo-3-chloropropane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,4-Trichlorobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,3-Trichlorobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	VHBLK6S									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :	7.0									
Dilution Factor :	1.0									
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	5.0	U								
Chloromethane	5.0	U								
Vinyl chloride	5.0	U								
Bromomethane	5.0	U								
Chloroethane	5.0	U								
Trichlorofluoromethane	5.0	U								
1,1-Dichloroethene	5.0	U								
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U								
Acetone	10	U								
Carbon disulfide	5.0	U								
Methyl acetate	5.0	U								
Methylene chloride	5.0	U								
trans-1,2-Dichloroethene	5.0	U								
Methyl tert-butyl ether	5.0	U								
1,1-Dichloroethane	5.0	U								
cis-1,2-Dichloroethene	5.0	U								
2-Butanone	10	U								
Bromochloromethane	5.0	U								
Chloroform	5.0	U								
1,1,1-Trichloroethane	5.0	U								
Cyclohexane	5.0	U								
Carbon tetrachloride	5.0	U								
Benzene	5.0	U								
1,2-Dichloroethane	5.0	U								
1,4-Dioxane	100	U								
Trichloroethene	5.0	U								
Methylcyclohexane	5.0	U								
1,2-Dichloropropane	5.0	U								
Bromodichloromethane	5.0	U								
cis-1,3-Dichloropropene	5.0	U								
4-Methyl-2-pentanone	10	U								
Toluene	5.0	U								
trans-1,3-Dichloropropene	5.0	U								

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	VHBLK6S									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :	7.0									
Dilution Factor :	1.0									
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1,2-Trichloroethane	5.0	U								
Tetrachloroethene	5.0	U								
2-Hexanone	10	U								
Dibromochloromethane	5.0	U								
1,2-Dibromoethane	5.0	U								
Chlorobenzene	5.0	U								
Ethylbenzene	5.0	U								
o-Xylene	5.0	U								
m,p-Xylene	5.0	U								
Styrene	5.0	U								
Bromoform	5.0	U								
Isopropylbenzene	5.0	U								
1,1,2,2-Tetrachloroethane	5.0	U								
1,3-Dichlorobenzene	5.0	U								
1,4-Dichlorobenzene	5.0	U								
1,2-Dichlorobenzene	5.0	U								
1,2-Dibromo-3-chloropropane	5.0	U								
1,2,4-Trichlorobenzene	5.0	U								
1,2,3-Trichlorobenzene	5.0	U								

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 8
Number of Sediment Samples : 0

Sample Number :	E2251		E2251MS		E2251MSD		E2252		E2253	
Sampling Location :	MW-01		MW-01		MW-01		MW-02		MW-03	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/22/2008						10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Phenol	5.0	U	27		36		5.0	U	5.0	U
Bis(2-chloroethyl)ether	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Chlorophenol	5.0	U	27		35		5.0	U	5.0	U
2-Methylphenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,2'-Oxybis(1-chloropropane)	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetophenone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methylphenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
N-Nitroso-di-n-propylamine	5.0	U	26		33		5.0	U	5.0	U
Hexachloroethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Nitrobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Isophorone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Nitrophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,4-Dimethylphenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bis(2-chloroethoxy)methane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,4-Dichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Chloroaniline	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U
Hexachlorobutadiene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Caprolactam	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Chloro-3-methylphenol	5.0	U	28		35		5.0	U	5.0	U
2-Methylnaphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Hexachlorocyclopentadiene	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U
2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1'-Biphenyl	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Chloronaphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Nitroaniline	10	U	10	U	10	U	10	U	10	U
Dimethylphthalate	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,6-Dinitrotoluene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acenaphthylene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
3-Nitroaniline	10	U	10	U	10	U	10	U	10	U
Acenaphthene	5.0	U	28		34		5.0	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2251		E2251MS		E2251MSD		E2252		E2253	
Sampling Location :	MW-01		MW-01		MW-01		MW-02		MW-03	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/22/2008						10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	10	U	10	U	10	U	10	U	10	U
4-Nitrophenol	10	U	33		36		10	U	10	U
Dibenzofuran	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,4-Dinitrotoluene	5.0	U	31		35		5.0	U	5.0	U
Diethylphthalate	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Fluorene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Chlorophenyl-phenylether	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Nitroaniline	10	U	10	U	10	U	10	U	10	U
4,6-Dinitro-2-methylphenol	10	U	10	U	10	U	10	U	10	U
N-Nitrosodiphenylamine	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,4,5-Tetrachlorobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Bromophenyl-phenylether	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Hexachlorobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Atrazine	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Pentachlorophenol	10	U	32		36		10	U	10	U
Phenanthrene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Anthracene	5.0	UJ	5.0	UJ	5.0	UJ	5.0	UJ	5.0	UJ
Carbazole	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Di-n-butylphthalate	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Fluoranthene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Pyrene	5.0	U	23		24		5.0	U	5.0	U
Butylbenzylphthalate	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
3,3'-Dichlorobenzidine	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U
Benzo(a)anthracene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Chrysene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bis(2-ethylhexyl)phthalate	5.0	U	5.0	U	5.0	U	2.2	J	4.8	J
Di-n-octylphthalate	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzo(b)fluoranthene	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U
Benzo(k)fluoranthene	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U
Benzo(a)pyrene	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U
Indeno(1,2,3-cd)pyrene	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U
Dibenzo(a,h)anthracene	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U
Benzo(g,h,i)perylene	5.0	U	5.0	U	5.0	U	5.0	UJ	5.0	U
2,3,4,6-Tetrachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2254		E2255		E2256		E2257		E2258	
Sampling Location :	MW-04		MW-05		MW-06		MW-07		Site Well	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/23/2008		10/23/2008		10/23/2008		10/23/2008		10/23/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Phenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bis(2-chloroethyl)ether	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Chlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Methylphenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,2'-Oxybis(1-chloropropane)	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acetophenone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Methylphenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
N-Nitroso-di-n-propylamine	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Hexachloroethane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Nitrobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Isophorone	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Nitrophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,4-Dimethylphenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bis(2-chloroethoxy)methane	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,4-Dichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Naphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Chloroaniline	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Hexachlorobutadiene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Caprolactam	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Chloro-3-methylphenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Methylnaphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Hexachlorocyclopentadiene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,4,6-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,4,5-Trichlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,1'-Biphenyl	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Chloronaphthalene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2-Nitroaniline	10	U	10	U	10	U	10	U	10	U
Dimethylphthalate	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,6-Dinitrotoluene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Acenaphthylene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
3-Nitroaniline	10	U	10	U	10	U	10	U	10	U
Acenaphthene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2254		E2255		E2256		E2257		E2258	
Sampling Location :	MW-04		MW-05		MW-06		MW-07		Site Well	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/23/2008		10/23/2008		10/23/2008		10/23/2008		10/23/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	10	U	10	U	10	U	10	U	10	U
4-Nitrophenol	10	U	10	U	10	U	10	U	10	U
Dibenzofuran	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,4-Dinitrotoluene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Diethylphthalate	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Fluorene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Chlorophenyl-phenylether	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Nitroaniline	10	U	10	U	10	U	10	U	10	U
4,6-Dinitro-2-methylphenol	10	U	10	U	10	U	10	U	10	U
N-Nitrosodiphenylamine	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2,4,5-Tetrachlorobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
4-Bromophenyl-phenylether	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Hexachlorobenzene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Atrazine	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Pentachlorophenol	10	U	10	U	10	U	10	U	10	U
Phenanthrene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Anthracene	5.0	UJ	5.0	UJ	5.0	UJ	5.0	UJ	5.0	UJ
Carbazole	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Di-n-butylphthalate	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Fluoranthene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Pyrene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Butylbenzylphthalate	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
3,3'-Dichlorobenzidine	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzo(a)anthracene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Chrysene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Bis(2-ethylhexyl)phthalate	5.0	U	5.0	U	2.4	J	3.7	J	5.0	U
Di-n-octylphthalate	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzo(b)fluoranthene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzo(k)fluoranthene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzo(a)pyrene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Indeno(1,2,3-cd)pyrene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Dibenzo(a,h)anthracene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Benzo(g,h,i)perylene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
2,3,4,6-Tetrachlorophenol	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	SBLK4Z									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :	7.0									
Dilution Factor :	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	5.0	U								
Phenol	5.0	U								
Bis(2-chloroethyl)ether	5.0	U								
2-Chlorophenol	5.0	U								
2-Methylphenol	5.0	U								
2,2'-Oxybis(1-chloropropane)	5.0	U								
Acetophenone	5.0	U								
4-Methylphenol	5.0	U								
N-Nitroso-di-n-propylamine	5.0	U								
Hexachloroethane	5.0	U								
Nitrobenzene	5.0	U								
Isophorone	5.0	U								
2-Nitrophenol	5.0	U								
2,4-Dimethylphenol	5.0	U								
Bis(2-chloroethoxy)methane	5.0	U								
2,4-Dichlorophenol	5.0	U								
Naphthalene	5.0	U								
4-Chloroaniline	5.0	U								
Hexachlorobutadiene	5.0	U								
Caprolactam	5.0	U								
4-Chloro-3-methylphenol	5.0	U								
2-Methylnaphthalene	5.0	U								
Hexachlorocyclopentadiene	5.0	U								
2,4,6-Trichlorophenol	5.0	U								
2,4,5-Trichlorophenol	5.0	U								
1,1'-Biphenyl	5.0	U								
2-Chloronaphthalene	5.0	U								
2-Nitroaniline	10	U								
Dimethylphthalate	5.0	U								
2,6-Dinitrotoluene	5.0	U								
Acenaphthylene	5.0	U								
3-Nitroaniline	10	U								
Acenaphthene	5.0	U								

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	SBLK4Z									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :	7.0									
Dilution Factor :	1.0									
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	10	U								
4-Nitrophenol	10	U								
Dibenzofuran	5.0	U								
2,4-Dinitrotoluene	5.0	U								
Diethylphthalate	5.0	U								
Fluorene	5.0	U								
4-Chlorophenyl-phenylether	5.0	U								
4-Nitroaniline	10	U								
4,6-Dinitro-2-methylphenol	10	U								
N-Nitrosodiphenylamine	5.0	U								
1,2,4,5-Tetrachlorobenzene	5.0	U								
4-Bromophenyl-phenylether	5.0	U								
Hexachlorobenzene	5.0	U								
Atrazine	5.0	U								
Pentachlorophenol	10	U								
Phenanthrene	5.0	U								
Anthracene	5.0	UJ								
Carbazole	5.0	U								
Di-n-butylphthalate	5.0	U								
Fluoranthene	5.0	U								
Pyrene	5.0	U								
Butylbenzylphthalate	5.0	U								
3,3'-Dichlorobenzidine	5.0	U								
Benzo(a)anthracene	5.0	U								
Chrysene	5.0	U								
Bis(2-ethylhexyl)phthalate	5.0	U								
Di-n-octylphthalate	5.0	U								
Benzo(b)fluoranthene	5.0	U								
Benzo(k)fluoranthene	5.0	U								
Benzo(a)pyrene	5.0	U								
Indeno(1,2,3-cd)pyrene	5.0	U								
Dibenzo(a,h)anthracene	5.0	U								
Benzo(g,h,i)perylene	5.0	U								
2,3,4,6-Tetrachlorophenol	5.0	U								

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 8
Number of Sediment Samples : 0

Sample Number :	E2251		E2251MS		E2251MSD		E2252		E2253	
Sampling Location :	MW-01		MW-01		MW-01		MW-02		MW-03	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/22/2008						10/22/2008		10/22/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
beta-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
delta-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
gamma-BHC (Lindane)	0.050	UJ	0.28		0.28		0.050	U	0.050	U
Heptachlor	0.050	U	0.42		0.40		0.050	U	0.050	U
Aldrin	0.050	U	0.41		0.39		0.050	U	0.050	U
Heptachlor epoxide	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Endosulfan I	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Dieldrin	0.10	U	0.87		0.85		0.10	U	0.10	U
4,4'-DDE	0.10	U	0.089	J	0.086	J	0.10	U	0.10	U
Endrin	0.10	U	1.0		1.0		0.10	U	0.10	U
Endosulfan II	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan sulfate	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0.81		0.77		0.10	U	0.10	U
Methoxychlor	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Endrin ketone	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin aldehyde	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
alpha-Chlordane	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
gamma-Chlordane	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Toxaphene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2254		E2255		E2256		E2257		E2258	
Sampling Location :	MW-04		MW-05		MW-06		MW-07		Site Well	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/23/2008		10/23/2008		10/23/2008		10/23/2008		10/23/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
beta-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
delta-BHC	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
gamma-BHC (Lindane)	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Heptachlor	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Aldrin	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Heptachlor epoxide	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Endosulfan I	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Dieldrin	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan II	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endosulfan sulfate	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Methoxychlor	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Endrin ketone	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin aldehyde	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
alpha-Chlordane	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
gamma-Chlordane	0.050	U	0.050	U	0.050	U	0.050	U	0.050	U
Toxaphene	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	PBLK4L									
Sampling Location :										
Matrix :	Water									
Units :	ug/L									
Date Sampled :										
Time Sampled :										
%Moisture :	N/A									
pH :	7.0									
Dilution Factor :	1.0									
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	0.050	U								
beta-BHC	0.050	U								
delta-BHC	0.050	U								
gamma-BHC (Lindane)	0.050	U								
Heptachlor	0.050	U								
Aldrin	0.050	U								
Heptachlor epoxide	0.050	U								
Endosulfan I	0.050	U								
Dieldrin	0.10	U								
4,4'-DDE	0.10	U								
Endrin	0.10	U								
Endosulfan II	0.10	U								
4,4'-DDD	0.10	U								
Endosulfan sulfate	0.10	U								
4,4'-DDT	0.10	U								
Methoxychlor	0.50	U								
Endrin ketone	0.10	U								
Endrin aldehyde	0.10	U								
alpha-Chlordane	0.050	U								
gamma-Chlordane	0.050	U								
Toxaphene	5.0	U								

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Number of Soil Samples : 0
Number of Water Samples : 8
Number of Sediment Samples : 0

Sample Number :	ABLK2D		E2251		E2251MS		E2251MSD		E2252	
Sampling Location :			MW-01		MW-01		MW-01		MW-02	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :			10/22/2008						10/22/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	1.0	U	1.0	U	3.8		3.7		1.0	U
Aroclor-1221	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1232	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1242	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1248	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1254	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1260	1.0	U	1.0	U	3.9		3.8		1.0	U
Aroclor-1262	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1268	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2253		E2254		E2255		E2256		E2257	
Sampling Location :	MW-03		MW-04		MW-05		MW-06		MW-07	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/22/2008		10/23/2008		10/23/2008		10/23/2008		10/23/2008	
Time Sampled :										
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1221	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1232	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1242	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1248	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1254	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1260	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1262	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Aroclor-1268	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : E2251
Site : FOSTORIA INDUSTRIES
Lab. : MITKEM
Reviewer :
Date :

Sample Number :	E2258									
Sampling Location :	Site Well									
Matrix :	Water									
Units :	ug/L									
Date Sampled :	10/23/2008									
Time Sampled :										
%Moisture :	N/A									
pH :	7.0									
Dilution Factor :	1.0									
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	1.0	U								
Aroclor-1221	1.0	U								
Aroclor-1232	1.0	U								
Aroclor-1242	1.0	U								
Aroclor-1248	1.0	U								
Aroclor-1254	1.0	U								
Aroclor-1260	1.0	U								
Aroclor-1262	1.0	U								
Aroclor-1268	1.0	U								

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 18 NOV 08

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: OEPA

We have reviewed the data for the following case:

SITE NAME: FUSTORIA INDUSTRIES (OH)

CASE NUMBER: 37971 SDG NUMBER: E2251

Number and Type of Samples: 9 water samples

Sample Numbers: E2251-E2258; E2267

Laboratory: MITKEM LABORATORIES Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-4J

Contract Laboratory Program

Sample Delivery Group (SDG)

Cover Sheet

SDG Number E2251

Laboratory Name	Mitkem Laboratories	Lab Code	MITKEM
Contract No.	EP-W-05-030	Case No.	37971
Analysis Price	$437	SDG Turnaround	21 days

EPA Sample Numbers in SDG (Listed in Numerical Order)

01) E2251	08) E2256		
02) E2251MS	09) E2257		
03) E2251MSD	10) E2258		
04) E2252	11) E2267		
05) E2253			
06) E2254			
07) E2255			

First Sample in SDG	Last Sample in SDG
E2251	E2267
First Sample Receipt Date	**Last Sample Receipt Date**
10/24/2008	10/24/2008

Note: There are a maximum of 20 field samples [excluding Performance Evaluation (PE) samples in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).

Signature Agnes R Huntley Date 10/29/2008

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	37971
DAS No:	
SDG No:	E2251

L

Date Shipped:	10/23/2008
Carrier Name:	FedEx
Airbill:	866389085854
Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [illegible]	10/23/08 1200	[illegible]	10/24/08 8:50
2			
3			
4			

Sampler Signature: [illegible]

For Lab Use Only

Lab Contract No:	EP-W-05-030
Unit Price:	$ 137
Transfer To:	—
Lab Contract No:	—
Unit Price:	—

	ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
01	E2251	Monitor Well/ Wendy Vorwerk	L/G	VOA (21)	5C097201 (HCL), 5C97202 (HCL), 5C97203 (HCL), 5C97204 (HCL), 5C97205 (HCL), 5C97206 (HCL), 5C97207 (HCL), 5C97208 (HCL), 5C97209 (HCL) (9)	MW-01	S: 10/22/2008	17:10	ME2251	OK
02	E2252	Monitor Well/ Wendy Vorwerk	L/G	VOA (21)	5C97224 (HCL), 5C97225 (HCL), 5C97226 (HCL) (3)	MW-02	S: 10/22/2008	15:00	ME2252	
03	E2253	Monitor Well/ Wendy Vorwerk	L/G	VOA (21)	5C97233 (HCL), 5C97234 (HCL), 5C97235 (HCL) (3)	MW-03	S: 10/22/2008	12:30	ME2253	
04	E2254	Monitor Well/ Wendy Vorwerk	L/G	VOA (21)	5C97244 (HCL), 5C97245 (HCL), 5C97246 (HCL) (3)	MW-04	S: 10/23/2008	16:30	ME2254	
05	E2255	Monitor Well/ Wendy Vorwerk	L/G	VOA (21)	5C97263 (HCL), 5C97264 (HCL), 5C97265 (HCL) (3)	MW-05	S: 10/23/2008	12:00	ME2255	
06	E2256	Monitor Well/ Wendy Vorwerk	L/G	VOA (21)	5C97274 (HCL), 5C97275 (HCL), 5C97276 (HCL) (3)	MW-06	S: 10/23/2008	11:00	ME2256	
07	E2257	Monitor Well/ Wendy Vorwerk	L/G	VOA (21)	5C97285 (HCL), 5C97286 (HCL), 5C97287 (HCL) (3)	MW-07	S: 10/23/2008	11:30	ME2257	OK

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: E2251	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3°	Chain of Custody Seal Number: 1072601-602
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y

BNA = CLP TCL Semivolatiles, CLP- PEST = CLP Pesticides, CLP-PCBS = CLP PCBS, VOA = CLP TCL Volatiles

TR Number: 5-043013577-102308-0006

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	37971
DAS No:	
SDG No:	E2251

L

Date Shipped:	10/23/2008
Carrier Name:	FedEx
Airbill:	866389085854
Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400

Chain of Custody Record

Sampler Signature:

Relinquished By	(Date / Time)	Received By	(Date / Time)
1	10/23/08 1200		8/90
2			
3			
4			

For Lab Use Only

Lab Contract No:	EP-W-05-030
Unit Price:	$437
Transfer To:	—
Lab Contract No:	—
Unit Price:	—

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E2251	Monitor Well/ Wendy Vorwerk	L/G	BNA (21), CLP- PEST (21), CLP-PCBS (21)	5C97210 (Ice Only), 5C97211 (Ice Only), 5C97212 (Ice Only), 5C97213 (Ice Only), 5C97214 (Ice Only), 5C97215 (Ice Only), 5C97216 (Ice Only), 5C97217 (Ice Only), 5C97218 (Ice Only), 5C97219 (Ice Only), 5C97220 (Ice Only), 5C97221 (Ice Only) (12)	MW-01	S: 10/22/2008 17:10	ME2251	OK

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	E2251		3°C	107257-58

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G

Custody Seal Intact? Y Shipment Iced? Y

BNA = CLP TCL Semivolatiles, CLP- PEST = CLP Pesticides, CLP-PCBS = CLP PCBS

TR Number: 5-043013577-102308-0003

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

F2V5.1. 047

0009

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 37971
DAS No:
SDG No: E2251

L

Date Shipped:	10/23/2008
Carrier Name:	FedEx
Airbill:	866389085854
Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400

Chain of Custody Record

Sampler Signature:

Relinquished By	(Date / Time)	Received By	(Date / Time)
1	10/23/08 12:00		10/24/08 8:50
2			
3			
4			

For Lab Use Only

Lab Contract No:	EP-W-05-030
Unit Price:	$437
Transfer To:	—
Lab Contract No:	—
Unit Price:	—

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E2252	Monitor Well/ Wendy Vorwerk	L/G	BNA (21), CLP- PEST (21), CLP-PCBS (21)	5C97127 (Ice Only), 5C97128 (Ice Only), 5C97227 (Ice Only), 5C97228 (Ice Only), 5C97231 (Ice Only), 5C97232 (Ice Only) (6)	MW-02	S: 10/22/2008 15:00	ME2252	OK
E2253	Monitor Well/ Wendy Vorwerk	L/G	BNA (21), CLP- PEST (21), CLP-PCBS (21)	5C97236 (Ice Only), 5C97237 (Ice Only), 5C97238 (Ice Only), 5C97239 (Ice Only), 5C97242 (Ice Only), 5C97243 (Ice Only) (6)	MW-03	S: 10/22/2008 12:30	ME2253	OK

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3°C	Chain of Custody Seal Number: 107259 - 260
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

BNA = CLP TCL Semivolatiles, CLP- PEST = CLP Pesticides, CLP-PCBS = CLP PCBS

TR Number: 5-043013577-102308-0004

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

F2V5.1. 047

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	37971
DAS No:	
SDG No:	E2251

L

Date Shipped:	10/23/2008
Carrier Name:	FedEx
Airbill:	866389085854
Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
[illegible]	10/23/08 1200	[illegible]	10/24/08 8:50
2			
3			
4			

Sampler Signature: [illegible]

For Lab Use Only

Lab Contract No:	EP-W-05-030
Unit Price:	$437
Transfer To:	—
Lab Contract No:	—
Unit Price:	—

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E2254	Monitor Well/ Wendy Vorwerk	L/G	BNA (21), CLP- PEST (21), CLP-PCBS (21)	5C97247 (Ice Only), 5C97248 (Ice Only), 5C97251 (Ice Only), 5C97252 (Ice Only), 5C97253 (Ice Only), 5C97254 (Ice Only) (6)	MW-04	S: 10/23/2008 16:30	ME2254	OK
E2255	Monitor Well/ Wendy Vorwerk	L/G	BNA (21), CLP- PEST (21), CLP-PCBS (21)	5C97255 (Ice Only), 5C97256 (Ice Only), 5C97257 (Ice Only), 5C97258 (Ice Only), 5C97261 (Ice Only), 5C97262 (Ice Only) (6)	MW-05	S: 10/23/2008 12:00	ME2255	OK

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 6°C [illegible] 10/24/08	Chain of Custody Seal Number: 107280-81
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y

BNA = CLP TCL Semivolatiles, CLP- PEST = CLP Pesticides, CLP-PCBS = CLP PCBS

TR Number: 5-043013577-102308-0005

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

001

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	37971
DAS No:	
SDG No:	E2251

L

Date Shipped:	10/23/2008
Carrier Name:	FedEx
Airbill:	866389085854
Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
[illegible]	10/23/08 1200	[illegible]	8150
2			
3			
4			

Sampler Signature: [illegible]

For Lab Use Only

Lab Contract No:	EP-W-05-030
Unit Price:	$437
Transfer To:	–
Lab Contract No:	–
Unit Price:	–

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E2256	Monitor Well/ Wendy Vorwerk	L/G	BNA (21), CLP- PEST (21), CLP-PCBS (21)	5C97266 (Ice Only), 5C97267 (Ice Only), 5C97268 (Ice Only), 5C97269 (Ice Only), 5C97272 (Ice Only), 5C97273 (Ice Only) (6)	MW-06	S: 10/23/2008 11:00	ME2256	OK
E2257	Monitor Well/ Wendy Vorwerk	L/G	BNA (21), CLP- PEST (21), CLP-PCBS (21)	5C97277 (Ice Only), 5C97278 (Ice Only), 5C97279 (Ice Only), 5C97280 (Ice Only), 5C97283 (Ice Only), 5C97284 (Ice Only) (6)	MW-07	S: 10/23/2008 11:30	ME2257	OK

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3°C	Chain of Custody Seal Number: 107255 - 56
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y

BNA = CLP TCL Semivolatiles, CLP- PEST = CLP Pesticides, CLP-PCBS = CLP PCBS

TR Number: 5-043013577-102308-0002

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F2V5.1. 047

0012

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	37971
DAS No:	
SDG No:	E2251

L

Date Shipped:	10/23/2008
Carrier Name:	FedEx
Airbill:	866389085854
Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400

Chain of Custody Record		Sampler Signature:	
Relinquished By	(Date / Time)	Received By	(Date / Time)
[illegible]	10/28/08 [illegible]	[illegible]	10/28/08 8:50
2			
3			
4			

For Lab Use Only

Lab Contract No:	EP-W-05-030
Unit Price:	$437
Transfer To:	—
Lab Contract No:	—
Unit Price:	—

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
03 E2258	Monitor Well/ Wendy Vorwerk	L/G	BNA (21), CLP- PEST (21), CLP-PCBS (21), VOA (21)	5C97288 (Ice Only), 5C97289 (Ice Only), 5C97290 (Ice Only), 5C97291 (Ice Only), 5C97294 (Ice Only), 5C97295 (Ice Only), 5C97296 (HCL), 5C97297 (HCL), 5C97298 (HCL) (9)	Site Well	S: 10/23/2008 15:00	ME2258	OK
04 E2267 ↓ SDG- Final Sample	Field QC/ Wendy Vorwerk	L/G	VOA (21)	5C97332 (HCL), 5C97333 (HCL), 5C97334 (HCL) (3)	Trip blank	S: 10/21/2008 15:00		OK

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: E2251	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3°C	Chain of Custody Seal Number: 107261-62
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y

BNA = CLP TCL Semivolatiles, CLP- PEST = CLP Pesticides, CLP-PCBS = CLP PCBS, VOA = CLP TCL Volatiles

TR Number: 5-043013577-102308-0006

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Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4202

F2V5.1. 047

0013

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to USEPA Case # 37971 and SDG# E2251. Analyses were performed for nine aqueous samples that were received on October 24, 2008. The analyses were performed under USEPA Contract # EP-W-05-030. Please note that five sample-shipping coolers were received. The coolers were measured at 3°C, 3°C, 3°C, 6°C and 3°C.

The aqueous samples for this case were scheduled for both TVOA and VOA analysis. The TR/COC lists VOA analysis. Per the Region, the laboratory should analyze the samples as listed on the TR/COC for VOA.

The following samples are submitted in this data package:

Client ID	Lab ID	Analysis	VOA pH
E2251	G1912-01A	V	<2
E2251DL	G1912-01ADL	V	<2
E2251MS	G1912-01AMS	V	<2
E2251MSD	G1912-01AMSD	V	<2
E2251	G1912-01B	S,P,A	
E2251MS	G1912-01BMS	S,P,A	
E2251MSD	G1912-01BMSD	S,P,A	
E2252	G1912-02A	V	<2
E2252DL	G1912-02ADL	V	<2
E2252	G1912-02B	S,P,A	
E2253	G1912-03A	V	<2
E2253	G1912-03B	S,P,A	
E2254	G1912-04A	V	<2
E2254	G1912-04B	S,P,A	
E2255	G1912-05A	V	<2
E2255	G1912-05B	S,P,A	
E2256	G1912-06A	V	<2
E2256	G1912-06B	S,P,A	
E2257	G1912-07A	V	<2
E2257	G1912-07B	S,P,A	
E2258	G1912-08A	V	<2
E2258	G1912-08B	S,P,A	
E2267	G1912-09A	V	<2

V = Low/Medium Volatiles
S = Semivolatiles
P = Pesticides
A = Aroclors

The analyses were performed using USEPA CLP Multi-Media, Multi-Concentration (SOM01.2) protocols. The analyses were performed with strict adherence to the SOW with the following exceptions and observations:

1. Overall Observation:

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

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

2. Low/Med Volatile Analysis:

Trap used for instrument V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

cis-1,3-Dichloropropene-d4 was detected in method blanks and in samples. The volatile organic deuterated monitoring compound spike solution contains both the cis- and trans-1,3-dichloropropene isomers. cis-1,3-Dichloropropene-d4 is not a dueterated monitoring compound for SOM01.2, while the trans isomer is. The cis isomer is considered a laboratory artifact, and is not reported as a tentatively identified compound.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

The following equation was used to calculate the concentration of target analytes for aqueous samples:

$$\text{Concentration } (\mu g/L) = \frac{(Amt)(DF)(UF)(5)}{V_o}$$

where: Amt = on-column amount on raw data

DF = Dilution factor
UF = ng unit correction factor
V_o = Sample volume purged (mL)

The following equation was used to calculate the Amt in the previous equations:

$$Amt = \frac{(A_x)(IS)}{(A_{is})(RRF)}$$

where: A_x = area of the characteristic ion for the compound to be measured
A_{is} = area of the characteristic ion for the associated internal standard
IS = concentration of internal standard in ug/L
RRF = relative response factor

DMC recoveries were within the QC limits with the exception of high recovery of chloroethane-d5 and low recovery of trans-1,3-dichloropropene-d4 in samples E2251, E2252, E2256, E2257 and E2258, high recovery of chloroethane-d5 in samples E2251MS, E2254, E2255, E2253 and E2251MSD and low recovery of trans-1,3-dichloropropene-d4 in sample E2267.

Matrix spike and matrix spike duplicate were performed on sample E2251. Spike recoveries were within the advisory QC limits with the exception of trichloroethene. Replicate RPDs were within the advisory QC limits with the exception of trichloroethene. Please note that the spike recovery and replicate precision of trichloroethene could not be accurately determined due to its high concentration in the native sample.

To ensure that all target analytes were determined within the instrument calibration range, the following samples were re-analyzed at dilution: E2251 (16x) and E2252 (20x).

For 1,4-dioxane and 1,4-dioxane-d8, the laboratory was unable to meet the minimum average RRF of 0.0050 in the initial calibration. In our experience, this compound will not reliably achieve the SOM method performance criteria due to its high water solubility. This compound is able to be reliably analyzed as an extractable semivolatile organic compound.

Ion 100 was used instead of ion 63 for 1,1-dichloroethene-d2. Ion 100 was used instead of ion 63 due to the interference with target compound 1,1-dichloroethene in the calibration standards.

No manual integrations were performed.

No other unusual observation was made for the analysis.

3. Semivolatile Analysis:

GC column: 30 m x 0.25 mm id (0.5 um film thickness) DB-5MS capillary column

The concentration of target analytes were determined for aqueous samples using the following equation:

$$\text{Concentration (ug/L)} = (\text{Amt})(\text{DF})(\text{Uf})\left(\frac{V_t}{V_i}\right)\left(\frac{1}{V_o}\right)$$

where: Amt = on-column amount on raw data
DF = Dilution Factor
Uf = GPC correction factor
V_t = final extract volume (µL)
V_i = volume injected (µL)
V_o = initial volume of sample extracted (mL)

The following equation was used to calculate the Amt in the previous equations:

$$Amt = \frac{(A_x)(IS)}{(A_{is})(RRF)}$$

where: A_x = area of the characteristic ion for the compound to be measured
A_{is} = area of the characteristic ion for the associated internal standard
IS = concentration of internal standard in ug/L
RRF = relative response factor

DMC recoveries were within the QC limits with the exception of low recovery of 4-chloroaniline-d4 and benzo (a) pyrene-d12 in sample E2252.

Matrix spike and matrix spike duplicate were performed on sample E2251. Spike recoveries were within the advisory QC limits with the exception of high recovery of 4-nitrophenol in both the matrix spike and matrix spike duplicate. Replicate RPDs were within the advisory QC limits.

Manual integration was performed on the following:
E2254: TIC at 13.836min due to M6.

No other unusual observation was made for the analysis.

4. Pesticides Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns

The concentration of target analytes were determined using the following equation for the aqueous samples:

$$\text{Concentration } (\mu g/L) = \frac{(Amt)(DF)(UF)(V_t)}{(V_o * V_i)}$$

where: Amt = Lower value of two Conc
DF = Dilution Factor
UF = Correction Factor
V_t = Volume of final extract (µL)
V_i = Volume of sample injected (µL)
V_o = Volume of sample extracted (mL)

Surrogate recoveries were within the QC limits.

Matrix spike and matrix spike duplicate were performed sample E2251. Spike recoveries were within the advisory QC limits with the exception of low recovery of gamma-BHC in the matrix spike duplicate for both column CLPPest. Replicate RPDs were within the advisory QC limits.

Spike recoveries were within the QC limits in the lab control sample.

Manual integration was performed on the following:
TOXAPH5V4: toxaphene due to M5.

No other unusual observation was made for the analysis.

5. Aroclor Analysis:

GC column used: 30 m x 0.53 mm id (0.5 um film thickness) CLPPest and 30 m x 0.53 mm id (0.42 um film thickness) CLPPestII megabore columns

The concentration of target analytes were determined using the following equation for the aqueous samples:

$$\text{Concentration } (\mu g/L) = \frac{(Amt)(DF)(UF)(V_t)}{(V_o * V_i)}$$

where: Amt = Lower value of two Conc
DF = Dilution Factor
UF = Correction Factor
V_t = Volume of final extract (μL)
V_i = Volume of sample injected (μL)
V_o = Volume of sample extracted (mL)

Surrogate recoveries were within the QC limits.

Matrix spike and matrix spike duplicate were performed sample E2251. Spike recoveries and replicate RPDs were within the advisory QC limits.

Spike recoveries were within the QC limits in the lab control sample.

Manual integration was performed on the following:
AR12323V2: Aroclor 1232 in the rear column due to M7
AR16605V2: Aroclor 1260 in the front column due to M7.

No other unusual observation was made for the analysis.

All of the submittals to the region are originals other than logbook pages. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. Tunes, calibration verifications and initial calibrations that are shared among several cases are photocopies indicating the location of the originals.

I certify that this Sample Data Package is in compliance with the terms and condition of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Agnes R Huntley

Agnes Huntley
CLP Project Manager
11/12/08

Agnes Huntley [Mitkem]

From: Schaffer, Keri [kschaffer@fedcsc.com]
Sent: Tuesday, October 28, 2008 2:58 PM
To: Agnes Huntley [Mitkem]
Cc: wendy.vorwerk@epa.state.oh.us; Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 37971 | Lab MITKEM | Issue Multiple | FINAL

Agnes,

Summary Start
-Non-sampler issues-
Issue 1: The VOA soil samples were received as 4oz soil jars instead of Encores or pre-preserved. The samples were treated like they were Encores, the sample was extruded into VOA vials and then frozen.
Resolution 1: Per Region 5, the laboratory shall note the issue in the SDG Narrative and proceed with the analysis of the samples.

Issue 2: The VOA soil samples were not extruded within 48-hours of collection. The samples were collected on October 22; however, they were received on October 24.
Resolution 2: Per Region 5, the laboratory shall note the issue in the SDG Narrative and proceed with the analysis of the samples.

-Discrepancies with tags, jars, and/or TR/COC-
Issue 3: Each sample ID is listed twice on the TR/COC. Once for VOA analysis and another for SVOA, PEST and ARO.
Resolution 3: Per Region 5, the laboratory shall analyze the samples as listed on the TR/COC for VOA, SVOA, PEST, and ARO.
Summary End

Please contact me if you have any questions.

Thanks,

Keri Schaffer
Environmental Coordinator/Analyst
Regions 5, 6, and 10
CSC

15000 Conference Center Drive, Chantilly, VA 20151
civil division | phone 703-818-4346 | fax 703-818-4602 | kschaffer@fedcsc.com | www.csc.com

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10/28/2008 2:36pm
Phone conversation between Keri Schaffer (SMO) and Warren Layne (Region 5). Per Region 5, for issues 1 and 2 the laboratory shall note the issue in the SDG Narrative and proceed with the analysis of the samples. For issue 3, the samples are listed 2 times on the TR/COC. Once for VOA analysis and another for SVOA, PEST, and ARO.

The laboratory shall analyze the samples for VOA, SVOA, ARO, and PEST.

From: Schaffer, Keri
Sent: Tuesday, October 28, 2008 1:47 PM
To: Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 37971 | Lab MITKEM | Issue Multiple

Warren,

I have not been able to get in touch with Wendy and the laboratory needs a resolution to log in the samples. Do you have another way of getting in touch with her?

Thanks,

Keri Schaffer
Environmental Coordinator/Analyst
Regions 5, 6, and 10
CSC

15000 Conference Center Drive, Chantilly, VA 20151
civil division | phone 703-818-4346 | fax 703-818-4602 | kschaffer@fedcsc.com | www.csc.com

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initiative expressly permitting the use of e-mail for such purpose.

From: Schaffer, Keri
Sent: Tuesday, October 28, 2008 8:48 AM
To: 'wendy.vorwerk@epa.state.oh.us'; Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 37971 | Lab MITKEM | Issue Multiple

Wendy,

MITKEM is reporting the following issues regarding Case 37971. The TR/COC is attached.

-Laboratory problems-
Issue 1: The VOA soil samples were received as 4oz soil jars instead of Encores or pre-preserved. The samples were treated like they were Encores, the sample was extruded into VOA vials and then frozen.

Issue 2: The VOA soil samples were not extruded within 48-hours of collection. The samples were collected on October 22; however, they were received on October 24.

-Discrepancies with tags, jars, and/or TR/COC-
Issue 3: All but 1 of the water samples received on 10/24 are listed on the TR/COC as VOA; however, per the Scheduling Notification Form some water samples are to be analyzed for TVOA, SVOA, ARO, PEST, other samples are for VOA and TVOA analysis, and the other water samples are scheduled for VOA, SVOA, ARO, and PEST analysis. The laboratory would like to know which set of analyses to perform on these samples.

Please contact me if you need any additional information.

Thank you,

Keri Schaffer
Environmental Coordinator/Analyst
Regions 5, 6, and 10
CSC

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civil division | phone 703-818-4346 | fax 703-818-4602 | kschaffer@fedcsc.com | www.csc.com

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initiative expressly permitting the use of e-mail for such purpose.

From: Agnes Huntley [Mitkem] [mailto:agnes_ng@mitkem.com]
Sent: Monday, October 27, 2008 5:09 PM
To: Schaffer, Keri
Subject: RE: Case 37971 SDG E2251

Hi Colin,

Attached are the TRs.

Agnes

From: Schaffer, Keri [mailto:kschaffer@fedcsc.com]
Sent: Monday, October 27, 2008 5:06 PM
To: Agnes Huntley [Mitkem]
Subject: RE: Case 37971 SDG E2251

Agnes,

This is Colin Walsh. Keri has left for the day.

Could you please provide the TR/COC?

Thanks,

Colin

Keri Schaffer
Environmental Coordinator/Analyst
Regions 5, 6, and 10
CSC

15000 Conference Center Drive, Chantilly, VA 20151
civil division | phone 703-818-4346 | fax 703-818-4602 | kschaffer@fedcsc.com | www.csc.com

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initiative expressly permitting the use of e-mail for such purpose.

From: Agnes Huntley [Mitkem] [mailto:agnes_ng@mitkem.com]
Sent: Monday, October 27, 2008 4:12 PM
To: Schaffer, Keri
Subject: Case 37971 SDG E2251

Hi Keri,

The samples are listed on the TR/COC as VOA. The water samples for this case are scheduled for TVOA with one sample for both TVOA and VOA. What are we to analyze these samples by?

Thank you,

Agnes (Ng) Huntley
CLP Project Manager
Mitkem Laboratories
A Division of Spectrum Analytical, Featuring Hanibal Technology
(P) 401-732-3400 x316
(F) 401-732-3499
****
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From: Agnes Huntley [Mitkem] [mailto:agnes_ng@mitkem.com]
Sent: Monday, October 27, 2008 4:06 PM
To: Schaffer, Keri
Subject: Case 37971 SDG E2259

Hi Keri,

The VOA soil samples were received as 4oz soil jars instead of Encores or pre-preserved. The samples were treated like they were Encores, sample extruded into VOA vials and then frozen.

The samples were not extruded within 48-hours of collection. The samples were collected on October 22 and received on October 24. The samples were not extruded within the 48-hour from collection.

Thank you,

Agnes (Ng) Huntley
CLP Project Manager
Mitkem Laboratories
A Division of Spectrum Analytical, Featuring Hanibal Technology
(P) 401-732-3400 x316
(F) 401-732-3499
****
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2A - FORM II VOA-1

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC1 (VCL)	#	VDMC2 (CLA)	#	VDMC3 (DCE)	#	VDMC4 (BUT)	#	VDMC5 (CLF)	#	VDMC6 (DCA)	#	VDMC7 (BEN)	#
01	VBLK6Q	120		84		74		100		100		97		102	
02	E2251	111		153	*	72		101		99		97		104	
03	E2251MS	117		151	*	85		94		98		96		101	
04	E2252	113		150	*	73		101		100		97		105	
05	E2254	118		152	*	73		96		98		96		105	
06	E2255	119		154	*	73		94		99		95		105	
07	E2256	117		157	*	77		98		101		97		108	
08	E2257	114		162	*	67		99		102		101		106	
09	E2258	118		161	*	74		103		103		98		107	
10	E2267	110		93		64		97		103		98		106	
11	E2251DL	122		105		71		103		96		95		105	
12	E2252DL	122		131	*	63		99		96		95		105	
13	E2253	118		133	*	68		90		99		95		104	
14	E2251MSD	117		137	*	87		104		104		103		104	
15	VBLK6S	81		91		75		103		104		97		107	
16	VHBLK6S	96		109		81		97		103		98		107	

			QC LIMITS
VDMC1	(VCL)	= Vinyl chloride-d3	(65-131)
VDMC2	(CLA)	= Chloroethane-d5	(71-131)
VDMC3	(DCE)	= 1,1-Dichloroethene-d2	(55-104)
VDMC4	(BUT)	= 2-Butanone-d5	(49-155)
VDMC5	(CLF)	= Chloroform-d	(78-121)
VDMC6	(DCA)	= 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BEN)	= Benzene-d6	(77-124)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SOM01.2 (6/2007)

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (DXE) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLK6Q	104	102	103	100	95	100	100	0
02	E2251	105	103	62 *	96	82	104	102	2
03	E2251MS	103	102	103	94	93	101	98	1
04	E2252	108	103	61 *	94	97	104	105	2
05	E2254	107	105	104	97	95	101	100	1
06	E2255	107	104	98	95	93	101	103	1
07	E2256	111	104	58 *	94	99	105	104	2
08	E2257	110	103	58 *	93	82	104	105	2
09	E2258	110	105	58 *	100	103	108	103	2
10	E2267	110	103	59 *	95	95	104	104	1
11	E2251DL	108	104	104	103	91	107	103	0
12	E2252DL	107	104	104	100	96	104	103	1
13	E2253	110	105	105	91	86	102	103	1
14	E2251MSD	109	101	105	100	99	107	105	1
15	VBLK6S	111	105	97	102	97	106	104	0
16	VHBLK6S	110	105	101	91	106	103	104	0

			QC LIMITS
VDMC8	(DPA)	= 1,2-Dichloropropane-d6	(79-124)
VDMC9	(TOL)	= Toluene-d8	(77-121)
VDMC10	(TDP)	= trans-1,3-Dichloropropene-d4	(73-121)
VDMC11	(HEX)	= 2-Hexanone-d5	(28-135)
VDMC12	(DXE)	= 1,4-Dioxane-d8	(50-150)
VDMC13	(TCA)	= 1,1,2,2-Tetrachloroethane-d2	(73-125)
VDMC14	(DCZ)	= 1,2-Dichlorobenzene-d4	(80-131)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SOM01.2 (6/2007)

3A - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix Spike - EPA Sample No.: E2251

Instrument ID: V6 GC Column : DB-624 ID: 0.25 (mm)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS %REC	#	QC. LIMITS REC.
1,1-Dichloroethene	50.0000	0.0000	37.5913	75		61-145
Benzene	50.0000	0.0000	40.8689	82		76-127
Trichloroethene	50.0000	1772.7569	1257.5556	-1030	*	71-120
Toluene	50.0000	0.0000	41.1732	82		76-125
Chlorobenzene	50.0000	0.0000	42.6860	85		75-130

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50.0000	35.6930	71		5		14	61-145
Benzene	50.0000	42.0480	84		3		11	76-127
Trichloroethene	50.0000	1410.9333	-724	*	-35	*	14	71-120
Toluene	50.0000	41.0833	82		0		13	76-125
Chlorobenzene	50.0000	43.4048	87		2		13	75-130

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

* Values outside of QC limits

RPD: ~~0~~ 1 out of 5 outside limits

Spike Recovery: 2 out of 10 outside limits

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6Q

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Lab File ID: V6G2036.D Lab Sample ID: MB-39600

Instrument ID: V6

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 11/01/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 12:04

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	E2251	G1912-01A	V6G2040.D	13:55
02	E2251MS	G1912-01AMS	V6G2040A.D	14:22
03	E2252	G1912-02A	V6G2040B.D	14:50
04	E2254	G1912-04A	V6G2043.D	16:12
05	E2255	G1912-05A	V6G2044.D	16:40
06	E2256	G1912-06A	V6G2045.D	17:07
07	E2257	G1912-07A	V6G2046.D	17:35
08	E2258	G1912-08A	V6G2047.D	18:03
09	E2267	G1912-09A	V6G2048.D	18:30
10	E2251DL	G1912-01ADL	V6G2049.D	18:57
11	E2252DL	G1912-02ADL	V6G2050.D	19:25
12	E2253	G1912-03A	V6G2051.D	19:52
13	E2251MSD	G1912-01AMSD	V6G2052.D	20:20

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK6S

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Lab File ID: V6G2080.D Lab Sample ID: MB-39756

Instrument ID: V6

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 11/02/2008

Level: (TRACE or LOW/MED) LOW Time Analyzed: 9:12

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VHBLK6S	VHBLK6S	V6G2092A.D	15:10

COMMENTS:

SOM01.2 (6/2007)

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/01/2008 11/01/2008

EPA Sample No.(VSTD#####): VSTD0506Q Date Analyzed: 11/01/2008

Lab File ID (Standard): V6G2033.D Time Analyzed: 10:42

Instrument ID: V6 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	1707010	9.628	1809796	6.118	887734	12.56
	UPPER LIMIT	3414020	10.128	3619592	6.618	1775468	13.06
	LOWER LIMIT	853505	9.128	904898	5.618	443867	12.06
	EPA SAMPLE NO.						
01	VBLK6Q	1967933	9.633	2117233	6.117	963823	12.566
02	E2251	1265983	9.634	1367510	6.118	587667	12.566
03	E2251MS	1669364	9.629	1767296	6.113	810982	12.562
04	E2252	1251002	9.634	1362909	6.111	565170	12.566
05	E2254	1616506	9.629	1755854	6.112	787818	12.567
06	E2255	1611106	9.633	1749903	6.117	758302	12.565
07	E2256	1094791	9.630	1203170	6.114	503853	12.568
08	E2257	1137138	9.629	1201455	6.119	517945	12.567
09	E2258	1059570	9.628	1144523	6.118	490825	12.566
10	E2267	1111238	9.628	1190002	6.117	511979	12.566
11	E2251DL	1534536	9.627	1652260	6.117	738899	12.566
12	E2252DL	1473251	9.631	1582031	6.114	701429	12.563
13	E2253	1453198	9.627	1565830	6.117	699070	12.565
14	E2251MSD	1292855	9.633	1347345	6.117	594255	12.566

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8A - FORM VIII VOA

VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 11/01/2008 11/01/2008

EPA Sample No.(VSTD#####): VSTD0506S Date Analyzed: 11/02/2008

Lab File ID (Standard): V6G2079.D Time Analyzed: 8:44

Instrument ID: V6 Heated Purge: (Y/N) N

		IS1 (CBZ) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	1036514	9.633	1041259	6.11	558277	12.565
	UPPER LIMIT	2073028	10.133	2082518	6.61	1116554	13.065
	LOWER LIMIT	518257	9.133	520630	5.61	279139	12.065
	EPA SAMPLE NO.						
01	VBLK6S	1265594	9.627	1347668	6.111	597103	12.565
02	VHBLK6S	1161219	9.628	1232365	6.112	546649	12.566

IS1 (CBZ) = Chlorobenzene-d5

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area

AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area

RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT

RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2040.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	8.3	
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	3.2	J
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G1912-01A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2040.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec.

Date Analyzed: 11/01/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	1800	E 5
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	2.3	J
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2251

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G1912-01A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2040.D

Level: (TRACE or LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec.

Date Analyzed: 11/01/2008

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/L

Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251DL

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G1912-01ADL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2049.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec.

Date Analyzed: 11/01/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 16.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	80	U
74-87-3	Chloromethane	80	U
75-01-4	Vinyl chloride	80	U
74-83-9	Bromomethane	80	U
75-00-3	Chloroethane	80	U
75-69-4	Trichlorofluoromethane	80	U
75-35-4	1,1-Dichloroethene	80	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	80	U
67-64-1	Acetone	160	U
75-15-0	Carbon disulfide	80	U
79-20-9	Methyl acetate	80	U
75-09-2	Methylene chloride	80	U
156-60-5	trans-1,2-Dichloroethene	80	U
1634-04-4	Methyl tert-butyl ether	80	U
75-34-3	1,1-Dichloroethane	80	U
156-59-2	cis-1,2-Dichloroethene	80	U
78-93-3	2-Butanone	160	U
74-97-5	Bromochloromethane	80	U
67-66-3	Chloroform	80	U
71-55-6	1,1,1-Trichloroethane	80	U
110-82-7	Cyclohexane	80	U
56-23-5	Carbon tetrachloride	80	U
71-43-2	Benzene	80	U
107-06-2	1,2-Dichloroethane	80	U
123-91-1	1,4-Dioxane	1600	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251DL

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G1912-01ADL

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2049.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec.

Date Analyzed: 11/01/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 16.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2100	D
108-87-2	Methylcyclohexane	80	U
78-87-5	1,2-Dichloropropane	80	U
75-27-4	Bromodichloromethane	80	U
10061-01-5	cis-1,3-Dichloropropene	80	U
108-10-1	4-Methyl-2-pentanone	160	U
108-88-3	Toluene	80	U
10061-02-6	trans-1,3-Dichloropropene	80	U
79-00-5	1,1,2-Trichloroethane	80	U
127-18-4	Tetrachloroethene	80	U
591-78-6	2-Hexanone	160	U
124-48-1	Dibromochloromethane	80	U
106-93-4	1,2-Dibromoethane	80	U
108-90-7	Chlorobenzene	80	U
100-41-4	Ethylbenzene	80	U
179601-23-1	m,p-Xylene	80	U
95-47-6	o-Xylene	80	U
100-42-5	Styrene	80	U
75-25-2	Bromoform	80	U
98-82-8	Isopropylbenzene	80	U
79-34-5	1,1,2,2-Tetrachloroethane	80	U
541-73-1	1,3-Dichlorobenzene	80	U
106-46-7	1,4-Dichlorobenzene	80	U
95-50-1	1,2-Dichlorobenzene	80	U
96-12-8	1,2-Dibromo-3-chloropropane	80	U
120-82-1	1,2,4-Trichlorobenzene	80	U
87-61-6	1,2,3-Trichlorobenzene	80	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2251DL

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2049.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 16.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MS

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01AMS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2040A.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	38	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	6.2	
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	2.1	J
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	41	
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MS

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01AMS

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2040A.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	1300	E J
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	41	
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	43	
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MSD

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01AMSD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2052.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	36	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	6.6	
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	42	
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MSD

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01AMSD

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2052.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	1400	E J
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	41	
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	43	
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2252

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2040B.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	600	E J
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	6.2	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	14	
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	2300	E J
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2252

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G1912-02A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2040B.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec.

Date Analyzed: 11/01/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	330	E J
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2252

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2040B.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2252DL

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-02ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2050.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl chloride	500	D
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U
67-64-1	Acetone	200	U
75-15-0	Carbon disulfide	100	U
79-20-9	Methyl acetate	100	U
75-09-2	Methylene chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-butyl ether	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	1900	D
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon tetrachloride	100	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	100	U
123-91-1	1,4-Dioxane	2000	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2252DL

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-02ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2050.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	250	D
108-87-2	Methylcyclohexane	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-pentanone	200	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	100	U
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
179601-23-1	m,p-Xylene	100	U
95-47-6	o-Xylene	100	U
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-61-6	1,2,3-Trichlorobenzene	100	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2252DL

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-02ADL

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2050.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2253

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2051.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2253

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G1912-03A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2051.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec.

Date Analyzed: 11/01/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	7.7	
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2253

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2051.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2254

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G1912-04A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2043.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec.

Date Analyzed: 11/01/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2254

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2043.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2254

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2043.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2255

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2044.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2255

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2044.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	26	
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2255

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2044.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2256

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2045.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2256

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2045.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2256

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2045.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2257

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2046.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2257

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2046.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2257

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2046.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2258

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2047.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	J
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.2	
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2258

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G1912-08A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2047.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec.

Date Analyzed: 11/01/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	170	
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

1J - FORM I VOA-TIC

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2258

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2047.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2267

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2048.D

Level: (TRACE/LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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

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

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2267

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G1912-09A

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2048.D

Level: (TRACE/LOW/MED) LOW

Date Received: 10/24/2008

% Moisture: not dec.

Date Analyzed: 11/01/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

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

EPA SAMPLE NO.
E2267

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V6G2048.D

Level: (TRACE or LOW/MED) LOW Date Received: 10/24/2008

% Moisture: not dec. Date Analyzed: 11/01/2008

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/L Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6Q

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: MB-39600

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2036.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/01/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6Q

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: MB-39600

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2036.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/01/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

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

EPA SAMPLE NO.
VBLK6Q

Lab Name: MITKEM LABORATORIES
Contract: EP-W-05-030
Lab Code: MITKEM
Case No.: 37971
Mod. Ref No.:
SDG No.: E2251
Matrix: (SOIL/SED/WATER) WATER
Lab Sample ID: MB-39600
Sample wt/vol: 5.00 (g/mL) ML
Lab File ID: V6G2036.D
Level: (TRACE or LOW/MED) LOW
Date Received:
% Moisture: not dec.
Date Analyzed: 11/01/2008
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/L
Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6S

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: MB-39756

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2080.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/02/2008

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

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK6S

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: MB-39756

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2080.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/02/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

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

EPA SAMPLE NO.
VBLK6S

Lab Name: MITKEM LABORATORIES
Contract: EP-W-05-030
Lab Code: MITKEM
Case No.: 37971
Mod. Ref No.:
SDG No.: E2251
Matrix: (SOIL/SED/WATER) WATER
Lab Sample ID: MB-39756
Sample wt/vol: 5.00 (g/mL) ML
Lab File ID: V6G2080.D
Level: (TRACE or LOW/MED) LOW
Date Received:
% Moisture: not dec.
Date Analyzed: 11/02/2008
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/L
Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6S

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: VHBLK6S

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2092A.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/02/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	5.0	U
79-20-9	Methyl acetate	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
110-82-7	Cyclohexane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
123-91-1	1,4-Dioxane	100	U

Report 1,4-Dioxane for Low-Medium VOA analysis only

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VHBLK6S

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: VHBLK6S

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: V6G2092A.D

Level: (TRACE/LOW/MED) LOW

Date Received:

% Moisture: not dec.

Date Analyzed: 11/02/2008

GC Column: DB-624

ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5.0	U
108-87-2	Methylcyclohexane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
179601-23-1	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U

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

EPA SAMPLE NO.
VHBLK6S

Lab Name: MITKEM LABORATORIES
Contract: EP-W-05-030
Lab Code: MITKEM
Case No.: 37971
Mod. Ref No.:
SDG No.: E2251
Matrix: (SOIL/SED/WATER) WATER
Lab Sample ID: VHBLK6S
Sample wt/vol: 5.00 (g/mL) ML
Lab File ID: V6G2092A.D
Level: (TRACE or LOW/MED) LOW
Date Received:
% Moisture: not dec.
Date Analyzed: 11/02/2008
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/L
Purge Volume: 5.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[1]	Total Alkanes	N/A		

[1] EPA-designated Registry Number.

2G - FORM II SV-1

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

	EPA SAMPLE NO.	SDMC1 (PHL) #	SDMC2 (BCE) #	SDMC3 (2CP) #	SDMC4 (4MP) #	SDMC5 (NBZ) #	SDMC6 (2NP) #	SDMC7 (DCP) #	SDMC8 (4CA) #
01	SBLK4Z	93	97	98	97	98	98	90	57
02	E2251	83	84	85	85	86	86	80	65
03	E2251MS	68	68	70	66	72	71	66	53
04	E2251MSD	92	92	94	89	96	94	87	66
05	E2252	79	83	83	58	89	90	78	1 *
06	E2253	86	87	87	93	90	89	85	49
07	E2254	73	75	76	76	76	77	70	53
08	E2255	59	62	62	60	65	63	58	49
09	E2256	53	54	53	53	54	52	50	44
10	E2257	84	91	89	89	93	91	85	51
11	E2258	86	88	88	89	88	88	81	59

			QC LIMITS
SDMC1	(PHL)	= Phenol-d5	(39-106)
SDMC2	(BCE)	= Bis(2-chloroethyl)ether-d8	(40-105)
SDMC3	(2CP)	= 2-Chlorophenol-d4	(41-106)
SDMC4	(4MP)	= 4-Methylphenol-d8	(25-111)
SDMC5	(NBZ)	= Nitrobenzene-d5	(43-108)
SDMC6	(2NP)	= 2-Nitrophenol-d4	(40-108)
SDMC7	(DCP)	= 2,4-Dichlorophenol-d3	(37-105)
SDMC8	(4CA)	= 4-Chloroaniline-d4	(1-145)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

SOM01.2 (6/2007)

2H - FORM II SV-2

WATER SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

	EPA SAMPLE NO.	SDMC9 (DMP) #	SDMC10 (ACY) #	SDMC11 (4NP) #	SDMC12 (FLR) #	SDMC13 (NMP) #	SDMC14 (ANC) #	SDMC15 (PYR) #	SDMC16 (BAP) #	TOT OUT
01	SBLK4Z	98	98	87	92	88	101	92	96	0
02	E2251	86	86	82	81	78	85	82	82	0
03	E2251MS	79	73	80	70	79	83	84	82	0
04	E2251MSD	94	92	91	85	89	94	91	91	0
05	E2252	89	81	86	84	80	69	79	28 *	2
06	E2253	91	91	88	85	83	88	85	86	0
07	E2254	85	81	84	81	80	86	81	81	0
08	E2255	72	67	70	66	69	77	75	55	0
09	E2256	57	56	51	55	44	58	55	54	0
10	E2257	89	91	81	82	79	88	86	87	0
11	E2258	89	88	81	82	77	83	80	79	0

			QC LIMITS
SDMC9	(DMP)	= Dimethylphthalate-d6	(47-114)
SDMC10	(ACY)	= Acenaphthylene-d8	(41-107)
SDMC11	(4NP)	= 4-Nitrophenol-d4	(33-116)
SDMC12	(FLR)	= Fluorene-d10	(42-111)
SDMC13	(NMP)	= 4,6-Dinitro-2-methylphenol-d2	(22-104)
SDMC14	(ANC)	= Anthracene-d10	(44-110)
SDMC15	(PYR)	= Pyrene-d10	(52-119)
SDMC16	(BAP)	= Benzo(a)pyrene-d12	(32-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D DMC diluted out

3C - FORM III SV-1

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix Spike - EPA Sample No.: E2251

Instrument ID: S4 GC Column : DB-5MS ID: 0.25 (mm)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS %REC	#	QC. LIMITS REC.
Phenol	40.0000	0.0000	26.5238	66		12-110
2-Chlorophenol	40.0000	0.0000	27.0328	68		27-123
N-Nitroso-di-n-propylamine	40.0000	0.0000	25.8486	65		41-116
4-Chloro-3-methylphenol	40.0000	0.0000	28.0492	70		23-97
Acenaphthene	40.0000	0.0000	28.3577	71		46-118
4-Nitrophenol	40.0000	0.0000	33.0583	83	*	10-80
2,4-Dinitrotoluene	40.0000	0.0000	31.2993	78		24-96
Pentachlorophenol	40.0000	0.0000	32.3520	81		9-103
Pyrene	40.0000	0.0000	23.3579	58		26-127

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Phenol	40.0000	35.6871	89		29		42	12-110
2-Chlorophenol	40.0000	35.1587	88		26		40	27-123
N-Nitroso-di-n-propylamine	40.0000	32.6177	82		23		38	41-116
4-Chloro-3-methylphenol	40.0000	35.2363	88		23		42	23-97
Acenaphthene	40.0000	34.0654	85		18		31	46-118
4-Nitrophenol	40.0000	36.0573	90	*	9		50	10-80
2,4-Dinitrotoluene	40.0000	35.2761	88		12		38	24-96
Pentachlorophenol	40.0000	35.6258	89		10		50	9-103
Pyrene	40.0000	24.2160	61		4		31	26-127

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

* Values outside of QC limits

RPD: 0 out of 9 outside limits

Spike Recovery: 2 out of 18 outside limits

COMMENTS:

4C - FORM IV SV

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

SBLK4Z

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Lab File ID: S4D0352.D Lab Sample ID: MB-39652

Instrument ID: S4 Date Extracted: 10/29/2008

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 10/31/2008

Level: (LOW/MED) LOW Time Analyzed: 12:53

Extraction: (Type) CONT GPC Cleanup: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2251	G1912-01B	S4D0353.D	10/31/2008
02	E2251MS	G1912-01BMS	S4D0354.D	10/31/2008
03	E2251MSD	G1912-01BMSD	S4D0355.D	10/31/2008
04	E2252	G1912-02B	S4D0356.D	10/31/2008
05	E2253	G1912-03B	S4D0357.D	10/31/2008
06	E2254	G1912-04B	S4D0358.D	10/31/2008
07	E2255	G1912-05B	S4D0359.D	10/31/2008
08	E2256	G1912-06B	S4D0360.D	10/31/2008
09	E2257	G1912-07B	S4D0361.D	10/31/2008
10	E2258	G1912-08B	S4D0362.D	10/31/2008

COMMENTS:

SOM01.2 (6/2007)

8D - FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 10/27/2008 10/27/2008

EPA Sample No.(SSTD020##): SSTD0204D Date Analyzed: 10/31/2008

Lab File ID (Standard): S4D0351.D Time Analyzed: 11:59

Instrument ID: S4

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	17196	6.249	68362	8.63	38696	11.476
	UPPER LIMIT	34392	6.749	136724	9.13	77392	11.976
	LOWER LIMIT	8598	5.749	34181	8.13	19348	10.976
	EPA SAMPLE NO.						
01	SBLK4Z	20412	6.249	81555	8.630	46358	11.476
02	E2251	22366	6.239	89948	8.630	51276	11.466
03	E2251MS	25089	6.249	98129	8.630	55327	11.476
04	E2251MSD	21259	6.249	87119	8.630	51428	11.466
05	E2252	25320	6.249	99686	8.629	56204	11.465
06	E2253	20533	6.239	83354	8.619	49158	11.466
07	E2254	20692	6.239	83270	8.619	48418	11.465
08	E2255	25102	6.239	97138	8.619	53673	11.466
09	E2256	20520	6.239	82014	8.619	48064	11.466
10	E2257	24927	6.249	97188	8.619	53840	11.465
11	E2258	23109	6.239	94213	8.619	53568	11.466

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

8D - FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

GC Column: DB-5MS ID: 0.25 (mm) Init. Calib. Date(s): 10/27/2008 10/27/2008

EPA Sample No.(SSTD020##): SSTD0204D Date Analyzed: 10/31/2008

Lab File ID (Standard): S4D0351.D Time Analyzed: 11:59

Instrument ID: S4

		IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	75803	13.049	99545	15.523	100713	17.624
	UPPER LIMIT	151606	13.549	199090	16.023	201426	18.124
	LOWER LIMIT	37902	12.549	49773	15.023	50357	17.124
	EPA SAMPLE NO.						
01	SBLK4Z	90470	13.049	123483	15.523	124994	17.634
02	E2251	100773	13.049	140258	15.513	141544	17.624
03	E2251MS	101774	13.049	133260	15.523	138080	17.624
04	E2251MSD	95903	13.049	132417	15.513	136121	17.624
05	E2252	109400	13.049	145635	15.512	145124	17.624
06	E2253	95591	13.049	134485	15.513	136446	17.624
07	E2254	97057	13.049	138548	15.512	141991	17.624
08	E2255	98866	13.049	131583	15.513	134391	17.614
09	E2256	96522	13.049	134210	15.513	133575	17.624
10	E2257	99790	13.049	131499	15.512	129481	17.613
11	E2258	102450	13.049	141923	15.513	144148	17.614

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area

AREA LOWER LIMIT = 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0353.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0353.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine [1]	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2251

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0353.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	9.892	5.7	J ~~J~~
	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MS

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0354.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	27	
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	27	
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	26	
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	28	
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	28	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MS

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0354.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	33	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	31	
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine [1]	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	32	
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	23	
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

(1) Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MSD

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0355.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	36	
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	35	
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	33	
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	35	
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	34	

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MSD

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0355.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	36	
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	35	
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine [1]	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	36	
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	24	
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

(1) Cannot be separated from Diphenylamine

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2252

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0356.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2252

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0356.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine [1]	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.2	J
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

(1) Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.
E2252

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0356.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2253

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0357.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2253

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM

Case No.: 37971

Mod. Ref No.:

SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G1912-03B

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

Lab File ID: S4D0357.D

Level: (LOW/MED) LOW

Extraction: (Type) CONT

% Moisture:

Decanted: (Y/N)

Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL)

Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL)

GPC Factor: 1.00

Date Analyzed: 10/31/2008

GPC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine [1]	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.8	J
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2253

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0357.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	9.892	2.2	~~J~~ U
	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2254

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0358.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2254

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0358.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine [1]	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

(1) Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.
E2254

Lab Name: MITKEM LABORATORIES
Contract: EP-W-05-030
Lab Code: MITKEM
Case No.: 37971
Mod. Ref No.:
SDG No.: E2251
Matrix: (SOIL/SED/WATER) WATER
Lab Sample ID: G1912-04B
Sample wt/vol: 1000 (g/mL) ML
Lab File ID: S4D0358.D
Level: (TRACE or LOW/MED) LOW
Extraction: (Type) CONT
% Moisture:
Decanted: (Y/N)
Date Received: 10/24/2008
Concentrated Extract Volume: 1000 (uL)
Date Extracted: 10/29/2008
Injection Volume: 2.0 (uL)
GPC Factor: 1.00
Date Analyzed: 10/31/2008
GPC Cleanup: (Y/N) N
pH:
Dilution Factor: 1.0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	9.892	2.1	~~J~~ U
02		Unknown-02	13.836	96	J
	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2255

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0359.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2255

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0359.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine [1]	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

(1) Cannot be separated from Diphenylamine

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

EPA SAMPLE NO.
E2255

Lab Name: MITKEM LABORATORIES
Contract: EP-W-05-030
Lab Code: MITKEM
Case No.: 37971
Mod. Ref No.:
SDG No.: E2251
Matrix: (SOIL/SED/WATER) WATER
Lab Sample ID: G1912-05B
Sample wt/vol: 1000 (g/mL) ML
Lab File ID: S4D0359.D
Level: (TRACE or LOW/MED) LOW
Extraction: (Type) CONT
% Moisture:
Decanted: (Y/N)
Date Received: 10/24/2008
Concentrated Extract Volume: 1000 (uL)
Date Extracted: 10/29/2008
Injection Volume: 2.0 (uL)
GPC Factor: 1.00
Date Analyzed: 10/31/2008
GPC Cleanup: (Y/N) N
pH:
Dilution Factor: 1.0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2256

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0360.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2256

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0360.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine [1]	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.4	J
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2256

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0360.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2257

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0361.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2257

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0361.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine [1]	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	3.7	J
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2257

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0361.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	9.892	3.4	~~J~~ U
	E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

SOM01.2 (6/2007)

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2258

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0362.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1'-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2258

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0362.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine (1)	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

E2258

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0362.D

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

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 [2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

1D - FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK4Z

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-39652

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0352.D

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

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
100-52-7	Benzaldehyde	5.0	U
108-95-2	Phenol	5.0	U
111-44-4	Bis(2-chloroethyl)ether	5.0	U
95-57-8	2-Chlorophenol	5.0	U
95-48-7	2-Methylphenol	5.0	U
108-60-1	2,2´-Oxybis(1-chloropropane)	5.0	U
98-86-2	Acetophenone	5.0	U
106-44-5	4-Methylphenol	5.0	U
621-64-7	N-Nitroso-di-n-propylamine	5.0	U
67-72-1	Hexachloroethane	5.0	U
98-95-3	Nitrobenzene	5.0	U
78-59-1	Isophorone	5.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	5.0	U
111-91-1	Bis(2-chloroethoxy)methane	5.0	U
120-83-2	2,4-Dichlorophenol	5.0	U
91-20-3	Naphthalene	5.0	U
106-47-8	4-Chloroaniline	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
105-60-2	Caprolactam	5.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	5.0	U
77-47-4	Hexachlorocyclopentadiene	5.0	U
88-06-2	2,4,6-Trichlorophenol	5.0	U
95-95-4	2,4,5-Trichlorophenol	5.0	U
92-52-4	1,1´-Biphenyl	5.0	U
91-58-7	2-Chloronaphthalene	5.0	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	5.0	U
606-20-2	2,6-Dinitrotoluene	5.0	U
208-96-8	Acenaphthylene	5.0	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5.0	U

1E - FORM I SV-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK4Z

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-39652

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0352.D

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

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5.0	U
121-14-2	2,4-Dinitrotoluene	5.0	U
84-66-2	Diethylphthalate	5.0	U
86-73-7	Fluorene	5.0	U
7005-72-3	4-Chlorophenyl-phenylether	5.0	U
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine [1]	5.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5.0	U
101-55-3	4-Bromophenyl-phenylether	5.0	U
118-74-1	Hexachlorobenzene	5.0	U
1912-24-9	Atrazine	5.0	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5.0	U
120-12-7	Anthracene	5.0	U
86-74-8	Carbazole	5.0	U
84-74-2	Di-n-butylphthalate	5.0	U
206-44-0	Fluoranthene	5.0	U
129-00-0	Pyrene	5.0	U
85-68-7	Butylbenzylphthalate	5.0	U
91-94-1	3,3'-Dichlorobenzidine	5.0	U
56-55-3	Benzo(a)anthracene	5.0	U
218-01-9	Chrysene	5.0	U
117-81-7	Bis(2-ethylhexyl)phthalate	5.0	U
117-84-0	Di-n-octylphthalate	5.0	U
205-99-2	Benzo(b)fluoranthene	5.0	U
207-08-9	Benzo(k)fluoranthene	5.0	U
50-32-8	Benzo(a)pyrene	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	U
53-70-3	Dibenzo(a,h)anthracene	5.0	U
191-24-2	Benzo(g,h,i)perylene	5.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	5.0	U

(1) Cannot be separated from Diphenylamine

1K - FORM I SV-TIC

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLK4Z

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-39652

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S4D0352.D

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

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 1000 (uL) Date Extracted: 10/29/2008

Injection Volume: 2.0 (uL) GPC Factor: 1.00 Date Analyzed: 10/31/2008

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown-01	9.892	10	J
	E966796[2]	Total Alkanes	N/A		

[2] EPA-designated Registry Number.

2N - FORM II PEST-1

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLK4L	62	54	66	67			0
02	PLCS4L	61	53	68	68			0
03	E2251	61	55	59	60			0
04	E2251MS	60	54	69	71			0
05	E2251MSD	60	54	58	59			0
06	E2252	60	55	66	68			0
07	E2253	59	53	75	77			0
08	E2254	49	44	50	51			0
09	E2255	61	55	66	67			0
10	E2256	62	56	71	73			0
11	E2257	59	53	63	65			0
12	E2258	59	54	72	74			0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SOM01.2 (6/2007)

3G - FORM III PEST-1

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix Spike - EPA Sample No.: E2251

Instrument ID: E4 GC Column : CLPPest ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS %REC	#	QC. LIMITS REC.
gamma-BHC (Lindane)	0.5000	0.0000	0.2802	56		56-123
Heptachlor	0.5000	0.0000	0.4174	83		40-131
Aldrin	0.5000	0.0000	0.4140	83		40-120
Dieldrin	1.0000	0.0000	0.8667	87		52-126
Endrin	1.0000	0.0000	1.0246	102		56-121
4,4'-DDT	1.0000	0.0000	0.8061	81		38-127

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.5000	0.2757	55	*	2		15	56-123
Heptachlor	0.5000	0.3969	79		5		20	40-131
Aldrin	0.5000	0.3949	79		5		22	40-120
Dieldrin	1.0000	0.8454	85		2		18	52-126
Endrin	1.0000	0.9992	100		3		21	56-121
4,4'-DDT	1.0000	0.7698	77		5		27	38-127

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

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 1 out of 12 outside limits

COMMENTS:

3G - FORM III PEST-1

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix Spike - EPA Sample No.: E2251

Instrument ID: E4 GC Column : CLPPestII ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS %REC	#	QC. LIMITS REC.
gamma-BHC (Lindane)	0.5000	0.0000	0.3038	61		56-123
Heptachlor	0.5000	0.0000	0.4702	94		40-131
Aldrin	0.5000	0.0000	0.4551	91		40-120
Dieldrin	1.0000	0.0000	0.9681	97		52-126
Endrin	1.0000	0.0000	1.0609	106		56-121
4,4´-DDT	1.0000	0.0000	0.8828	88		38-127

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.5000	0.2986	60		2		15	56-123
Heptachlor	0.5000	0.4475	90		5		20	40-131
Aldrin	0.5000	0.4351	87		5		22	40-120
Dieldrin	1.0000	0.9439	94		3		18	52-126
Endrin	1.0000	1.0177	102		4		21	56-121
4,4´-DDT	1.0000	0.8406	84		5		27	38-127

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

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

COMMENTS:

3L - FORM III PEST-3
WATER PESTICIDE LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.

PLCS4L

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Lab Sample ID: LCS-39591 LCS Lot No.: A033876

Date Extracted: 10/27/2008 Date Analyzed (1): 11/07/2008

Instrument ID (1): E4 GC Column(1): CLPPest ID: 0.53 (mm)

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.0500	0.0400	80		50-120
Heptachlor epoxide	0.0500	0.0418	84		50-150
Dieldrin	0.1000	0.0910	91		30-130
4,4'-DDE	0.1000	0.0912	91		50-150
Endrin	0.1000	0.1055	106		50-120
Endosulfan sulfate	0.1000	0.0926	93		50-120
gamma-Chlordane	0.0500	0.0453	91		30-130

Instrument ID (2): E4 GC Column(2): CLPPestII ID: 0.53 (mm)

Date Analyzed (2): 11/07/2008

COMPOUND	AMOUNT ADDED (UG/L)	AMOUNT RECOVERED (UG/L)	%REC	#	QC LIMITS
gamma-BHC (Lindane)	0.0500	0.0433	87		50-120
Heptachlor epoxide	0.0500	0.0437	87		50-150
Dieldrin	0.1000	0.0884	88		30-130
4,4'-DDE	0.1000	0.0843	84		50-150
Endrin	0.1000	0.0971	97		50-120
Endosulfan sulfate	0.1000	0.0921	92		50-120
gamma-Chlordane	0.0500	0.0447	89		30-130

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

LCS Recovery: 0 out of 14 outside limits.

COMMENTS:

4E - FORM IV PEST

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK4L

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Lab File ID: E4E5842F.D / E4E5842R.D Lab Sample ID: MB-39591

Matrix: (SOIL/SED/WATER) WATER Extraction: (Type) SEPF Date Extracted: 10/27/2008

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Date Analyzed (1): 11/07/2008 Date Analyzed (2): 11/07/2008

Time Analyzed (1): 18:53 Time Analyzed (2): 18:53

Instrument ID (1): E4 Instrument ID (2): E4

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	PLCS4L	LCS-39591	11/07/2008	11/07/2008
02	E2251	G1912-01B	11/07/2008	11/07/2008
03	E2251MS	G1912-01BMS	11/07/2008	11/07/2008
04	E2251MSD	G1912-01BMSD	11/07/2008	11/07/2008
05	E2252	G1912-02B	11/07/2008	11/07/2008
06	E2253	G1912-03B	11/07/2008	11/07/2008
07	E2254	G1912-04B	11/07/2008	11/07/2008
08	E2255	G1912-05B	11/07/2008	11/07/2008
09	E2256	G1912-06B	11/07/2008	11/07/2008
10	E2257	G1912-07B	11/07/2008	11/07/2008
11	E2258	G1912-08B	11/07/2008	11/07/2008

COMMENTS:

SOM01.2 (6/2007)

8G - FORM VIII PEST

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

GC Column: CLPPest ID: 0.53 (mm) Init. Calib. Date(s): 11/04/2008 11/04/2008

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.032 DCB: 8.347

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCV4	E4E5693F.D	11/4/2008	14:56	3.036	8.348
02	PEMV4	E4E5694F.D	11/4/2008	15:10	3.034	8.347
03	TOXAPH1V4	E4E5696F.D	11/4/2008	15:38	3.034	8.349
04	TOXAPH2V4	E4E5697F.D	11/4/2008	15:53	3.035	8.349
05	TOXAPH3V4	E4E5698F.D	11/4/2008	16:07	3.031	8.345
06	TOXAPH4V4	E4E5699F.D	11/4/2008	16:21	3.031	8.347
07	TOXAPH5V4	E4E5700F.D	11/4/2008	16:35	3.032	8.347
08	INDC1V4	E4E5701F.D	11/4/2008	16:50	3.033	8.348
09	INDC2V4	E4E5702F.D	11/4/2008	17:04	3.032	8.347
10	INDC3V4	E4E5703F.D	11/4/2008	17:18	3.032	8.347
11	INDC4V4	E4E5704F.D	11/4/2008	17:32	3.032	8.347
12	INDC5V4	E4E5705F.D	11/4/2008	17:46	3.031	8.347
13	PIBLKVA	E4E5706F.D	11/4/2008	18:00	3.031	8.346
14	PEMVA	E4E5707F.D	11/4/2008	18:15	3.031	8.347
15	PIBLKVJ	E4E5814F.D	11/7/2008	11:45	3.045	8.366
16	PEMVJ	E4E5815F.D	11/7/2008	11:59	3.036	8.356
17	PIBLKVK	E4E5833F.D	11/7/2008	16:42	3.028	8.350
18	INDC3VK	E4E5836F.D	11/7/2008	17:25	3.030	8.349
19	ZZZZZ	E4E5837F.D	11/7/2008	17:42	3.033	8.352
20	ZZZZZ	E4E5838F.D	11/7/2008	17:56	3.031	8.350
21	ZZZZZ	E4E5839F.D	11/7/2008	18:10	3.030	8.348
22	ZZZZZ	E4E5840F.D	11/7/2008	18:25	3.030	8.348
23	ZZZZZ	E4E5841F.D	11/7/2008	18:39	3.029	8.348
24	PBLK4L	E4E5842F.D	11/7/2008	18:53	3.032	8.348
25	PLCS4L	E4E5843F.D	11/7/2008	19:07	3.029	8.349
26	E2251	E4E5844F.D	11/7/2008	19:21	3.030	8.349
27	E2251MS	E4E5845F.D	11/7/2008	19:36	3.030	8.348

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)

DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

8G - FORM VIII PEST

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

GC Column: CLPPest ID: 0.53 (mm) Init. Calib. Date(s): 11/04/2008 11/04/2008

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.032 DCB: 8.347

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
28	E2251MSD	E4E5846F.D	11/7/2008	19:50	3.031	8.349
29	E2252	E4E5847F.D	11/7/2008	20:04	3.031	8.347
30	E2253	E4E5848F.D	11/7/2008	20:18	3.031	8.348
31	E2254	E4E5849F.D	11/7/2008	20:33	3.030	8.348
32	E2255	E4E5850F.D	11/7/2008	20:47	3.030	8.348
33	E2256	E4E5851F.D	11/7/2008	21:01	3.030	8.348
34	E2257	E4E5852F.D	11/7/2008	21:15	3.031	8.349
35	E2258	E4E5853F.D	11/7/2008	21:30	3.029	8.349
36	ZZZZZ	E4E5854F.D	11/7/2008	21:44	3.031	8.349
37	PIBLKVL	E4E5855F.D	11/7/2008	21:58	3.032	8.351
38	PEMVL	E4E5856F.D	11/7/2008	22:12	3.032	8.349

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

8G - FORM VIII PEST

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

GC Column: CLPPestII ID: 0.53 (mm) Init. Calib. Date(s): 11/04/2008 11/04/2008

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.595 DCB: 9.658

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	RESCV4	E4E5693R.D	11/4/2008	14:56	3.597	9.661
02	PEMV4	E4E5694R.D	11/4/2008	15:10	3.595	9.659
03	TOXAPH1V4	E4E5696R.D	11/4/2008	15:38	3.594	9.659
04	TOXAPH2V4	E4E5697R.D	11/4/2008	15:53	3.596	9.660
05	TOXAPH3V4	E4E5698R.D	11/4/2008	16:07	3.594	9.658
06	TOXAPH4V4	E4E5699R.D	11/4/2008	16:21	3.593	9.657
07	TOXAPH5V4	E4E5700R.D	11/4/2008	16:35	3.593	9.658
08	INDC1V4	E4E5701R.D	11/4/2008	16:50	3.595	9.658
09	INDC2V4	E4E5702R.D	11/4/2008	17:04	3.595	9.658
10	INDC3V4	E4E5703R.D	11/4/2008	17:18	3.594	9.658
11	INDC4V4	E4E5704R.D	11/4/2008	17:32	3.595	9.657
12	INDC5V4	E4E5705R.D	11/4/2008	17:46	3.594	9.658
13	PIBLKVA	E4E5706R.D	11/4/2008	18:00	3.593	9.658
14	PEMVA	E4E5707R.D	11/4/2008	18:15	3.595	9.658
15	PIBLKVJ	E4E5814R.D	11/7/2008	11:45	3.596	9.675
16	PEMVJ	E4E5815R.D	11/7/2008	11:59	3.597	9.670
17	PIBLKVK	E4E5833R.D	11/7/2008	16:42	3.591	9.662
18	INDC3VK	E4E5836R.D	11/7/2008	17:25	3.593	9.662
19	ZZZZZ	E4E5837R.D	11/7/2008	17:42	3.590	9.663
20	ZZZZZ	E4E5838R.D	11/7/2008	17:56	3.593	9.662
21	ZZZZZ	E4E5839R.D	11/7/2008	18:10	3.593	9.661
22	ZZZZZ	E4E5840R.D	11/7/2008	18:25	3.593	9.660
23	ZZZZZ	E4E5841R.D	11/7/2008	18:39	3.592	9.662
24	PBLK4L	E4E5842R.D	11/7/2008	18:53	3.593	9.661
25	PLCS4L	E4E5843R.D	11/7/2008	19:07	3.593	9.661
26	E2251	E4E5844R.D	11/7/2008	19:21	3.594	9.663
27	E2251MS	E4E5845R.D	11/7/2008	19:36	3.592	9.661

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)

DCB = Decachlorobiphenyl (± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

8G - FORM VIII PEST

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

GC Column: CLPPestII ID: 0.53 (mm) Init. Calib. Date(s): 11/04/2008 11/04/2008

Instrument ID: E4

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, AND LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION

TCX: 3.595 DCB: 9.658

	EPA SAMPLE NO.	LAB File ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
28	E2251MSD	E4E5846R.D	11/7/2008	19:50	3.593	9.662
29	E2252	E4E5847R.D	11/7/2008	20:04	3.593	9.660
30	E2253	E4E5848R.D	11/7/2008	20:18	3.594	9.659
31	E2254	E4E5849R.D	11/7/2008	20:33	3.593	9.661
32	E2255	E4E5850R.D	11/7/2008	20:47	3.593	9.661
33	E2256	E4E5851R.D	11/7/2008	21:01	3.592	9.661
34	E2257	E4E5852R.D	11/7/2008	21:15	3.593	9.660
35	E2258	E4E5853R.D	11/7/2008	21:30	3.592	9.661
36	ZZZZZ	E4E5854R.D	11/7/2008	21:44	3.593	9.662
37	PIBLKVL	E4E5855R.D	11/7/2008	21:58	3.593	9.661
38	PEMVL	E4E5856R.D	11/7/2008	22:12	3.595	9.661

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

Column used to flag RT values with an asterisk.

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5844F.D/E4E5844R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MS(1)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5845F.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.28	
76-44-8	Heptachlor	0.42	
309-00-2	Aldrin	0.41	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.87	
72-55-9	4,4´-DDE	0.095	J
72-20-8	Endrin	1.0	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.81	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MS(2)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5845R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.30	
76-44-8	Heptachlor	0.47	
309-00-2	Aldrin	0.46	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.97	
72-55-9	4,4´-DDE	0.089	J
72-20-8	Endrin	1.1	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.88	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MSD(1)

Lab Name: MITKEM LABORATORIES

Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971

Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER

Lab Sample ID: G1912-01BMSD

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

Lab File ID: E4E5846F.D

% Moisture: Decanted: (Y/N)

Date Received: 10/24/2008

Extraction: (Type) SEPF

Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00

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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.28	
76-44-8	Heptachlor	0.40	
309-00-2	Aldrin	0.39	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.85	
72-55-9	4,4´-DDE	0.092	J
72-20-8	Endrin	1.0	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.77	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MSD(2)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5846R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.30	
76-44-8	Heptachlor	0.45	
309-00-2	Aldrin	0.44	
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.94	
72-55-9	4,4´-DDE	0.086	J
72-20-8	Endrin	1.0	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.84	
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2252

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5847F.D/E4E5847R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2253

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5848F.D/E4E5848R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2254

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5849F.D/E4E5849R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2255

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5850F.D/E4E5850R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2256

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5851F.D/E4E5851R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2257

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5852F.D/E4E5852R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2258

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5853F.D/E4E5853R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK4L

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-39591

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5842F.D/E4E5842R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4´-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS4L(1)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-39591

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5843F.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.040	J
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.042	J
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.091	J
72-55-9	4,4´-DDE	0.091	J
72-20-8	Endrin	0.11	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.093	J
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.045	J
8001-35-2	Toxaphene	5.0	U

1G - FORM I PEST

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PLCS4L(2)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-39591

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E4E5843R.D

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/07/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 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/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.043	J
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.044	J
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.088	J
72-55-9	4,4´-DDE	0.084	J
72-20-8	Endrin	0.097	J
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4´-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.092	J
50-29-3	4,4´-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.045	J
8001-35-2	Toxaphene	5.0	U

2Q - FORM II ARO-1

WATER AROCLOR SURROGATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

GC Column(1): CLPPest ID: 0.53 (mm) GC Column(2): CLPPestII ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	ABLK2D	64	64	73	75			0
02	ALCS2D	60	60	72	73			0
03	E2251	63	64	62	63			0
04	E2251MS	60	64	67	69			0
05	E2251MSD	60	60	64	66			0
06	E2252	60	61	66	68			0
07	E2253	60	61	73	77			0
08	E2254	44	44	54	56			0
09	E2255	54	55	70	73			0
10	E2256	63	66	65	67			0
11	E2257	60	60	62	63			0
12	E2258	52	52	69	71			0

	QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

SOM01.2 (6/2007)

3J - FORM III ARO-1

WATER AROCLOR MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix Spike - EPA Sample No.: E2251

Instrument ID: E2 GC Column : CLPPest ID: 0.53 (mm)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS %REC	#	QC. LIMITS REC.
AR1016	4.0000	0.0000	3.8285	96		29-135
AR1260	4.0000	0.0000	3.8952	97		29-135

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
AR1016	4.0000	3.7499	94		2		15	29-135
AR1260	4.0000	3.7676	94		3		20	29-135

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

* Values outside of QC limits

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

COMMENTS:

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MS(2)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01BMS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2H4512R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.9	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	3.9	
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MSD(1)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2H4513F.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.7	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	3.8	
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

1H - FORM I PEST

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2251MSD(2)

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-01BMSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2H4513R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	3.7	
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	3.8	
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2252

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-02B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2H4514F.D/E2H4514R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2253

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-03B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2H4515F.D/E2H4515R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2254

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-04B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2H4516F.D/E2H4516R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2255

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-05B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2H4517F.D/E2H4517R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2256

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-06B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2H4518F.D/E2H4518R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2257

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-07B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2H4519F.D/E2H4519R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

1H - FORM I ARO

AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

E2258

Lab Name: MITKEM LABORATORIES Contract: EP-W-05-030

Lab Code: MITKEM Case No.: 37971 Mod. Ref No.: SDG No.: E2251

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G1912-08B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: E2H4520F.D/E2H4520R.D

% Moisture: Decanted: (Y/N) Date Received: 10/24/2008

Extraction: (Type) SEPF Date Extracted: 10/27/2008

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/10/2008

Injection Volume: 1.0 (uL) GPC Factor: 1.00 Dilution Factor: 1.0

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

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	1.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
37324-23-5	Aroclor-1262	1.0	U
11100-14-4	Aroclor-1268	1.0	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E2251 CERCLIS No: TBD

Case No: 37971 Site Name/Location: Fostoria Industries (OH)

Contractor or EPA Lab: Mitkem Data User: OEPA

No. of Samples: 9 Date Sampled or Date Received: 18 NOV 08

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ✓ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 9 No. of samples received: ____

Received by: pdavis Date: 18 NOV 08

Received by LSSS: pdavis Date: 24 NOV 08

Review started: 12/16/08 Reviewer Signature: [signature]

Total time spent on review: 11.0 Date review completed: 12/18/08

Copied by: pdavis Date: 8 JAN 09

Mailed to user by: pdavis Date: 8 JAN 09

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: ____

Controlled Document

#~~ESAT5~~-15.00151-pdi/23/09

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 1/22/2009

SUBJECT: Review of Data
Received for review on 11/17/2008

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: OEPA

We have reviewed the data by CADRE for the following case:

SITE NAME: Fostoria Industries (OH)

CASE NUMBER: 37971 SDG NUMBER: ME2251

Number and Type of Samples: 16 samples (8 soils, 8 waters)

Sample Numbers: ME2251-ME2266

Laboratory: Chem Tech Hrs. for Review: 21 + 43

Following are our findings:

CC: Howard Pham
Region 5 TOPO
Mail Code: SRT-4J

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Eight (8) soil samples (numbered ME2259-66) and eight (8) water samples (numbered ME2251-58) were collected October 22-23, 2008. The lab received the samples on October 24, 2008 in good condition. All samples were analyzed for metals and cyanide. All samples were analyzed using the CLP SOW ILM05.4 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. Cyanide analysis was performed using the MIDI Distillation procedure. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES) procedure.

No raw data for percent solids was provided. Percent solids data were presented on a computer generated spreadsheet. Percent solids calculations used by the laboratory were frequently rounded incorrectly. Four out of the eight values reported by the laboratory were rounded up when they should not have been. The incorrectly reported percent solids results can result in low biased sample results. The reported results were corrected on samples ME2261, ME2262, ME2264 and ME2265 by this reviewer.

1. HOLDING TIME:

The inorganic soil samples were reviewed for holding time violations using criteria developed for water samples. No defects were found.

2. CALIBRATIONS:

No defects were found for the calibration or the CRQL standards.

3. BLANKS:

The following inorganic samples are associated with an ICB/CCB or preparation blank concentration which is greater than the method detection limit (MDL). The sample result is greater than the MDL.

Hits less than the CRQL are qualified "U". The sample result is raised to the CRQL. Hits greater than the CRQL but less than 5 times the blank are qualified "U" and reported at the sample value.

Iron

ME2251, ME2252, ME2253, ME2256, ME2257

Mercury

ME2252, ME2253, ME2257, ME2258, ME2259, ME2260, ME2261, ME2262, ME2263, ME2264, ME2265, ME2266

Potassium

ME2253, ME2254, ME2255, ME2256, ME2257, ME2258

No samples were identified as field blanks.

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

The following inorganic samples are associated with a matrix spike recovery which is high (>125%) indicating that sample results may be biased high. The required post spike was performed and results were less than or equal to 125%.

Hits are qualified "J"; non-detects are not qualified.

Lead

ME2251, ME2252, ME2253, ME2254, ME2255, ME2256, ME2257, ME2258

The following inorganic samples are associated with a matrix spike recovery which is low (30-74%) indicating that sample results may be biased low. No post spike was required.

Hits are qualified "J-" and non-detects are qualified "UJ".

Silver

ME2251, ME2252, ME2253, ME2254, ME2255, ME2256, ME2257, ME2258, ME2259, ME2260, ME2261, ME2262, ME2263, ME2264, ME2265, ME2266

No defects were found for the laboratory control samples.

5. LABORATORY AND FIELD DUPLICATE:

No defects were found for the laboratory duplicate samples. No samples were identified as field duplicates.

6. ICP ANALYSIS:

The following inorganic samples are associated with an ICP serial dilution percent difference which is not in control.

Hits are qualified "J" and non-detects are qualified "UJ".

Cobalt

ME2259, ME2260, ME2262, ME2263, ME2264, ME2265, ME2266

Copper

ME2259, ME2260, ME2262, ME2263, ME2264, ME2265, ME2266

Magnesium

ME2251, ME2252, ME2253, ME2254, ME2255, ME2256, ME2257, ME2258

Nickel

ME2259, ME2260, ME2262, ME2263, ME2264, ME2265, ME2266

Sodium

ME2251, ME2252, ME2253, ME2254, ME2255, ME2256, ME2257, ME2258

Zinc

ME2259, ME2260, ME2262, ME2263, ME2264, ME2265, ME2266

The following inorganic sample results are affected by an interference check "A" sample (ICSA) for which false positive concentration values greater than the MDL were obtained. The sample contains Al, Ca, Fe, or Mg at a level comparable to the ICSA.

Hits less than 10 times the value of the ICSA are qualified "J+"; non-detects are not qualified. Hits greater than 10 times the ICSA are not qualified.

Arsenic

ME2259, ME2260, ME2262, ME2263

Beryllium

ME2259, ME2260, ME2262, ME2263, ME2264, ME2265, ME2266

Cadmium

ME2259, ME2260, ME2261, ME2262, ME2263, ME2264, ME2265, ME2266

The following results are affected by an interference check "A" sample (ICSA) for which false negative concentration values greater than the absolute value of the MDL were obtained. The sample contains Al, Ca, Fe or Mg at a level comparable to that of the ICSA.

Hits less than 10 times the absolute value of the ICSA are qualified "J-", non-detects are qualified "UJ". Hits greater than 10 times the ICSA are not qualified.

Chromium
ME2265, ME2266

Copper
ME2266

Nickel
ME2266

7. SAMPLE RESULTS:

The following inorganic samples have analyte concentrations reported above the method detection limit (MDL) but below the quantitation limit (CRQL).

Results are qualified "J".

Aluminum
ME2251, ME2252, ME2253, ME2254, ME2255, ME2256, ME2257, ME2258

Barium
ME2251, ME2252, ME2253, ME2254, ME2255, ME2256, ME2257, ME2258

Beryllium
ME2260

Chromium
ME2251, ME2252, ME2255, ME2258

Cobalt
ME2252, ME2258

Copper
ME2251, ME2252, ME2253, ME2256

Lead
ME2255, ME2256, ME2257

Manganese
ME2253, ME2256, ME2257, ME2258

Nickel
ME2252, ME2254, ME2255

Potassium
ME2251, ME2252

Selenium
ME2251, ME2253

Sodium
ME2259, ME2260, ME2261, ME2262, ME2263, ME2264, ME2265, ME2266

Zinc
ME2251, ME2252, ME2253, ME2254, ME2255, ME2256, ME2257, ME2258

All data, except those qualified above, are acceptable.

Reviewed by: Linda J. Moore
Date: January 22, 2009

CADRE ILM05.4 Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
UJ	The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Analytical Results (Qualified Data)

Case #: 37971 SDG : ME2251
Site : FOSTORIA INDUSTRIES
Lab. : CHEM
Reviewer : L.MOORE
Date : 1/19/2009

Number of Soil Samples : 8
Number of Water Samples : 8

Sample Number :	ME2259		ME2260		ME2261		ME2262		ME2263	
Sampling Location :	SO-01		SO-02		SO-03		SO-04		SO-08	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	10/22/2008		10/22/2008		10/22/2008		10/22/2008		10/22/2008	
Time Sampled :										
%Solids :	82.1		87.5		79.7		79.8		76.7	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	13500		10900		14300		14100		14500	
ANTIMONY	7.3	U	6.9	U	7.5	U	7.4	U	7.8	U
ARSENIC	9.5	J+	5.5	J+	25.8		5.2	J+	3.7	J+
BARIUM	70.7		61.6		87.7		88.3		99.3	
BERYLLIUM	0.62	J+	0.55	J+	1.1		0.79	J+	0.73	J+
CADMIUM	2.4	J+	1.7	J+	3.7	J+	1.9	J+	1.8	J+
CALCIUM	18300		68000		4340		3770		4150	
CHROMIUM	22.0		17.6		23.9		21.7		22.0	
COBALT	10.2	J	13.0	J	20.9	J	13.0	J	9.2	J
COPPER	25.4	J	22.4	J	30.4	J	21.5	J	18.2	J
IRON	29200		22200		47000		23300		22300	
LEAD	10.6		9.9		20.2		14.6		13.8	
MAGNESIUM	11000		12600		4790		4880		5010	
MANGANESE	357		386		443		303		424	
MERCURY	0.12	U	0.11	U	0.13	U	0.13	U	0.13	U
NICKEL	33.4	J	27.3	J	36.0	J	29.2	J	25.0	J
POTASSIUM	1870		1850		1610		1400		1480	
SELENIUM	4.3	U	4.0	U	4.3	U	4.3	U	4.6	U
SILVER	1.2	UJ	1.1	UJ	1.2	UJ	1.2	UJ	1.3	UJ
SODIUM	106	J	125	J	66.9	J	110	J	66.5	J
THALLIUM	3.0	U	2.9	U	3.1	U	3.1	U	3.3	U
VANADIUM	26.4		22.9		49.9		30.1		27.2	
ZINC	71.3	J	60.4	J	101	J	87.3	J	89.1	J
CYANIDE	3.0	U	2.9	U	3.1	U	3.1	U	3.3	U

Analytical Results (Qualified Data)

Case #: 37971
SDG : ME2251
Site : FOSTORIA INDUSTRIES
Lab. : CHEM
Reviewer : L.MOORE
Date : 1/19/2009

Sample Number :	ME2264		ME2265		ME2266					
Sampling Location :	SO-06		SO-07		SO-05					
Matrix :	Soil		Soil		Soil					
Units :	mg/Kg		mg/Kg		mg/Kg					
Date Sampled :	10/22/2008		10/22/2008		10/22/2008					
Time Sampled :										
%Solids :	86.3		81.2		79.2					
Dilution Factor :	1.0		1.0		1.0					
ANALYTE	Result	Flag	Result	Flag	Result	Flag				
ALUMINUM	14000		13200		14900					
ANTIMONY	7.0	U	7.3	U	7.6	U				
ARSENIC	18.1		10.4		6.4					
BARIUM	112		87.4		89.8					
BERYLLIUM	0.82	J+	0.66	J+	0.83	J+				
CADMIUM	3.0	J+	2.7	J+	2.1	J+				
CALCIUM	3710		8550		1930					
CHROMIUM	23.5		22.0	J-	22.1	J-				
COBALT	15.1	J	16.4	J	9.2	J				
COPPER	34.0	J	30.4	J	24.4	J-				
IRON	37600		29400		24600					
LEAD	19.2		13.8		13.9					
MAGNESIUM	5360		7690		6530					
MANGANESE	915		770		188					
MERCURY	0.12	U	0.12	U	0.12	U				
NICKEL	41.9	J	40.3	J	25.7	J-				
POTASSIUM	1550		1850		1510					
SELENIUM	4.1	U	4.3	U	4.4	U				
SILVER	1.2	UJ	1.2	UJ	1.3	UJ				
SODIUM	88.8	J	102	J	62.8	J				
THALLIUM	2.9	U	3.0	U	3.2	U				
VANADIUM	38.8		29.1		32.3					
ZINC	95.0	J	79.3	J	95.2	J				
CYANIDE	2.9	U	3.1	U	3.2	U				

Analytical Results (Qualified Data)

Case #: 37971 SDG : ME2251
Site : FOSTORIA INDUSTRIES
Lab. : CHEM
Reviewer : L.MOORE
Date : 1/19/2009

Sample Number :	ME2251		ME2252		ME2253		ME2254		ME2255	
Sampling Location :	MW-01		MW-02		MW-03		MW-04		MW-05	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	10/22/2008		10/22/2008		10/22/2008		10/23/2008		10/23/2008	
Time Sampled :										
%Solids :	0.0		0.0		0.0		0.0		0.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	50.4	J	36.8	J	23.7	J	24.2	J	33.2	J
ANTIMONY	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U
ARSENIC	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
BARIUM	38.4	J	119	J	99.2	J	90.9	J	56.0	J
BERYLLIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CADMIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CALCIUM	75000		102000		102000		113000		83000	
CHROMIUM	1.1	J	1.2	J	10.0	U	10.0	U	1.8	J
COBALT	50.0	U	1.1	J	50.0	U	50.0	U	50.0	U
COPPER	2.6	J	1.8	J	2.1	J	25.0	U	25.0	U
IRON	100	U	100	U	100	U	3040		1310	
LEAD	10.0	U	20.0	J	10.0	U	10.0	U	4.4	J
MAGNESIUM	33000	J	61200	J	134000	J	67300	J	33500	J
MANGANESE	15.0	U	297		9.4	J	104		15.3	
MERCURY	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
NICKEL	40.0	U	6.2	J	40.0	U	2.3	J	5.3	J
POTASSIUM	4220	J	2120	J	5000	U	5000	U	5000	U
SELENIUM	4.6	J	35.0	U	5.5	J	35.0	U	35.0	U
SILVER	10.0	UJ	10.0	UJ	10.0	UJ	10.0	UJ	10.0	UJ
SODIUM	18800	J	48500	J	48800	J	29700	J	52300	J
THALLIUM	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U
VANADIUM	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
ZINC	16.4	J	19.5	J	8.0	J	16.3	J	7.4	J
CYANIDE	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U

Analytical Results (Qualified Data)

Case #: 37971 SDG : ME2251
Site : FOSTORIA INDUSTRIES
Lab. : CHEM
Reviewer : L.MOORE
Date : 1/19/2009

Sample Number :	ME2256		ME2257		ME2258					
Sampling Location :	MW-06		MW-07		Site Well					
Matrix :	Water		Water		Water					
Units :	ug/L		ug/L		ug/L					
Date Sampled :	10/23/2008		10/23/2008		10/23/2008					
Time Sampled :										
%Solids :	0.0		0.0		0.0					
Dilution Factor :	1.0		1.0		1.0					
ANALYTE	Result	Flag	Result	Flag	Result	Flag				
ALUMINUM	59.0	J	58.7	J	40.3	J				
ANTIMONY	60.0	U	60.0	U	60.0	U				
ARSENIC	10.0	U	10.0	U	10.0	U				
BARIUM	34.0	J	34.0	J	61.3	J				
BERYLLIUM	5.0	U	5.0	U	5.0	U				
CADMIUM	5.0	U	5.0	U	5.0	U				
CALCIUM	82200		82000		103000					
CHROMIUM	10.0	U	10.0	U	2.7	J				
COBALT	50.0	U	50.0	U	2.3	J				
COPPER	1.9	J	25.0	U	25.0	U				
IRON	100	U	100	U	455					
LEAD	4.4	J	4.1	J	10.0	U				
MAGNESIUM	29600	J	29400	J	37100	J				
MANGANESE	2.5	J	2.5	J	13.4	J				
MERCURY	0.20	U	0.20	U	0.20	U				
NICKEL	40.0	U	40.0	U	40.0	U				
POTASSIUM	5000	U	5000	U	5000	U				
SELENIUM	35.0	U	35.0	U	35.0	U				
SILVER	10.0	UJ	10.0	UJ	10.0	UJ				
SODIUM	10200	J	10000	J	75600	J				
THALLIUM	25.0	U	25.0	U	25.0	U				
VANADIUM	50.0	U	50.0	U	50.0	U				
ZINC	10.0	J	5.6	J	13.4	J				
CYANIDE	10.0	U	10.0	U	10.0	U				

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 37971
DAS No:
SDG No: ME2251

L

Date Shipped:	10/23/2008
Carrier Name:	FedEx
Airbill:	8663895865
Shipped to:	ChemTech Consulting Group 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	10/23/08 1200	[signature]	10-24-08 9:30
2		MEMA	
3			
4			

For Lab Use Only

Lab Contract No: EPW06047
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME2251	Monitor Well/ Wendy Vorwerk	L/G	CLP-CN (21), TM (21)	5C97222 (NaOH), 5C97223 (HNO3) (2)	MW-01	S: 10/22/2008 17:10	E2251	
ME2252	Monitor Well/ Wendy Vorwerk	L/G	CLP-CN (21), TM (21)	5C97229 (HNO3), 5C97230 (NaOH) (2)	MW-02	S: 10/22/2008 15:00	E2252	
ME2253	Monitor Well/ Wendy Vorwerk	L/G	CLP-CN (21), TM (21)	5C97240 (NaOH), 5C97241 (HNO3) (2)	MW-03	S: 10/22/2008 12:30	E2253	
ME2254	Monitor Well/ Wendy Vorwerk	L/G	CLP-CN (21), TM (21)	5C97249 (HNO3), 5C97250 (NaOH) (2)	MW-04	S: 10/23/2008 16:30	E2254	
ME2255	Monitor Well/ Wendy Vorwerk	L/G	CLP-CN (21), TM (21)	5C97259 (NaOH), 5C97260 (HNO3) (2)	MW-05	S: 10/23/2008 12:00	E2255	
ME2256	Monitor Well/ Wendy Vorwerk	L/G	CLP-CN (21), TM (21)	5C97270 (NaOH), 5C97271 (HNO3) (2)	MW-06	S: 10/23/2008 11:00	E2256	
ME2257	Monitor Well/ Wendy Vorwerk	L/G	CLP-CN (21), TM (21)	5C97281 (NaOH), 5C97282 (HNO3) (2)	MW-07	S: 10/23/2008 11:30	E2257	
ME2258	Monitor Well/ Wendy Vorwerk	L/G	CLP-CN (21), TM (21)	5C97292 (NaOH), 5C97293 (HNO3) (2)	Site Well	S: 10/23/2008 15:00	E2258	
ME2259	Soil/Sediment/ Wendy Vorwerk	L/G	TM/CN (21)	5C97303 (Ice Only) (1)	SO-01	S: 10/22/2008 11:30	E2259	
ME2260	Soil/Sediment/ Wendy Vorwerk	L/G	TM/CN (21)	5C97307 (Ice Only) (1)	SO-02	S: 10/22/2008 12:00	E2260	

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	ME2251, ME2259		4 c	107263-64

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G

Custody Seal Intact? Y Shipment Iced? Y

CLP-CN = CLP TAL CN, TM = CLP TAL Total Metals, TM/CN = CLP TAL Total Metals and Cyanide

TR Number: 5-043013577-102308-0007

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	37971
DAS No:	
SDG No:	ME2251

L

Date Shipped:	10/23/2008
Carrier Name:	FedEx
Airbill:	8663895865
Shipped to:	ChemTech Consulting Group 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1	10/23/08 1700	Sampler Signature:	10-24-08 9:30
2			
3			
4			

For Lab Use Only

Lab Contract No:	EPW06047
Unit Price:	
Transfer To:	
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME2261	Soil/Sediment/ Wendy Vorwerk	L/G	TM/CN (21)	5C97311 (Ice Only) (1)	SO-03	S: 10/22/2008	14:30	E2261	
ME2262	Soil/Sediment/ Wendy Vorwerk	L/G	TM/CN (21)	5C97315 (Ice Only) (1)	SO-04	S: 10/22/2008	15:00	E2262	
ME2263	Soil/Sediment/ Wendy Vorwerk	L/G	TM/CN (21)	5C97319 (Ice Only) (1)	SO-08	S: 10/22/2008	15:10	E2263	
ME2264	Soil/Sediment/ Wendy Vorwerk	L/G	TM/CN (21)	5C97323 (Ice Only) (1)	SO-06	S: 10/22/2008	16:00	E2264	
ME2265	Soil/Sediment/ Wendy Vorwerk	L/G	TM/CN (21)	5C97327 (Ice Only) (1)	SO-07	S: 10/22/2008	16:10	E2265	
ME2266	Soil/Sediment/ Wendy Vorwerk	L/G	TM/CN (21)	5C97331 (Ice Only) (1)	SO-05	S: 10/22/2008	15:30	E2266	

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC: ME2251, ME2259	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 4°C	Chain of Custody Seal Number: 107263-64
Analysis Key: CLP-CN = CLP TAL CN, TM = CLP TAL Total Metals, TM/CN = CLP TAL Total Metals and Cyanide	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

TR Number: 5-043013577-102308-0007

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # ME2251
CASE # 37971
CONTRACT # EPW06047
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM
CHEMTECH PROJECT #Z5130

A. Number of Samples and Date of Receipt

8 Soil & 8 Water Samples were delivered to the laboratory intact on 10/24/08.

B. Parameters

Test requested for Metals CLP Full (by ICP-AES), Hg & CN.

C. Cooler Temp

Indicator Bottle: **Presence**/Absence
Cooler: 4°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

E. Corrective Action taken for above:

F. Analytical Techniques:

All analyses were based on CLP Methodology by method ILM05.4

G. Calculation:

Calculation example for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

Results reported in Mg/Kg = (Result in mg/L or ppm for ICP-AES) X 1000 X Fraction of % Solid (100/ % Solid) X Dilution Factor (if any) X Fraction of Sample Amount Taken in ICP-Soil Prep.

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Mountainside, NJ 07092

Example of Fraction of Sample Amount Taken in ICP-AES Soil Prep = 1/10 (1.0 X10 or 0.50 X 20)
(if 1.0 g of sample taken during Digestion and the Final Volume was made to 100 ml or 0.5 g to Final Volume 50ml)
Or
Example of Fraction of Sample Amount Taken in ICP-AES Soil Prep = 1/10.2 (1.02 X 10 or 0.51 X 20)
(if 1.02 g of sample taken during Digestion and the Final Volume was made to 100 ml or 0.51 g to Final Volume 50ml)
Etc.

Calculation example for Hg Soil Sample:

Conversion of Results from ppb to mg/kg (Dry Weight Basis):

Results reported in Mg/Kg = (Result in ppb for Hg) X Fraction of % Solid (100/ % Solid) X Dilution Factor (if any) X Fraction of Sample Amount Taken in Prep.

Example of Fraction of Sample Amount Taken in Hg Soil Prep = 1/ 2 (0.2 X 10)
(if 0.2 g of sample taken during Digestion and the Final Volume was made to 100 ml)
Or
Example of Fraction of Sample Amount Taken in Hg Soil Prep = 1 / 2.1 (0.21 X 10)
(if 0.21 g of sample taken during Digestion and the Final Volume was made to 100 ml)
Etc.

Calculation example for CN Soil Sample:

Conversion of Results from Ug/L to mg/kg (Dry Weight Basis):

Results reported in Mg/Kg = (Result in Ug/L for CN) X Fraction of % Solid (100/ % Solid) X Dilution Factor (if any) X Fraction of Sample Amount Taken in Prep.

Example of Fraction of Sample Amount Taken in CN Soil Prep = 1/20 (1 X 20)
(if 1.0 g of sample taken during Digestion and the Final Volume was made to 50 ml)
Or

Example of Fraction of Sample Amount Taken in Hg Soil Prep = 1 / 20.2 (1.01 X 20)
(if 1.01 g of sample taken during Digestion and the Final Volume was made to 50 ml)
Etc.

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Mountainside, NJ 07092

***Calculation example for ICP-AES Water Sample*:**

Results reported in Ug/L = Results in ppm X 1000 X Dilution Factor (if any) X Fraction of Sample Amount Taken in ICP Water- Prep

Fraction of Sample Amount Taken in ICP Water- Prep = 100/100 or 50/50 =1
(if 100 ml Initial Volume taken and Final Volume was made to 100 ml or 50 ml Initial Volume and Final Volume made to 50 ml in ICP-AES Water Digestion procedure)

***Calculation example for Hg Water Sample*:**

Results reported in Ug/L = Results in ppb X Dilution Factor (if any) X Fraction of Sample Amount Taken in Water Hg-Prep.

Fraction of Sample Amount Taken in Water Hg-Prep = 100/100 =1
(if 100 ml Initial Volume taken and made it to Final Volume as 100 ml)

***Calculation example for CN Water Sample*:**

Results reported in Ug/L = Results in Ug/L X Dilution Factor (if any) X Fraction of Sample Amount Taken in Water CN-Prep.

Fraction of Sample Amount Taken in Water CN-Prep = 50/50 =1
(if 50 ml Initial Volume taken and made it to Final Volume as 50 ml)

H. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements except for Silver and Lead. Duplicate sample did meet requirements. Serial Dilution did meet requirements except Magnesium & Sodium.

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature_____ Name: Parveen Hasan

Date 11/13/08 Title: Project Manager

NOV 17 2008

USEPA - CLP

COVER PAGE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

SOW No.: ILM05.4

EPA Sample No.	Lab Sample ID
ME2251	Z5130-01
ME2251D	Z5130-02
ME2251S	Z5130-03
ME2252	Z5130-04
ME2253	Z5130-05
ME2254	Z5130-06
ME2255	Z5130-07
ME2256	Z5130-08
ME2257	Z5130-09
ME2258	Z5130-10
ME2259	Z5130-11
ME2259D	Z5130-12
ME2259S	Z5130-13
ME2260	Z5130-14
ME2261	Z5130-15
ME2262	Z5130-16
ME2263	Z5130-17
ME2264	Z5130-18
ME2265	Z5130-19
ME2266	Z5130-20

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	

Comments:

THE "E" QUALIFIERS ON FORM I AND VIII FOR MAGNESIUM, SODIUM, COBALT, COPPER, NICKEL AND ZINC INDICATE CHEMICAL OR PHYSICAL INTERFERENCE EFFECTS, WHICH WERE SUSPECTED DURING THOSE ELEMENTS'

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: PARVEEN HASAN

Date: 11/13/08 Title: EPA PROJECT MANAGER

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2251

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) WATER Lab Sample ID: Z5130-01

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	50.4	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	38.4	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	75000			P
7440-47-3	Chromium	1.1	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	2.6	J		P
7439-89-6	Iron	44.4	J		P
7439-92-1	Lead	10.0	U	N	P
7439-95-4	Magnesium	33000		E	P
7439-96-5	Manganese	15.0	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	4220	J		P
7782-49-2	Selenium	4.6	J		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	18800		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	16.4	J		P
57-12-5	Cyanide	10.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2252

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) WATER Lab Sample ID: Z5130-04

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	36.8	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	119	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	102000			P
7440-47-3	Chromium	1.2	J		P
7440-48-4	Cobalt	1.1	J		P
7440-50-8	Copper	1.8	J		P
7439-89-6	Iron	66.2	J		P
7439-92-1	Lead	20.0		N	P
7439-95-4	Magnesium	61200		E	P
7439-96-5	Manganese	297			P
7439-97-6	Mercury	0.052	J		CV
7440-02-0	Nickel	6.2	J		P
7440-09-7	Potassium	2120	J		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	48500		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	19.5	J		P
57-12-5	Cyanide	10.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2253

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: SDG No.: ME2251

Matrix: (soil/water) WATER Lab Sample ID: Z5130-05

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23.7	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	99.2	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	102000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	2.1	J		P
7439-89-6	Iron	64.8	J		P
7439-92-1	Lead	10.0	U	N	P
7439-95-4	Magnesium	134000		E	P
7439-96-5	Manganese	9.4	J		P
7439-97-6	Mercury	0.080	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	2260	J		P
7782-49-2	Selenium	5.5	J		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	48800		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	8.0	J		P
57-12-5	Cyanide	10.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2254

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) WATER Lab Sample ID: Z5130-06

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24.2	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	90.9	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	113000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	3040			P
7439-92-1	Lead	10.0	U	N	P
7439-95-4	Magnesium	67300		E	P
7439-96-5	Manganese	104			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.3	J		P
7440-09-7	Potassium	2520	J		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	29700		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	16.3	J		P
57-12-5	Cyanide	10.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2255

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) WATER Lab Sample ID: Z5130-07

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	33.2	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	56.0	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	83000			P
7440-47-3	Chromium	1.8	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	1310			P
7439-92-1	Lead	4.4	J	N	P
7439-95-4	Magnesium	33500		E	P
7439-96-5	Manganese	15.3			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.6	J		P
7440-09-7	Potassium	3440	J		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	52300		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	7.4	J		P
57-12-5	Cyanide	10.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2256

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) WATER Lab Sample ID: Z5130-08

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	59.0	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	34.0	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	82200			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	1.9	J		P
7439-89-6	Iron	54.1	J		P
7439-92-1	Lead	4.3	J	N	P
7439-95-4	Magnesium	29600		E	P
7439-96-5	Manganese	2.5	J		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	1460	J		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	10200		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	10.0	J		P
57-12-5	Cyanide	10.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2257

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) WATER Lab Sample ID: Z5130-09

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	58.7	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	34.0	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	82000			P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	87.9	J		P
7439-92-1	Lead	4.1	J	N	P
7439-95-4	Magnesium	29400		E	P
7439-96-5	Manganese	2.5	J		P
7439-97-6	Mercury	0.051	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	1470	J		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	10000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	5.6	J		P
57-12-5	Cyanide	10.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2258

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) WATER Lab Sample ID: Z5130-10

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 0.0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	40.3	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	61.2	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	103000			P
7440-47-3	Chromium	2.7	J		P
7440-48-4	Cobalt	2.3	J		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	455			P
7439-92-1	Lead	10.0	U	N	P
7439-95-4	Magnesium	37100		E	P
7439-96-5	Manganese	13.4	J		P
7439-97-6	Mercury	0.082	J		CV
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	4100	J		P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U	N	P
7440-23-5	Sodium	75600		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	13.4	J		P
57-12-5	Cyanide	10.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2259

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) SOIL Lab Sample ID: Z5130-11

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 82.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13500			P
7440-36-0	Antimony	7.3	U		P
7440-38-2	Arsenic	9.5			P
7440-39-3	Barium	70.7			P
7440-41-7	Beryllium	0.62			P
7440-43-9	Cadmium	2.4			P
7440-70-2	Calcium	18300			P
7440-47-3	Chromium	22.0			P
7440-48-4	Cobalt	10.2		E	P
7440-50-8	Copper	25.4		E	P
7439-89-6	Iron	29200			P
7439-92-1	Lead	10.6			P
7439-95-4	Magnesium	11000			P
7439-96-5	Manganese	357			P
7439-97-6	Mercury	0.040	J		CV
7440-02-0	Nickel	33.4		E	P
7440-09-7	Potassium	1870			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	106	J		P
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	26.4			P
7440-66-6	Zinc	71.3		E	P
57-12-5	Cyanide	3.0	U		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2260

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) SOIL Lab Sample ID: Z5130-14

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 87.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10900			P
7440-36-0	Antimony	6.9	U		P
7440-38-2	Arsenic	5.5			P
7440-39-3	Barium	61.6			P
7440-41-7	Beryllium	0.55	J		P
7440-43-9	Cadmium	1.7			P
7440-70-2	Calcium	68000			P
7440-47-3	Chromium	17.6			P
7440-48-4	Cobalt	13.0		E	P
7440-50-8	Copper	22.4		E	P
7439-89-6	Iron	22200			P
7439-92-1	Lead	9.9			P
7439-95-4	Magnesium	12600			P
7439-96-5	Manganese	386			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	27.3		E	P
7440-09-7	Potassium	1850			P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	125	J		P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	22.9			P
7440-66-6	Zinc	60.4		E	P
57-12-5	Cyanide	2.9	U		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2261

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) SOIL Lab Sample ID: Z5130-15

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 79.8

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14300			P
7440-36-0	Antimony	7.4	U		P
7440-38-2	Arsenic	25.7			P
7440-39-3	Barium	87.6			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	3.7			P
7440-70-2	Calcium	4340			P
7440-47-3	Chromium	23.9			P
7440-48-4	Cobalt	20.9		E	P
7440-50-8	Copper	30.3		E	P
7439-89-6	Iron	47000			P
7439-92-1	Lead	20.2			P
7439-95-4	Magnesium	4780			P
7439-96-5	Manganese	443			P
7439-97-6	Mercury	0.041	J		CV
7440-02-0	Nickel	36.0		E	P
7440-09-7	Potassium	1610			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	66.8	J		P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	49.8			P
7440-66-6	Zinc	101		E	P
57-12-5	Cyanide	3.1	U		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2262

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) SOIL Lab Sample ID: Z5130-16

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 79.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14100			P
7440-36-0	Antimony	7.4	U		P
7440-38-2	Arsenic	5.2			P
7440-39-3	Barium	88.2			P
7440-41-7	Beryllium	0.79			P
7440-43-9	Cadmium	1.9			P
7440-70-2	Calcium	3760			P
7440-47-3	Chromium	21.7			P
7440-48-4	Cobalt	13.0		E	P
7440-50-8	Copper	21.5		E	P
7439-89-6	Iron	23300			P
7439-92-1	Lead	14.6			P
7439-95-4	Magnesium	4880			P
7439-96-5	Manganese	302			P
7439-97-6	Mercury	0.031	J		CV
7440-02-0	Nickel	29.1		E	P
7440-09-7	Potassium	1400			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	110	J		P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	30.0			P
7440-66-6	Zinc	87.3		E	P
57-12-5	Cyanide	3.1	U		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

IA-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2263

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) SOIL Lab Sample ID: Z5130-17

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 76.7

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14500			P
7440-36-0	Antimony	7.8	U		P
7440-38-2	Arsenic	3.7			P
7440-39-3	Barium	99.3			P
7440-41-7	Beryllium	0.73			P
7440-43-9	Cadmium	1.8			P
7440-70-2	Calcium	4150			P
7440-47-3	Chromium	22.0			P
7440-48-4	Cobalt	9.2		E	P
7440-50-8	Copper	18.2		E	P
7439-89-6	Iron	22300			P
7439-92-1	Lead	13.8			P
7439-95-4	Magnesium	5010			P
7439-96-5	Manganese	424			P
7439-97-6	Mercury	0.051	J		CV
7440-02-0	Nickel	25.0		E	P
7440-09-7	Potassium	1480			P
7782-49-2	Selenium	4.6	U		P
7440-22-4	Silver	1.3	U	N	P
7440-23-5	Sodium	66.5	J		P
7440-28-0	Thallium	3.3	U		P
7440-62-2	Vanadium	27.2			P
7440-66-6	Zinc	89.1		E	P
57-12-5	Cyanide	3.3	U		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2264

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) SOIL Lab Sample ID: Z5130-18

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 86.4

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14000			P
7440-36-0	Antimony	6.9	U		P
7440-38-2	Arsenic	18.0			P
7440-39-3	Barium	111			P
7440-41-7	Beryllium	0.82			P
7440-43-9	Cadmium	3.0			P
7440-70-2	Calcium	3700			P
7440-47-3	Chromium	23.5			P
7440-48-4	Cobalt	15.1		E	P
7440-50-8	Copper	34.0		E	P
7439-89-6	Iron	37600			P
7439-92-1	Lead	19.2			P
7439-95-4	Magnesium	5360			P
7439-96-5	Manganese	914			P
7439-97-6	Mercury	0.046	J		CV
7440-02-0	Nickel	41.9		E	P
7440-09-7	Potassium	1550			P
7782-49-2	Selenium	4.1	U		P
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	89.9	J		P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	38.8			P
7440-66-6	Zinc	94.9		E	P
57-12-5	Cyanide	2.9	U		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2265

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) SOIL Lab Sample ID: Z5130-19

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 81.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13200			P
7440-36-0	Antimony	7.3	U		P
7440-38-2	Arsenic	10.4			P
7440-39-3	Barium	87.3			P
7440-41-7	Beryllium	0.66			P
7440-43-9	Cadmium	2.7			P
7440-70-2	Calcium	8540			P
7440-47-3	Chromium	22.0			P
7440-48-4	Cobalt	16.4		E	P
7440-50-8	Copper	30.4		E	P
7439-89-6	Iron	29400			P
7439-92-1	Lead	13.8			P
7439-95-4	Magnesium	7690			P
7439-96-5	Manganese	769			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	40.3		E	P
7440-09-7	Potassium	1840			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	1.2	U	N	P
7440-23-5	Sodium	102	J		P
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	29.0			P
7440-66-6	Zinc	79.2		E	P
57-12-5	Cyanide	3.1	U		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2266

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) SOIL Lab Sample ID: Z5130-20

Level: (low/med) LOW Date Received: 10/24/2008

% Solids: 79.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14900			P
7440-36-0	Antimony	7.6	U		P
7440-38-2	Arsenic	6.4			P
7440-39-3	Barium	89.8			P
7440-41-7	Beryllium	0.83			P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	1930			P
7440-47-3	Chromium	22.1			P
7440-48-4	Cobalt	9.2		E	P
7440-50-8	Copper	24.4		E	P
7439-89-6	Iron	24600			P
7439-92-1	Lead	13.9			P
7439-95-4	Magnesium	6530			P
7439-96-5	Manganese	188			P
7439-97-6	Mercury	0.068	J		CV
7440-02-0	Nickel	25.7		E	P
7440-09-7	Potassium	1510			P
7782-49-2	Selenium	4.4	U		P
7440-22-4	Silver	1.3	U	N	P
7440-23-5	Sodium	62.8	J		P
7440-28-0	Thallium	3.2	U		P
7440-62-2	Vanadium	32.3			P
7440-66-6	Zinc	95.2		E	P
57-12-5	Cyanide	3.2	U		AS

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW Clarity After: _____ Artifacts: _____

Comments:

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	200.000	U	200.000	U	200.000	U	200.000	U	0.813	J	P
Antimony	60.000	U	60.000	U	60.000	U	60.000	U	6.000	U	P
Arsenic	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Barium	200.000	U	200.000	U	200.000	U	2.775	J	20.000	U	P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U	0.500	U	P
Cadmium	5.000	U	5.000	U	5.000	U	5.000	U	0.500	U	P
Calcium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.000	U	P
Chromium	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Cobalt	50.000	U	50.000	U	50.000	U	50.000	U	5.000	U	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	2.500	U	P
Iron	5.135	J	6.000	J	7.395	J	10.520	J	0.863	J	P
Lead	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.000	U	P
Manganese	15.000	U	15.000	U	15.000	U	15.000	U	1.500	U	P
Mercury	0.061	J	0.200	U	0.200	U	0.200	U	0.100	U	CV
Nickel	40.000	U	40.000	U	40.000	U	40.000	U	4.000	U	P
Potassium	-85.345	J	-47.080	J	5000.000	U	5000.000	U	500.000	U	P
Selenium	35.000	U	35.000	U	35.000	U	35.000	U	3.500	U	P
Silver	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Sodium	-53.750	J	5000.000	U	5000.000	U	5000.000	U	-2.861	J	P
Thallium	25.000	U	25.000	U	2.460	J	25.000	U	2.500	U	P
Vanadium	50.000	U	50.000	U	50.000	U	50.000	U	5.000	U	P
Zinc	60.000	U	60.000	U	60.000	U	60.000	U	6.000	U	P
Cyanide	10.000	U	10.000	U	10.000	U	10.000	U	2.500	U	AS

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum			200.000	U	200.000	U	200.000	U	200.000	U	P
Antimony			60.000	U	60.000	U	60.000	U	60.000	U	P
Arsenic			10.000	U	10.000	U	10.000	U	10.000	U	P
Barium			200.000	U	200.000	U	4.050	J	200.000	U	P
Beryllium			5.000	U	5.000	U	5.000	U	5.000	U	P
Cadmium			5.000	U	5.000	U	5.000	U	5.000	U	P
Calcium			5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Chromium			10.000	U	10.000	U	10.000	U	10.000	U	P
Cobalt			50.000	U	50.000	U	50.000	U	50.000	U	P
Copper			25.000	U	25.000	U	25.000	U	25.000	U	P
Iron			8.095	J	8.750	J	5.095	J	15.740	J	P
Lead			10.000	U	10.000	U	10.000	U	10.000	U	P
Magnesium			5000.000	U	5000.000	U	5000.000	U	5000.000	U	P
Manganese			15.000	U	15.000	U	15.000	U	15.000	U	P
Mercury			0.200	U					0.096	J	CV
Nickel			40.000	U	40.000	U	40.000	U	40.000	U	P
Potassium			5000.000	U	5000.000	U	77.165	J	5000.000	U	P
Selenium			35.000	U	35.000	U	35.000	U	35.000	U	P
Silver			10.000	U	10.000	U	10.000	U	10.000	U	P
Sodium			-36.955	J	-27.385	J	359.555	J	-27.635	J	P
Thallium			25.000	U	25.000	U	25.000	U	25.000	U	P
Vanadium			50.000	U	50.000	U	50.000	U	50.000	U	P
Zinc			60.000	U	60.000	U	60.000	U	60.000	U	P
Cyanide			10.000	U					10.000	U	AS

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or mg/kg):_____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum			200.000	U							P
Antimony			60.000	U							P
Arsenic			10.000	U							P
Barium			200.000	U							P
Beryllium			5.000	U							P
Cadmium			5.000	U							P
Calcium			5000.000	U							P
Chromium			10.000	U							P
Cobalt			50.000	U							P
Copper			25.000	U							P
Iron			100.000	U							P
Lead			10.000	U							P
Magnesium			5000.000	U							P
Manganese			15.000	U							P
Mercury	0.200	U	0.200	U	0.074	J	0.200	U			CV
Nickel			40.000	U							P
Potassium			5000.000	U							P
Selenium			35.000	U							P
Silver			10.000	U							P
Sodium			-43.535	J							P
Thallium			25.000	U							P
Vanadium			50.000	U							P
Zinc			60.000	U							P
Cyanide											NR

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or mg/kg):_____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead	10.000	U	10.000	U	10.000	U	10.000	U			P
Magnesium											NR
Manganese											NR
Mercury			0.200	U	0.101	J	0.200	U			CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or mg/kg):_____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead			10.000	U	10.000	U	10.000	U			P
Magnesium											NR
Manganese											NR
Mercury			0.200	U	0.200	U	0.145	J			CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

USEPA - CLP

3-IN
BLANKS

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Preparation Blank Matrix (soil/water):_____

Preparation Blank Concentration Units (ug/L or mg/kg):_____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead			10.000	U	10.000	U	10.000	U			P
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide											NR

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

ICP-AES Instrument ID: P4 ICS Source: EPA0503-0203

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	244000	241000	203000	83	232000	96	213000	87	238000	99
Antimony	0	589	1.3		581	99	-1.2		588	100
Arsenic	0	101	9.3		95.7	95	2.9		102	101
Barium	2.0	495	2.2	110	531	107	4.4	220	530	107
Beryllium	0	475	0.75		479	101	0.84		514	108
Cadmium	0	940	6.6		909	97	6.5		968	103
Calcium	235000	231000	210000	89	243000	105	226000	96	257000	111
Chromium	43.0	511	37.1	86	495	97	39.4	92	531	104
Cobalt	4.0	461	4.0	100	452	98	4.0	100	478	104
Copper	23.0	548	17.9	78	477	87	21.3	93	500	91
Iron	95600	94800	82800	87	94500	100	86900	91	98300	104
Lead	10.0	61.0	10.1	101	57.8	95	10.5	105	61.3	100
Magnesium	248000	251000	220000	89	251000	100	231000	93	262000	104
Manganese	19.0	502	17.6	93	505	101	18.8	99	529	105
Nickel	21.0	984	17.1	81	938	95	18.3	87	999	102
Potassium	0	0	92.3		-57.1		136		38.5	
Selenium	0	53.0	-0.49		52.2	98	-1.5		53.6	101
Silver	0	206	0.12		178	86	-0.015		188	91
Sodium	0	0	766		809		799		828	
Thallium	0	103	2.5		91.5	89	0.94		97.8	95
Vanadium	0	494	2.2		476	96	2.1		495	100
Zinc	28.0	1030	26.4	94	905	88	29.8	106	984	96

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

ICP-AES Instrument ID: P4 ICS Source: EPA0503-0203

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	244000	241000					216000	89	239000	99
Antimony	0	589					-1.4		595	101
Arsenic	0	101					4.1		104	103
Barium	2.0	495					4.6	230	526	106
Beryllium	0	475					0.95		512	108
Cadmium	0	940					6.6		965	103
Calcium	235000	231000					231000	98	255000	110
Chromium	43.0	511					40.2	93	540	106
Cobalt	4.0	461					4.2	105	478	104
Copper	23.0	548					21.9	95	499	91
Iron	95600	94800					87700	92	97400	103
Lead	10.0	61.0					10.8	108	60.5	99
Magnesium	248000	251000					235000	95	262000	104
Manganese	19.0	502					18.8	99	522	104
Nickel	21.0	984					18.8	90	994	101
Potassium	0	0					215		46.5	
Selenium	0	53.0					-3.8		53.3	101
Silver	0	206					-0.17		189	92
Sodium	0	0					787		812	
Thallium	0	103					1.5		97.4	95
Vanadium	0	494					2.1		494	100
Zinc	28.0	1030					30.8	110	983	95

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

ICP-AES Instrument ID: P4 ICS Source: EPA0503-0203

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	244000	241000					237000	97	239000	99
Antimony	0	589					-0.98		601	102
Arsenic	0	101					3.9		104	103
Barium	2.0	495					3.5	175	524	106
Beryllium	0	475					0.61		516	109
Cadmium	0	940					6.6		991	105
Calcium	235000	231000					259000	110	261000	113
Chromium	43.0	511					43.3	101	535	105
Cobalt	4.0	461					3.8	95	487	106
Copper	23.0	548					22.8	99	503	92
Iron	95600	94800					99500	104	101000	107
Lead	10.0	61.0					10.7	107	60.6	99
Magnesium	248000	251000					264000	106	267000	106
Manganese	19.0	502					20.4	107	536	107
Nickel	21.0	984					20.4	97	1010	103
Potassium	0	0					25.9		-46.0	
Selenium	0	53.0					-2.8		48.8	92
Silver	0	206					0.16		181	88
Sodium	0	0					896		868	
Thallium	0	103					0.43		98.3	95
Vanadium	0	494					2.4		503	102
Zinc	28.0	1030					33.3	119	1020	99

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME2251S

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) WATER Level: (low/med) LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2277.7500		50.3600	J	2000.00	111		P
Antimony	75-125	114.9800		60.0000	U	100.00	115		P
Arsenic	75-125	49.5750		10.0000	U	40.00	124		P
Barium	75-125	2254.3500		38.3550	J	2000.00	111		P
Beryllium	75-125	59.6650		5.0000	U	50.00	119		P
Cadmium	75-125	59.1850		5.0000	U	50.00	118		P
Calcium									NR
Chromium	75-125	237.9900		1.0500	J	200.00	118		P
Cobalt	75-125	580.7100		50.0000	U	500.00	116		P
Copper	75-125	295.4250		2.5600	J	250.00	117		P
Iron	75-125	1104.6000		44.4300	J	1000.00	106		P
Lead	75-125	27.8200		10.0000	U	20.00	139	N	P
Magnesium									NR
Manganese	75-125	537.7500		15.0000	U	500.00	108		P
Mercury	75-125	1.0230		0.2000	U	1.00	102		CV
Nickel	75-125	591.5350		40.0000	U	500.00	118		P
Potassium									NR
Selenium	75-125	65.3300		4.6350	J	50.00	121		P
Silver	75-125	35.9650		10.0000	U	50.00	72	N	P
Sodium									NR
Thallium	75-125	60.2050		25.0000	U	50.00	120		P
Vanadium	75-125	569.6950		50.0000	U	500.00	114		P
Zinc	75-125	601.1000		16.3750	J	500.00	117		P
Cyanide	75-125	95.6619		10.0000	U	100.00	96		AS

Comments:

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME2259S

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) SOIL Level: (low/med) LOW

% Solids for Sample: 82.1

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	24.7387		7.3082	U	24.36	102		P
Arsenic	75-125	20.3404		9.4732		9.74	112		P
Barium	75-125	597.1742		70.6705		487.21	108		P
Beryllium	75-125	13.2509		0.6212		12.18	104		P
Cadmium	75-125	14.8989		2.4032		12.18	103		P
Calcium									NR
Chromium	75-125	74.8575		21.9842		48.72	109		P
Cobalt	75-125	136.7052		10.2381		121.80	104		P
Copper	75-125	88.0146		25.4184		60.90	103		P
Iron									NR
Lead	75-125	15.5055		10.6346		4.87	100		P
Magnesium									NR
Manganese	75-125	475.5603		356.6991		121.80	98		P
Mercury	75-125	0.5871		0.0402	J	0.61	90		CV
Nickel	75-125	160.3106		33.3965		121.80	104		P
Potassium									NR
Selenium	75-125	10.4038		4.2631	U	12.18	85		P
Silver	75-125	8.2929		1.2180	U	12.18	68	N	P
Sodium									NR
Thallium	75-125	12.3185		3.0451	U	12.18	101		P
Vanadium	75-125	155.9318		26.4397		121.80	106		P
Zinc	75-125	193.5505		71.2868		121.80	100		P
Cyanide	75-125	6.4639		3.0451	U	6.09	106		AS

Comments:

USEPA - CLP

5B-IN
POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME2251A

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) WATER Level: (low/med) LOW

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead		16.23		10.00	U	20.0	81		P
Magnesium									NR
Manganese									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

USEPA - CLP

6-IN
DUPLICATES

EPA SAMPLE NO.

ME2251D

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) WATER Level: (low/med) LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		50.3600	J	49.3350	J	2		P
Antimony		60.0000	U	60.0000	U			P
Arsenic		10.0000	U	10.0000	U			P
Barium		38.3550	J	38.9150	J	1		P
Beryllium		5.0000	U	5.0000	U			P
Cadmium		5.0000	U	5.0000	U			P
Calcium		74994.5000		75917.5000		1		P
Chromium		1.0500	J	1.5400	J	38		P
Cobalt		50.0000	U	50.0000	U			P
Copper		2.5600	J	2.1050	J	20		P
Iron		44.4300	J	44.6000	J	0		P
Lead		10.0000	U	4.2500	J	200		P
Magnesium		32984.5000		33313.0000		1		P
Manganese		15.0000	U	15.0000	U			P
Mercury		0.2000	U	0.0990	J	200		CV
Nickel		40.0000	U	40.0000	U			P
Potassium		4215.8500	J	4217.2000	J	0		P
Selenium		4.6350	J	4.4050	J	5		P
Silver		10.0000	U	10.0000	U			P
Sodium	5000.0	18773.5000		18760.5000		0		P
Thallium		25.0000	U	25.0000	U			P
Vanadium		50.0000	U	50.0000	U			P
Zinc		16.3750	J	16.7750	J	2		P
Cyanide		10.0000	U	10.0000	U			AS

USEPA - CLP

6-IN
DUPLICATES

EPA SAMPLE NO.

ME2259D

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: SDG No.: ME2251

Matrix: (soil/water) SOIL Level: (low/med) LOW

% Solids for Sample: 82.1 % Solids for Duplicate: 82.2

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		13456.1510		13518.8794		0		P
Antimony		7.3082	U	7.3082	U			P
Arsenic		9.4732		9.9884		5		P
Barium	24.4	70.6705		70.7674		0		P
Beryllium	0.6	0.6212		0.6145		1		P
Cadmium	0.6	2.4032		2.3928		0		P
Calcium		18261.8758		18476.2485		1		P
Chromium		21.9842		22.0225		0		P
Cobalt	6.1	10.2381		10.3307		1		P
Copper		25.4184		25.6090		1		P
Iron		29204.6285		29457.9781		1		P
Lead		10.6346		10.6376		0		P
Magnesium		10965.2862		11043.3618		1		P
Manganese		356.6991		359.0012		1		P
Mercury		0.0402	J	0.1218	U	200		CV
Nickel		33.3965		33.8733		1		P
Potassium	609.0	1872.9598		1876.9184		0		P
Selenium		4.2631	U	4.2631	U			P
Silver		1.2180	U	1.2180	U			P
Sodium		105.7095	J	112.8995	J	7		P
Thallium		3.0451	U	3.0451	U			P
Vanadium	6.1	26.4397		26.6273		1		P
Zinc		71.2868		72.3819		2		P
Cyanide		3.0451	U	3.0451	U			AS

USEPA - CLP

8-IN
ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ME2251L

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) WATER Level: (low/med) LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	50.36	J	108.43	J	115		P
Antimony	60.00	U	300.00	U			P
Arsenic	10.00	U	50.00	U			P
Barium	38.36	J	43.28	J	13		P
Beryllium	5.00	U	25.00	U			P
Cadmium	5.00	U	25.00	U			P
Calcium	74994.50		69175.00		8		P
Chromium	1.05	J	50.00	U	100		P
Cobalt	50.00	U	250.00	U			P
Copper	2.56	J	125.00	U	100		P
Iron	44.43	J	500.00	U	100		P
Lead	10.00	U	50.00	U			P
Magnesium	32984.50		29484.75		11	E	P
Manganese	15.00	U	75.00	U			P
Nickel	40.00	U	200.00	U			P
Potassium	4215.85	J	3927.53	J	7		P
Selenium	4.64	J	175.00	U	100		P
Silver	10.00	U	50.00	U			P
Sodium	18773.50		16171.75	J	14	E	P
Thallium	25.00	U	125.00	U			P
Vanadium	50.00	U	250.00	U			P
Zinc	16.38	J	18.40	J	12		P

USEPA - CLP

8-IN
ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ME2259L

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Matrix: (soil/water) SOIL Level: (low/med) LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	110475.00		113030.00		2		P
Antimony	60.00	U	300.00	U			P
Arsenic	77.78		89.95		16		P
Barium	580.21		580.00	J	0		P
Beryllium	5.10		5.38	J	5		P
Cadmium	19.73		19.43	J	2		P
Calcium	149930.00		157542.50		5		P
Chromium	180.49		197.53		9		P
Cobalt	84.06		95.00	J	13	E	P
Copper	208.69		243.00		16	E	P
Iron	239770.00		257102.50		7		P
Lead	87.31		106.90		22		P
Magnesium	90025.00		92750.00		3		P
Manganese	2928.50		3124.13		7		P
Nickel	274.19		311.93		14	E	P
Potassium	15377.00		15248.75	J	1		P
Selenium	35.00	U	175.00	U			P
Silver	10.00	U	50.00	U			P
Sodium	867.88	J	670.08	J	23		P
Thallium	25.00	U	125.00	U			P
Vanadium	217.07		229.80	J	6		P
Zinc	585.27		693.68		19	E	P

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument Type: AS Instrument ID: CN Date: 01/15/2008

Preparation Method: DS2

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		20	
Antimony		6	
Arsenic		1	
Barium		20	
Beryllium		0.5	
Cadmium		0.5	
Calcium		500	
Chromium		1	
Cobalt		5	
Copper		2.5	
Iron		10	
Lead		1	
Magnesium		500	
Manganese		1.5	
Mercury		0.1	
Nickel		4	
Potassium		500	
Selenium		3.5	
Silver		1	
Sodium		500	
Thallium		2.5	
Vanadium		5	
Zinc		6	
Cyanide	578.00	2.5	0.11

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument Type: AS Instrument ID: CN Date: 01/15/2008

Preparation Method: DW2

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury		0.2	
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide	578.00	10	1.3

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument Type: AS Instrument ID: CN Date: 01/15/2008

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury		0.2	
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide	578.00	10	2.1

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument Type: CV Instrument ID: CV1 Date: 01/15/2008

Preparation Method: CS1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		20	
Antimony		6	
Arsenic		1	
Barium		20	
Beryllium		0.5	
Cadmium		0.5	
Calcium		500	
Chromium		1	
Cobalt		5	
Copper		2.5	
Iron		10	
Lead		1	
Magnesium		500	
Manganese		1.5	
Mercury	253.70	0.1	0.024
Nickel		4	
Potassium		500	
Selenium		3.5	
Silver		1	
Sodium		500	
Thallium		2.5	
Vanadium		5	
Zinc		6	
Cyanide		2.5	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument Type: CV Instrument ID: CV1 Date: 01/15/2008

Preparation Method: CW1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury	253.70	0.2	0.043
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide		10	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument Type: P Instrument ID: P4 Date: 01/15/2008

Preparation Method: HS1

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

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.20	20	0.69
Antimony	206.80	6	0.41
Arsenic	193.70	1	0.37
Barium	493.40	20	0.090
Beryllium	234.80	0.5	0.010
Cadmium	226.50	0.5	0.040
Calcium	373.60	500	3.3
Chromium	267.70	1	0.080
Cobalt	228.60	5	0.080
Copper	224.70	2.5	0.10
Iron	259.80	10	0.20
Lead	220.30	1	0.25
Magnesium	279.00	500	5.3
Manganese	257.60	1.5	0.17
Mercury		0.1	
Nickel	231.60	4	0.14
Potassium	766.40	500	4.7
Selenium	196.00	3.5	0.35
Silver	328.00	1	0.090
Sodium	589.50	500	2.4
Thallium	190.80	2.5	0.56
Vanadium	292.40	5	0.12
Zinc	206.20	6	0.070
Cyanide		2.5	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument Type: P Instrument ID: P4 Date: 01/15/2008

Preparation Method: HW1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.20	200	9.5
Antimony	206.80	60	5.9
Arsenic	193.70	10	3.6
Barium	493.40	200	0.90
Beryllium	234.80	5	0.10
Cadmium	226.50	5	0.40
Calcium	373.60	5000	18.5
Chromium	267.70	10	0.90
Cobalt	228.60	50	1.0
Copper	224.70	25	1.8
Iron	259.80	100	11.8
Lead	220.30	10	4.0
Magnesium	279.00	5000	58.1
Manganese	257.60	15	1.5
Mercury		0.2	
Nickel	231.60	40	1.9
Potassium	766.40	5000	64.7
Selenium	196.00	35	4.4
Silver	328.00	10	0.70
Sodium	589.50	5000	17.0
Thallium	190.80	25	2.2
Vanadium	292.40	50	1.4
Zinc	206.20	60	0.60
Cyanide		10	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument Type: P Instrument ID: P4 Date: 01/15/2008

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	308.20	200	12.4
Antimony	206.80	60	2.3
Arsenic	193.70	10	4.1
Barium	493.40	200	2.6
Beryllium	234.80	5	0.20
Cadmium	226.50	5	0.40
Calcium	373.60	5000	106
Chromium	267.70	10	0.80
Cobalt	228.60	50	1.0
Copper	224.70	25	1.6
Iron	259.80	100	3.6
Lead	220.30	10	4.2
Magnesium	279.00	5000	31.2
Manganese	257.60	15	1.9
Mercury		0.2	
Nickel	231.60	40	2.9
Potassium	766.40	5000	35.9
Selenium	196.00	35	3.9
Silver	328.00	10	0.90
Sodium	589.50	5000	25.1
Thallium	190.80	25	2.2
Vanadium	292.40	50	0.60
Zinc	206.20	60	0.70
Cyanide		10	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument Type: P Instrument ID: P5 Date: 06/25/2008

Preparation Method: HW1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum	0.00	200	16.7
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium	0.00	5000	280
Chromium		10	
Cobalt		50	
Copper		25	
Iron	0.00	100	10.4
Lead	220.35	10	1.3
Magnesium	0.00	5000	344
Manganese		15	
Mercury		0.2	
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide		10	

Comments:

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument Type: P Instrument ID: P5 Date: 06/25/2008

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		10	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead	220.35	10	2.2
Magnesium		5000	
Manganese		15	
Mercury		0.2	
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide		10	

Comments:

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Preparation Method: CS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
CCB	10/31/2008		100
CCV	10/31/2008		100
CRI	10/31/2008		100
ICB	10/31/2008		100
ICV	10/31/2008		100
LCSS	10/31/2008	0.20	100
ME2259	10/31/2008	0.20	100
ME2259D	10/31/2008	0.20	100
ME2259S	10/31/2008	0.20	100
ME2260	10/31/2008	0.21	100
ME2261	10/31/2008	0.20	100
ME2262	10/31/2008	0.20	100
ME2263	10/31/2008	0.20	100
ME2264	10/31/2008	0.20	100
ME2265	10/31/2008	0.20	100
ME2266	10/31/2008	0.21	100
PBS	10/31/2008	0.20	100
S0	10/31/2008		100
S0.2	10/31/2008		100
S2.5	10/31/2008		100
S5.0	10/31/2008		100
S7.5	10/31/2008		100
S10.0	10/31/2008		100

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Preparation Method: DS2

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
ICV	10/28/2008		50
LCSS	10/28/2008	1.00	50
ME2259	10/28/2008	1.00	50
ME2259D	10/28/2008	1.00	50
ME2259S	10/28/2008	1.00	50
ME2260	10/28/2008	1.00	50
ME2261	10/28/2008	1.00	50
ME2262	10/28/2008	1.00	50
ME2263	10/28/2008	1.00	50
ME2264	10/28/2008	1.00	50
ME2265	10/28/2008	1.00	50
ME2266	10/28/2008	1.00	50
MIDRANGE	10/28/2008		50
PBS	10/28/2008	1.00	50

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Preparation Method: HS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSS	10/28/2008	1.00	100
ME2259	10/28/2008	1.00	100
ME2259D	10/28/2008	1.00	100
ME2259S	10/28/2008	1.00	100
ME2260	10/28/2008	1.00	100
ME2261	10/28/2008	1.01	100
ME2262	10/28/2008	1.02	100
ME2263	10/28/2008	1.00	100
ME2264	10/28/2008	1.00	100
ME2265	10/28/2008	1.01	100
ME2266	10/28/2008	1.00	100
PBS	10/28/2008	1.00	100

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: CN Analysis Method: AS

Start Date: 10/28/2008 End Date: 10/28/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
S0	1.0	1246																								X		
S5.0	1.0	1246																								X		
S10.0	1.0	1246																								X		
S100.0	1.0	1246																								X		
S250.0	1.0	1246																								X		
S500.0	1.0	1246																								X		
ICV	1.0	1303																								X		
ICV	1.0	1303																								X		
ICB	1.0	1303																								X		
CRI	1.0	1303																								X		
CCV	1.0	1303																								X		
CCB	1.0	1303																								X		
MIDRANGE	1.0	1308																								X		
MIDRANGE	1.0	1308																								X		
PBS	1.0	1308																								X		
PBW	1.0	1343																								X		
LCSS	1.0	1343																								X		
LCSW	1.0	1343																								X		
ME2259	1.0	1403																								X		
ME2259D	1.0	1403																								X		
ME2259S	1.0	1403																								X		
ME2260	1.0	1403																								X		
CCV	1.0	1403																								X		
CCB	1.0	1403																								X		
ME2261	1.0	1411																								X		
ME2262	1.0	1411																								X		
ME2263	1.0	1411																								X		
ME2264	1.0	1411																								X		
ME2265	1.0	1411																								X		
ME2266	1.0	1411																								X		
ME2251	1.0	1411																								X		
ME2251D	1.0	1411																								X		
ME2251S	1.0	1411																								X		

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: CN Analysis Method: AS

Start Date: 10/28/2008 End Date: 10/28/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
CRI	1.0	1411																								X		
CCV	1.0	1411																								X		
CCB	1.0	1417																								X		
ME2252	1.0	1432																								X		
ME2253	1.0	1432																								X		
ME2254	1.0	1432																								X		
ME2255	1.0	1432																								X		
ME2256	1.0	1432																								X		
ME2257	1.0	1438																								X		
ME2258	1.0	1444																								X		
CRI	1.0	1444																								X		
CCV	1.0	1444																								X		
CCB	1.0	1444																								X		

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: CV1 Analysis Method: CV

Start Date: 10/31/2008 End Date: 10/31/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
S0	1.0	0931															X											
S0.2	1.0	0934															X											
S2.5	1.0	0936															X											
S5.0	1.0	0938															X											
S7.5	1.0	0941															X											
S10.0	1.0	0943															X											
ICV	1.0	0947															X											
ICB	1.0	0949															X											
CRI	1.0	0951															X											
CCV	1.0	0953															X											
CCB	1.0	0955															X											
PBS	1.0	0958															X											
LCSS	1.0	1000															X											
ME2259	1.0	1002															X											
ME2259D	1.0	1004															X											
ZZZZZZ	1.0	1007																										
ME2260	1.0	1009															X											
ME2261	1.0	1011															X											
ME2262	1.0	1013															X											
CCV	1.0	1015															X											
CCB	1.0	1018															X											
ME2263	1.0	1020															X											
ME2264	1.0	1022															X											
ME2265	1.0	1024															X											
ME2266	1.0	1026															X											
CRI	1.0	1036															X											
CCV	1.0	1038															X											
CCB	1.0	1041															X											
ME2259S	1.0	1043															X											
CRI	1.0	1045															X											
CCV	1.0	1047															X											
CCB	1.0	1049															X											

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: CV1 Analysis Method: CV

Start Date: 10/31/2008 End Date: 10/31/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
S0	1.0	1111															X											
S0.2	1.0	1113															X											
S2.5	1.0	1115															X											
S5.0	1.0	1118															X											
S7.5	1.0	1120															X											
S10.0	1.0	1122															X											
ICV	1.0	1124															X											
ICB	1.0	1126															X											
CRI	1.0	1128															X											
CRI	1.0	1131															X											
CCV	1.0	1133															X											
CCB	1.0	1135															X											
PBW	1.0	1137															X											
ZZZZZZ	1.0	1139																										
ZZZZZZ	1.0	1141																										
ZZZZZZ	1.0	1143																										
ZZZZZZ	1.0	1146																										
ME2251	1.0	1148															X											
ME2251D	1.0	1150															X											
ME2251S	1.0	1152															X											
CCV	1.0	1154															X											
CCB	1.0	1156															X											
ME2252	1.0	1158															X											
ME2253	1.0	1200															X											
ME2254	1.0	1202															X											
ME2255	1.0	1204															X											
ME2256	1.0	1206															X											
ME2257	1.0	1209															X											
ME2258	1.0	1211															X											
ZZZZZZ	1.0	1213																										
CRI	1.0	1215															X											
CCV	1.0	1242															X											
CCB	1.0	1244															X											

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: CV1 Analysis Method: CV

Start Date: 10/31/2008 End Date: 10/31/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ZZZZZZ	1.0	1246																										
ZZZZZZ	1.0	1248																										
ZZZZZZ	1.0	1250																										
ZZZZZZ	1.0	1252																										
ZZZZZZ	1.0	1254																										
ZZZZZZ	1.0	1258																										
ZZZZZZ	1.0	1300																										
ZZZZZZ	1.0	1302																										
CCV	1.0	1304															X											
CCB	1.0	1306															X											
ZZZZZZ	1.0	1309																										
ZZZZZZ	1.0	1311																										
ZZZZZZ	1.0	1314																										
ZZZZZZ	1.0	1316																										
ZZZZZZ	1.0	1318																										
ZZZZZZ	1.0	1320																										
ZZZZZZ	1.0	1322																										
ZZZZZZ	1.0	1325																										
CRI	1.0	1327															X											
CCV	1.0	1329															X											
CCB	1.0	1331															X											
ZZZZZZ	1.0	1334																										
ZZZZZZ	1.0	1336																										
ZZZZZZ	1.0	1338																										
ZZZZZZ	1.0	1340																										
ZZZZZZ	1.0	1342																										
ZZZZZZ	1.0	1344																										
ZZZZZZ	1.0	1346																										
ZZZZZZ	1.0	1349																										
CCV	1.0	1351															X											
CCB	1.0	1353															X											
ZZZZZZ	1.0	1355																										
ZZZZZZ	1.0	1357																										

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: CV1 Analysis Method: CV

Start Date: 10/31/2008 End Date: 10/31/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ZZZZZZ	1.0	1359																										
ZZZZZZ	1.0	1401																										
ZZZZZZ	1.0	1403																										
ZZZZZZ	1.0	1405																										
ZZZZZZ	1.0	1408																										
ZZZZZZ	1.0	1410																										
CRI	1.0	1415															X											
CRI	1.0	1417															X											
CCV	1.0	1419															X											
CCB	1.0	1421															X											
ZZZZZZ	1.0	1424																										
ZZZZZZ	1.0	1426																										
ZZZZZZ	1.0	1428																										
ZZZZZZ	1.0	1430																										
ZZZZZZ	1.0	1432																										
ZZZZZZ	1.0	1434																										
ZZZZZZ	1.0	1436																										
ZZZZZZ	1.0	1438																										
CCV	1.0	1440															X											
CCB	1.0	1442															X											
ZZZZZZ	1.0	1445																										
ZZZZZZ	1.0	1447																										
ZZZZZZ	1.0	1449																										
ZZZZZZ	1.0	1451																										
ZZZZZZ	1.0	1453																										
ZZZZZZ	1.0	1455																										
CRI	1.0	1457															X											
CCV	1.0	1506															X											
CCB	1.0	1509															X											

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13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: P4 Analysis Method: P

Start Date: 11/04/2008 End Date: 11/04/2008

EPA Sample No.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
S0	1.0	1228	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.0	1231	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICV	1.0	1247	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICB	1.0	1253	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CRI	1.0	1256		X	X		X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA	1.0	1259	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSAB	1.0	1306	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV	1.0	1313	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.0	1316	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	0	1318																										
ZZZZZZ	0	1320																										
ZZZZZZ	0	1322																										
ZZZZZZ	0	1324																										
ZZZZZZ	0	1326																										
ZZZZZZ	0	1328																										
ZZZZZZ	0	1329																										
ZZZZZZ	0	1331																										
ZZZZZZ	0	1333																										
ZZZZZZ	0	1334																										
CCV	1.0	1336	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.0	1338	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	0	1340																										
ZZZZZZ	0	1342																										
ZZZZZZ	0	1345																										
ZZZZZZ	0	1347																										
PBS	1.0	1349	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
LCSS	1.0	1351	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
PBW	1.0	1353	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CRI	1.0	1355		X	X		X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA	1.0	1357	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSAB	1.0	1358	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV	1.0	1400	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.0	1402	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			

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13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: P4 Analysis Method: P

Start Date: 11/04/2008 End Date: 11/04/2008

EPA Sample No.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
LCSW	1.0	1404	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2259	1.0	1408	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2259D	1.0	1409	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2259L	5.0	1411	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2259S	1.0	1413		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
ME2260	1.0	1415	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2261	1.0	1417	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2262	1.0	1419	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2263	1.0	1421	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2264	1.0	1423	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV	1.0	1426	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.0	1428	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2265	1.0	1430	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2266	1.0	1432	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2251	1.0	1436	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2251D	1.0	1438	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2251L	5.0	1440	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2251S	1.0	1442	X	X	X	X	X	X		X	X	X	X	X		X		X		X	X		X	X	X			
ME2252	1.0	1444	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CRI	1.0	1446		X	X		X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA	1.0	1448	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSAB	1.0	1450	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV	1.0	1452	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.0	1454	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2253	1.0	1456	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2254	1.0	1458	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2255	1.0	1500	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2256	1.0	1502	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2257	1.0	1505	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ME2258	1.0	1507	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	0	1524																										
ZZZZZZ	0	1530																										
ZZZZZZ	0	1532																										

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13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: P4 Analysis Method: P

Start Date: 11/04/2008 End Date: 11/04/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ZZZZZZ	0	1536																										
CCV	1.0	1539	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.0	1541	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	0	1543																										
ZZZZZZ	0	1546																										
ZZZZZZ	0	1549																										
ZZZZZZ	0	1552																										
ZZZZZZ	0	1554																										
ZZZZZZ	0	1607																										
ZZZZZZ	0	1609																										
CRI	1.0	1611		X	X		X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA	1.0	1626	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSAB	1.0	1628	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV	1.0	1632	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB	1.0	1634	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			

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13-IN
ANALYSIS RUN LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: P5 Analysis Method: P

Start Date: 11/10/2008 End Date: 11/10/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
S0	1.0	1329	X						X				X	X	X													
S	1.0	1332	X						X				X	X	X													
ICV	1.0	1334												X														
ICB	1.0	1338												X														
CRI	1.0	1341												X														
ICSA	1.0	1344	X						X				X	X	X													
ICSAB	1.0	1355	X						X				X	X	X													
CCV	1.0	1358												X														
CCB	1.0	1400												X														
ME2251A	1.0	1405												X														
ZZZZZZ	1.0	1422																										
ZZZZZZ	1.0	1425																										
ZZZZZZ	1.0	1434																										
ZZZZZZ	1.0	1437																										
ZZZZZZ	5.0	1440																										
ZZZZZZ	1.0	1442																										
ZZZZZZ	1.0	1447																										
ZZZZZZ	1.0	1453																										
ZZZZZZ	1.0	1456																										
CCV	1.0	1459												X														
CCB	1.0	1502												X														
ZZZZZZ	1.0	1504																										
ZZZZZZ	1.0	1507																										
ZZZZZZ	1.0	1510																										
ZZZZZZ	1.0	1513																										
ZZZZZZ	1.0	1524																										
ZZZZZZ	1.0	1527																										
ZZZZZZ	1.0	1530																										
CRI	1.0	1533												X														
ICSA	1.0	1535	X						X				X	X	X													
ICSAB	1.0	1538	X						X				X	X	X													
CCV	1.0	1541												X														
CCB	1.0	1543												X														

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13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: P5 Analysis Method: P

Start Date: 11/10/2008 End Date: 11/10/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ZZZZZZ	1.0	1546																										
ZZZZZZ	1.0	1626																										
ZZZZZZ	1.0	1629																										
ZZZZZZ	5.0	1631																										
ZZZZZZ	1.0	1634																										
ZZZZZZ	0	1636																										
ZZZZZZ	0	1639																										
ZZZZZZ	0	1642																										
ZZZZZZ	0	1647																										
ZZZZZZ	0	1650																										
CCV	1.0	1656												X														
CCB	1.0	1659												X														
ZZZZZZ	0	1720																										
ZZZZZZ	0	1722																										
ZZZZZZ	0	1726																										
ZZZZZZ	0	1729																										
ZZZZZZ	0	1732																										
ZZZZZZ	0	1738																										
ZZZZZZ	0	1743																										
CRI	1.0	1746												X														
ICSA	1.0	1809	X						X				X	X	X													
ICSAB	1.0	1819	X						X				X	X	X													
CCV	1.0	1821												X														
CCB	1.0	1824												X														
ZZZZZZ	0	1916																										
ZZZZZZ	0	1919																										
ZZZZZZ	0	1922																										
ZZZZZZ	0	1924																										
ZZZZZZ	0	1927																										
ZZZZZZ	0	1930																										
ZZZZZZ	0	1933																										
ZZZZZZ	0	1936																										
ZZZZZZ	0	1938																										

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13-IN
ANALYSIS RUN LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: P5 Analysis Method: P

Start Date: 11/10/2008 End Date: 11/10/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ZZZZZZ	0	1942																										
CCV	1.0	1945												X														
CCB	1.0	1947												X														
ZZZZZZ	0	1950																										
ZZZZZZ	0	1953																										
ZZZZZZ	0	1956																										
ZZZZZZ	0	1958																										
ZZZZZZ	0	2010																										
ZZZZZZ	0	2012																										
ZZZZZZ	0	2019																										
CRI	1.0	2024												X														
ICSA	1.0	2027	X						X				X	X	X													
ICSAB	1.0	2029	X						X				X	X	X													
CCV	1.0	2032												X														
CCB	1.0	2034												X														
ZZZZZZ	0	2037																										
ZZZZZZ	0	2040																										
ZZZZZZ	0	2042																										
ZZZZZZ	0	2045																										
ZZZZZZ	0	2048																										
ZZZZZZ	0	2051																										
ZZZZZZ	0	2054																										
ZZZZZZ	0	2056																										
ZZZZZZ	0	2102																										
ZZZZZZ	0	2104																										
CCV	1.0	2107												X														
CCB	1.0	2110												X														
ZZZZZZ	0	2113																										
ZZZZZZ	0	2115																										
CRI	1.0	2118												X														
ICSA	1.0	2120	X						X				X	X	X													
ICSAB	1.0	2123	X						X				X	X	X													
CCV	1.0	2125												X														

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13-IN
ANALYSIS RUN LOG

Lab Name CHEMTECH CONSULTING GROUP Contract: EPW06047

Lab Code: CHEM Case No.: 37971 NRAS No.: _____ SDG No.: ME2251

Instrument ID: P5 Analysis Method: P

Start Date: 11/10/2008 End Date: 11/10/2008

EPA Sample No.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
CCB	1.0	2128												X														

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: ME2251 CERCLIS No: TBD

Case No: 37971 Site Name/Location: Fostoria Industries (OH)

Contractor or EPA Lab: ChemTech Data User: OEPA

No. of Samples: 16 Date Sampled or Date Received: 17 Nov 08

Have Chain-of-Custody records been received? Yes ✓ No ____
Have traffic reports or packing lists been received? Yes ✓ No ____
If no, are traffic report or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

____ ____ ____ ____
____ ____ ____ ____

Are basic data forms in? Yes ✓ No ____
No of samples claimed: 16 No. of samples received: ____

Received by: [signature] Date: 17 Nov 08

Received by LSSS: [signature] Date: 17 Nov 08

Review started: 12/29/08 Reviewer Signature: Linda J Moore

Total time spent on review: 21 + 3 w 1-23-09 Date review completed: 1/23/09 LJM 1/23/09

Copied by: [signature] Date: 23 Jan 09

Mailed to user by: [signature] Date: 26 Jan 09

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete [ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

____

____

Received by Data Mgmt. Coordinator for Files. Date: ____

ESAT Controlled Number: ESAT5.M.00411-pd 8Jan09

DATE: January 8, 2009

Ohio EPA Field Office
ATTN: **Mr. Ed Link**
4675 Homer Ohio Lane
Groveport, OH 43125

SITE NAME: Fostoria Industries (OH)

Case	Lab	Samples	SDG	Matrix
37971	Mitkem	8	E2259	soil

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

PLEASE! Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.

Signature:_____ Date:_____

FROM: **U.S. EPA - Region 5**
Sylvia Griffin
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Pat Davis
Data Coordinator
ESAT Region 5 – **TechLaw Inc.**

Appendix C

Contract Required Quantitation Limits (CRQL)

Table 1. Target Compound List (TCL) and Contract Required Quantitation Limits (CRQLs) for SOM01.1*

	Quantitation Limits				
	Trace Water by SIM (µg/L)	Trace Water (µg/L)	Low Water (µg/L)	Low Soil (µg/kg)	Med. Soil (µg/kg)
VOLATILES					
1. Dichlorodifluoromethane		0.50	5.0	5.0	250
2. Chloromethane		0.50	5.0	5.0	250
3. Vinyl Chloride		0.50	5.0	5.0	250
4. Bromomethane		0.50	5.0	5.0	250
5. Chloroethane		0.50	5.0	5.0	250
6. Trichlorofluoromethane		0.50	5.0	5.0	250
7. 1,1-Dicholoroethene		0.50	5.0	5.0	250
8. 1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	5.0	5.0	250
9. Acetone		5.0	10	10	500
10. Carbon Disulfide		0.50	5.0	5.0	250
11. Methyl acetate		0.50	5.0	5.0	250
12. Methylene chloride		0.50	5.0	5.0	250
13. trans-1,2-Dichloroethene		0.50	5.0	5.0	250
14. Methyl tert-butyl ether		0.50	5.0	5.0	250
15. 1,1-Dichloroethane		0.50	5.0	5.0	250
16. cis-1,2-Dichloroethene		0.50	5.0	5.0	250
17. 2-Butanone		5.0	10	10	500
18. Bromochloromethane		0.50	5.0	5.0	250
19. Chloroform		0.50	5.0	5.0	250
20. 1,1,1-Trichloroethane		0.50	5.0	5.0	250
21. Cyclohexane		0.50	5.0	5.0	250
22. Carbon tetrachloride		0.50	5.0	5.0	250
23. Benzene		0.50	5.0	5.0	250
24. 1,2-Dichloroethane		0.50	5.0	5.0	250
25. 1,4-Dioxane	2.0	20	100	100	5000
26. Trichloroethene		0.50	5.0	5.0	250
27. Methylcyclohexane		0.50	5.0	5.0	250
28. 1,2-Dichloropropane		0.50	5.0	5.0	250
29. Bromodichloromethane		0.50	5.0	5.0	250
30. cis-1,3-Dichloropropene		0.50	5.0	5.0	250
31. 4-Methyl-2-pentanone		5.0	10	10	500
32. Toluene		0.50	5.0	5.0	250
33. trans-1,3-Dichloropropene		0.50	5.0	5.0	250
34. 1,1,2-Trichloroethane		0.50	5.0	5.0	250
35. Tetrachloroethene		0.50	5.0	5.0	250
36. 2-Hexanone		5.0	10	10	500
37. Dibromochloromethane		0.50	5.0	5.0	250
38. 1,2-Dibromoethane	0.050	0.50	5.0	5.0	250
39. Chlorobenzene		0.50	5.0	5.0	250

	Quantitation Limits				
	Trace Water by SIM (µg/L)	Trace Water (µg/L)	Low Water (µg/L)	Low Soil (µg/kg)	Med. Soil (µg/kg)
VOLATILES (CON'T)					
40. Ethylbenzene		0.50	5.0	5.0	250
41. o-Xylene		0.50	5.0	5.0	250
42. m, p-Xylene		0.50	5.0	5.0	250
43. Styrene		0.50	5.0	5.0	250
44. Bromoform		0.50	5.0	5.0	250
45. Isopropylbenzene		0.50	5.0	5.0	250
46. 1,1,2,2-Tetrachloroethane		0.50	5.0	5.0	250
47. 1,3-Dichlorobenzene		0.50	5.0	5.0	250
48. 1,4-Dichlorobenzene		0.50	5.0	5.0	250
49. 1,2-Dichlorobenzene		0.50	5.0	5.0	250
50. 1,2-Dibromo-3-chloropropane	0.050	0.50	5.0	5.0	250
51. 1,2,4-Trichlorobenzene		0.50	5.0	5.0	250
52. 1,2,3-Trichlorobenzene		0.50	5.0	5.0	250
SEMIVOLATILES	Low Water by SIM (µg/L)	Low Water (µg/L)	Low Soil by SIM (µg/kg)	Low Soil (µg/kg)	Med. Soil (µg/kg)
53. Benzaldehyde		5.0		170	5000
54. Phenol		5.0		170	5000
55. bis-(2-chloroethyl) ether		5.0		170	5000
56. 2-Chlorophenol		5.0		170	5000
57. 2-Methylphenol		5.0		170	5000
58. 2,2'-Oxybis (1-chloropropane)		5.0		170	5000
59. Acetophenone		5.0		170	5000
60. 4-Methylphenol		5.0		170	5000
61. N-Nitroso-di-n propylamine		5.0		170	5000
62. Hexachloroethane		5.0		170	5000
63. Nitrobenzene		5.0		170	5000
64. Isophorone		5.0		170	5000
65. 2-Nitrophenol		5.0		170	5000
66. 2,4-Dimethylphenol		5.0		170	5000
67. Bis (2-chloroethoxy) methane		5.0		170	5000
68. 2,4-Dichlorophenol		5.0		170	5000
69. Napthalene	0.10	5.0	3.3	170	5000
70. 4-Chloroaniline		5.0		170	5000
71. Hexachlorobutadiene		5.0		170	5000
72. Caprolactam		5.0		170	5000
73. 4-Chloro-3-methylphenol		5.0		170	5000
74. 2-Methylnapthalene	0.10	5.0	3.3	170	5000
75. Hexachlorocyclopentadiene		5.0		170	5000
76. 2,4,6-Trichlorophenol		5.0		170	5000
77. 2,4,5-Trichlorophenol		5.0		170	5000

* For volatiles, quantitation limits for medium soils are approximately 50 times the quantitation limits for low soils. For semivolatile medium soils, quantitation limits are approximately 50 times the quantitation limits for low soils.

Table 1. Target Compound List (TCL) and Contract Required Quantitation Limits (CRQLs) for SOM01.1* (Con't)

	Quantitation Limits				
	Low Water by SIM (µg/L)	Low Water (µg/L)	Low Soil by SIM (µg/kg)	Low Soil (µg/kg)	Med. Soil (µg/kg)
SEMIVOLATILES (CON'T)					
78. 1,1'-Biphenyl		5.0		170	5000
79. 2-Chloronapthalene		5.0		170	5000
80. 2-Nitroaniline		10		330	10000
81. Dimethylphthalate		5.0		170	5000
82. 2,6-Dinitrotoluene		5.0		170	5000
83. Acenaphthylene	0.10	5.0	3.3	170	5000
84. 3-Nitroaniline		10		330	10000
85. Acenaphthene	0.10	5.0	3.3	170	5000
86. 2,4-Dinitrophenol		10		330	10000
87. 4-Nitrophenol		10		330	10000
88. Dibenzofuran		5.0		170	5000
89. 2,4-Dinitrotoluene		5.0		170	5000
90. Diethylphthalate		5.0		170	5000
91. Fluorene	0.10	5.0	3.3	170	5000
92. 4-Chlorophenyl phenyl ether		5.0		170	5000
93. 4-Nitroaniline		10		330	10000
94. 4,6-Dinitro-2-methylphenol		10		330	10000
95. N-Nitrosodiphenylamine		5.0		170	5000
96. 1,2,4,5-Tetrachlorobenzene		5.0		170	5000
97. 4-Bromophenyl phenyl ether		5.0		170	5000
98. Hexachlorobenzene		5.0		170	5000
99. Atrazine		5.0		170	5000
100. Pentachlorophenol	0.20	10	6.7	330	10000
101. Phenanthrene	0.10	5.0	3.3	170	5000
102. Anthracene	0.10	5.0	3.3	170	5000
103. Carbazole		5.0		170	5000
104. Di-n-butylphthalate		5.0		170	5000
105. Fluoranthene	0.10	5.0	3.3	170	5000
106. Pyrene	0.10	5.0	3.3	170	5000
107. Butylbenzylphthalate		5.0		170	5000
108. 3,3'-Dichlorobenzidine		5.0		170	5000
109. Benzo(a)anthracene	0.10	5.0	3.3	170	5000
110. Chrysene	0.10	5.0	3.3	170	5000
111. Bis(2-ethylhexyl)phthalate		5.0		170	5000
112. Di-n-octylphthalate		5.0		170	5000
113. Benzo(b)fluoroanthene	0.10	5.0	3.3	170	5000
114. Benzo(k)fluoroanthene	0.10	5.0	3.3	170	5000

	Quantitation Limits				
	Low Water by SIM (µg/L)	Low Water (µg/L)	Low Soil by SIM (µg/kg)	Low Soil (µg/kg)	Med. Soil (µg/kg)
SEMIVOLATILES (CON'T)					
115. Benzo(a)pyrene	0.10	5.0	3.3	170	5000
116. Indeno(1,2,3-cd)pyrene	0.10	5.0	3.3	170	5000
117. Dibenzo(a,h)anthracene	0.10	5.0	3.3	170	5000
118. Benzo(g,h,i)perylene	0.10	5.0	3.3	170	5000
119. 2,3,4,6-Tetrachlorophenol		5.0		170	5000
PESTICIDES	Water (µg/L)			Soil (µg/kg)	
120. alpha-BHC	0.050			1.7	
121. beta-BHC	0.050			1.7	
122. delta-BHC	0.050			1.7	
123. gamma-BHC (Lindane)	0.050			1.7	
124. Heptachlor	0.050			1.7	
125. Aldrin	0.050			1.7	
126. Heptachlor epoxide	0.050			1.7	
127. Endosulfan I	0.050			1.7	
128. Dieldrin	0.10			3.3	
129. 4,4'-DDE	0.10			3.3	
130. Endrin	0.10			3.3	
131. Endosulfan II	0.10			3.3	
132. 4-4'-DDD	0.10			3.3	
133. Endosulfan sulfate	0.10			3.3	
134. 4-4'-DDT	0.10			3.3	
135. Methoxychlor	0.50			17	
136. Endrin ketone	0.10			3.3	
137. Endrin aldehyde	0.10			3.3	
138. alpha-Chlordane	0.050			1.7	
139. gamma-Chlordane	0.050			1.7	
140. Toxaphene	5.0			170	
AROCLORS	Water (µg/L)			Soil (µg/kg)	
141. Aroclor-1016	1.0			33	
142. Aroclor-1221	1.0			33	
143. Aroclor-1232	1.0			33	
144. Aroclor-1242	1.0			33	
145. Aroclor-1248	1.0			33	
146. Aroclor-1254	1.0			33	
147. Aroclor-1260	1.0			33	
148. Aroclor-1262	1.0			33	
149. Aroclor-1268	1.0			33	

* For volatiles, quantitation limits for medium soils are approximately 50 times the quantitation limits for low soils. For semivolatile medium soils, quantitation limits are approximately 30 times the quantitation limits for low soils.

Table 1. Inorganic Target Analyte List and Contract Required Quantitation Limits (CRQLs)

Analyte	ICP-AES CRQL for Water (µg/L)	ICP-AES CRQL for Soil (mg/kg)	ICP-MS CRQL for Water (µg/L)
1. Aluminum	200	20	--
2. Antimony	60	6	2
3. Arsenic	10	1	1
4. Barium	200	20	10
5. Beryllium	5	0.5	1
6. Cadmium	5	0.5	1
7. Calcium	5000	500	- -
8. Chromium	10	1	2
9. Cobalt	50	5	1
10. Copper	25	2.5	2
11. Iron	100	10	- -
12. Lead	10	1	1
13. Magnesium	5000	500	- -
14. Manganese	15	1.5	1
15. Mercury	0.2	0.1	- -
16. Nickel	40	4	1
17. Potassium	5000	500	- -
18. Selenium	35	3.5	5
19. Silver	10	1	1
20. Sodium	5000	500	- -
21. Thallium	25	2.5	1
22. Vanadium	50	5	5
23. Zinc	60	6	2
24. Cyanide	10	2.5	- -

Appendix D

Well Logs

Water Well Log and Drilling Report

Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740 Fax: 614-265-6767

Well Log Number: 716729

View Image of Original Well Log

ORIGINAL OWNER AND LOCATION

Original Owner Name: *FOSTORIA INDUSTRIES*

County: *SENECA* **Township:** *JACKSON* **Section Number:** *31*

Address: *1200 MAIN ST* **Lot Number:**

City: **State:** *OH* **Zip Code:**

Location Number: **Location Map Year:** **Location Area:**

Latitude: **Longitude:**

CONSTRUCTION DETAILS

Borehole Diameter: 1: **Borehole Depth:** 1: *22 ft.* **Depth to Bedrock:**
2: 2:

Casing Diameter: 1: **Casing Length:** 1: **Casing Thickness:** 1:
2: 2: 2:

Casing Height Above Ground: **Aquifer Type:** *FILL MATERIAL*

Date of Completion: *1/30/1991* **Total Depth:** *22 ft.* **Well Use:**

Driller's Name: *MATHES & ASSOC*

Screen Diameter: **Slot Size:** **Screen Length:**

Type: **Material:**

Set Between:

Gravel Pack Material/Size: **Vol/Wt Used:**

Method of Installation: **Placed:**

Grout Material/Size: **Vol/Wt Used:**

Method of Installation: **Placed**

WELL TEST DETAILS

Static Water Level: *12.1 ft.* **Test Rate:** **Associated Reports**

Drawdown: **Test Duration:** *CONST. DIAGRAM*

COMMENTS: *NONE*

WELL LOG

Formations	From	To
BROWN SANDY SILT	0	2
TAN CLAYEY SILT	2	4
SAND	4	6
FILL MATERIAL	6	22

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Well log questions - Web site questions - Web policies

Water Well Log and Drilling Report

Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740 Fax: 614-265-6767

Well Log Number: 716730

View Image of Original Well Log

ORIGINAL OWNER AND LOCATION

Original Owner Name: *FOSTORIA INDUSTRIES*
County: *SENECA* **Township:** *JACKSON* **Section Number:** *31*
Address: *1200 MAIN ST* **Lot Number:**
City: **State:** *OH* **Zip Code:**
Location Number: **Location Map Year:** **Location Area:**
Latitude: **Longitude:**

CONSTRUCTION DETAILS

Borehole Diameter: 1: **Borehole Depth:** 1: *20 ft.* **Depth to Bedrock:**
2: 2:
Casing Diameter: 1: **Casing Length:** 1: **Casing Thickness:** 1:
2: 2: 2:
Casing Height Above Ground: **Aquifer Type:** *SILT*
Date of Completion: *1/30/1991* **Total Depth:** *20 ft.* **Well Use:**
Driller's Name: *MATHES & ASSOC*

Screen Diameter: **Slot Size:** **Screen Length:**
Type: **Material:**
Set Between:

Gravel Pack Material/Size: **Vol/Wt Used:**
Method of Installation: **Placed:**

Grout Material/Size: **Vol/Wt Used:**
Method of Installation: **Placed**

WELL TEST DETAILS

Static Water Level: *12.7 ft.* **Test Rate:** **Associated Reports**
Drawdown: **Test Duration:** *CONST. DIAGRAM*

COMMENTS: *NONE*

WELL LOG

Formations	From	To
BROWN CLAYEY SILT	0	2
GRAY CLAYEY SILT	2	20

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Well log questions - Web site questions - Web policies

Water Well Log and Drilling Report

Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740 Fax: 614-265-6767

Well Log Number: 716731

View Image of Original Well Log

ORIGINAL OWNER AND LOCATION

Original Owner Name: *FOSTORIA INDUSTRIES*
County: *SENECA* **Township:** *JACKSON* **Section Number:** *31*
Address: *1200 MAIN ST* **Lot Number:**
City: **State:** *OH* **Zip Code:**
Location Number: **Location Map Year:** **Location Area:**
Latitude: **Longitude:**

CONSTRUCTION DETAILS

Borehole Diameter: 1: 2: **Borehole Depth:** 1: *16 ft.* 2: **Depth to Bedrock:**
Casing Diameter: 1: 2: **Casing Length:** 1: 2: **Casing Thickness:** 1: 2:
Casing Height Above Ground: **Aquifer Type:** *DOLOMITE*
Date of Completion: *1/30/1991* **Total Depth:** *16 ft.* **Well Use:**
Driller's Name: *MATHES & ASSOC*

Screen Diameter: **Slot Size:** **Screen Length:**
Type: **Material:**
Set Between:

Gravel Pack Material/Size: **Vol/Wt Used:**
Method of Installation: **Placed:**

Grout Material/Size: **Vol/Wt Used:**
Method of Installation: **Placed**

WELL TEST DETAILS

Static Water Level: *11.3 ft.* **Test Rate:** **Associated Reports**
Drawdown: **Test Duration:** *CONST. DIAGRAM*

COMMENTS: *NONE*

WELL LOG

Formations	From	To
GRAY GRAVEL & CLAY	0	6
WHITE DOLOMITE	6	16

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Well log questions - Web site questions - Web policies

Water Well Log and Drilling Report

Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740 Fax: 614-265-6767

Well Log Number: 716732

View Image of Original Well Log

ORIGINAL OWNER AND LOCATION

Original Owner Name: *FOSTORIA INDUSTRIES*
County: *SENECA* **Township:** *JACKSON* **Section Number:** *31*
Address: *1200 MAIN ST* **Lot Number:**
City: **State:** *OH* **Zip Code:**
Location Number: **Location Map Year:** **Location Area:**
Latitude: **Longitude:**

CONSTRUCTION DETAILS

Borehole Diameter: 1: 2: **Borehole Depth:** 1: *100 ft.* 2: **Depth to Bedrock:**
Casing Diameter: 1: 2: **Casing Length:** 1: 2: **Casing Thickness:** 1: 2:
Casing Height Above Ground: **Aquifer Type:** *DOLOMITE*
Date of Completion: *1/30/1991* **Total Depth:** *100 ft.* **Well Use:**
Driller's Name: *MATHES & ASSOC*

Screen Diameter: **Slot Size:** **Screen Length:**
Type: **Material:**
Set Between:

Gravel Pack Material/Size: **Vol/Wt Used:**
Method of Installation: **Placed:**

Grout Material/Size: **Vol/Wt Used:**
Method of Installation: **Placed**

WELL TEST DETAILS

Static Water Level: *11.7 ft.* **Test Rate:** **Associated Reports**
Drawdown: **Test Duration:** *CONST. DIAGRAM*

COMMENTS: *NONE*

WELL LOG

Formations	From	To
BROWN SOIL	0	2
BROWN CLAY	2	8
TAN DOLOMITE	8	15
GRAY HARD DOLOMITE	15	100

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Well log questions - Web site questions - Web policies

Water Well Log and Drilling Report

Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740 Fax: 614-265-6767

Well Log Number: 716733

View Image of Original Well Log

ORIGINAL OWNER AND LOCATION

Original Owner Name: *FOSTORIA INDUSTRIES*

County: *SENECA* **Township:** *JACKSON* **Section Number:** *31*

Address: *1200 MAIN ST* **Lot Number:**

City: **State:** *OH* **Zip Code:**

Location Number: **Location Map Year:** **Location Area:**

Latitude: **Longitude:**

CONSTRUCTION DETAILS

Borehole Diameter: 1: 2: **Borehole Depth:** 1: *100 ft.* 2: **Depth to Bedrock:**

Casing Diameter: 1: 2: **Casing Length:** 1: 2: **Casing Thickness:** 1: 2:

Casing Height Above Ground: **Aquifer Type:** *DOLOMITE*

Date of Completion: *1/30/1991* **Total Depth:** *100 ft.* **Well Use:**

Driller's Name: *MATHES & ASSOC*

Screen Diameter: **Slot Size:** **Screen Length:**

Type: **Material:**

Set Between:

Gravel Pack Material/Size: **Vol/Wt Used:**

Method of Installation: **Placed:**

Grout Material/Size: **Vol/Wt Used:**

Method of Installation: **Placed**

WELL TEST DETAILS

Static Water Level: *13 ft.* **Test Rate:** **Associated Reports**

Drawdown: **Test Duration:** *CONST. DIAGRAM*

COMMENTS: *NONE*

WELL LOG

Formations	From	To
BROWN MOIST SOIL	0	4
GRAY SOIL	4	6
CLAY	6	6
DARK GRAY GRAVEL & CLAY	6	10
LT. GRAY DOLOMITE	10	16
GRAY DOLOMITE	16	26
TAN DOLOMITE	26	45
TAN DOLOMITE	45	56
COARSE DOLOMITE	56	76
LT. GRAY COARSE DOLOMITE	76	100

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Well log questions - Web site questions - Web policies

Water Well Log and Drilling Report

Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740 Fax: 614-265-6767

Well Log Number: 716734

View Image of Original Well Log

ORIGINAL OWNER AND LOCATION

Original Owner Name: *FOSTORIA INDUSTRIES*
County: *SENECA* **Township:** *JACKSON* **Section Number:** *31*
Address: *1200 MAIN ST* **Lot Number:**
City: **State:** *OH* **Zip Code:**
Location Number: **Location Map Year:** **Location Area:**
Latitude: **Longitude:**

CONSTRUCTION DETAILS

Borehole Diameter: 1: 2: **Borehole Depth:** 1: *18 ft.* 2: **Depth to Bedrock:**
Casing Diameter: 1: 2: **Casing Length:** 1: 2: **Casing Thickness:** 1: 2:
Casing Height Above Ground: **Aquifer Type:** *DOLOMITE*
Date of Completion: *1/30/1991* **Total Depth:** *18 ft.* **Well Use:**
Driller's Name: *MATHES & ASSOC*

Screen Diameter: **Slot Size:** **Screen Length:**
Type: **Material:**
Set Between:

Gravel Pack Material/Size: **Vol/Wt Used:**
Method of Installation: **Placed:**

Grout Material/Size: **Vol/Wt Used:**
Method of Installation: **Placed**

WELL TEST DETAILS

Static Water Level: *12.2 ft.* **Test Rate:** **Associated Reports**
Drawdown: **Test Duration:** *CONST. DIAGRAM*

COMMENTS: *NONE*

WELL LOG

Formations	From	To
BROWN SOIL	0	4
GRAY SOIL	4	6
CLAY	6	6
DARK GRAY CLAY	6	10
BROWN DOLOMITE	10	18

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Well log questions - Web site questions - Web policies

Appendix E

GIS Maps and Data Package

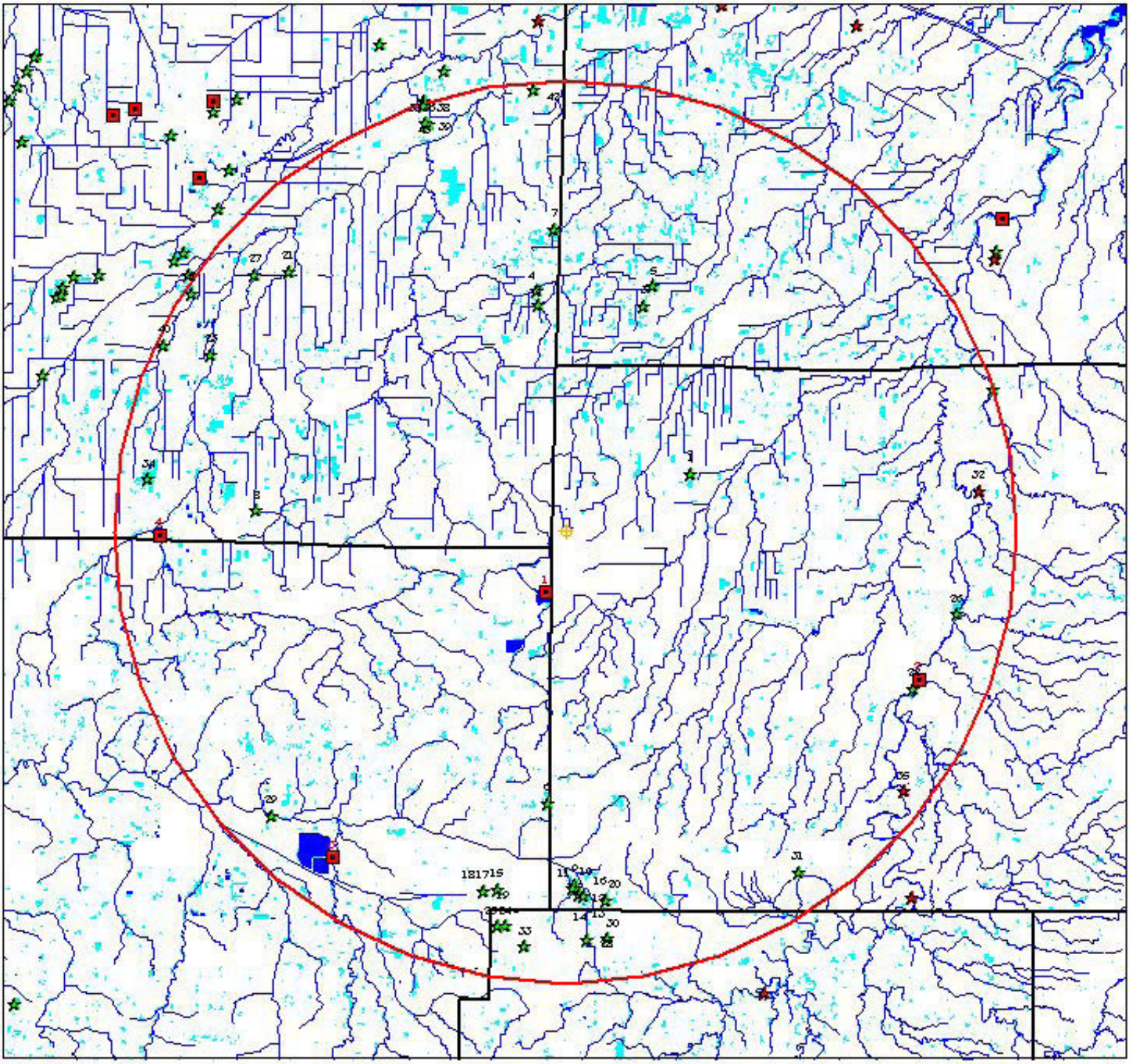
Ohio EPA

Division of Emergency & Remedial Response

GEOGRAPHIC INFORMATION SYSTEM 15-MILE RADIUS MAP

NATURAL HERITAGE DATA

Fostoria Industries



Site

US Endangered/Threatened Species

Ohio Endangered/Threatened Species

Public Surface Water Systems

Community

Non-Community/Transient

Non-Community/Non-Transient

Rivers & Streams

Wetland Area

Lakes & Ponds

Limit of Radius From Site

County Boundaries

4 0 4 8 Miles

N

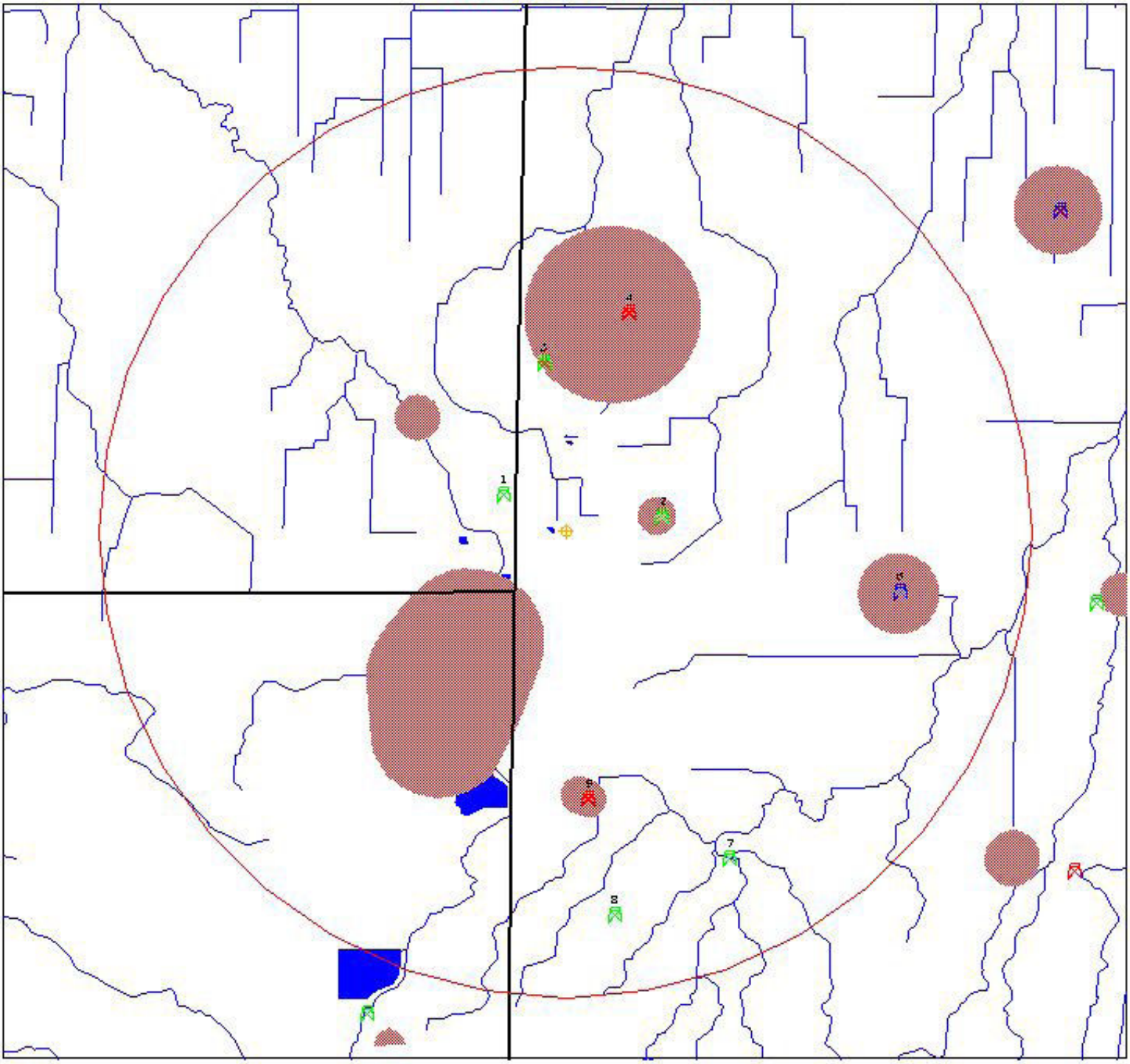
Ohio EPA

Division of Emergency & Remedial Response

GEOGRAPHIC INFORMATION SYSTEM 4-MILE RADIUS MAP

PUBLIC GROUND WATER SYSTEMS

Fostoria Industries



Site

Public Ground Water Systems
- Community
- Non-Community/Transient
- Non-Community/Non-Transient

Rivers & Streams
Wellhead Protection Area
Lakes & Ponds
Limit of Radius From Site
County Boundaries

1 0 1 Miles

N

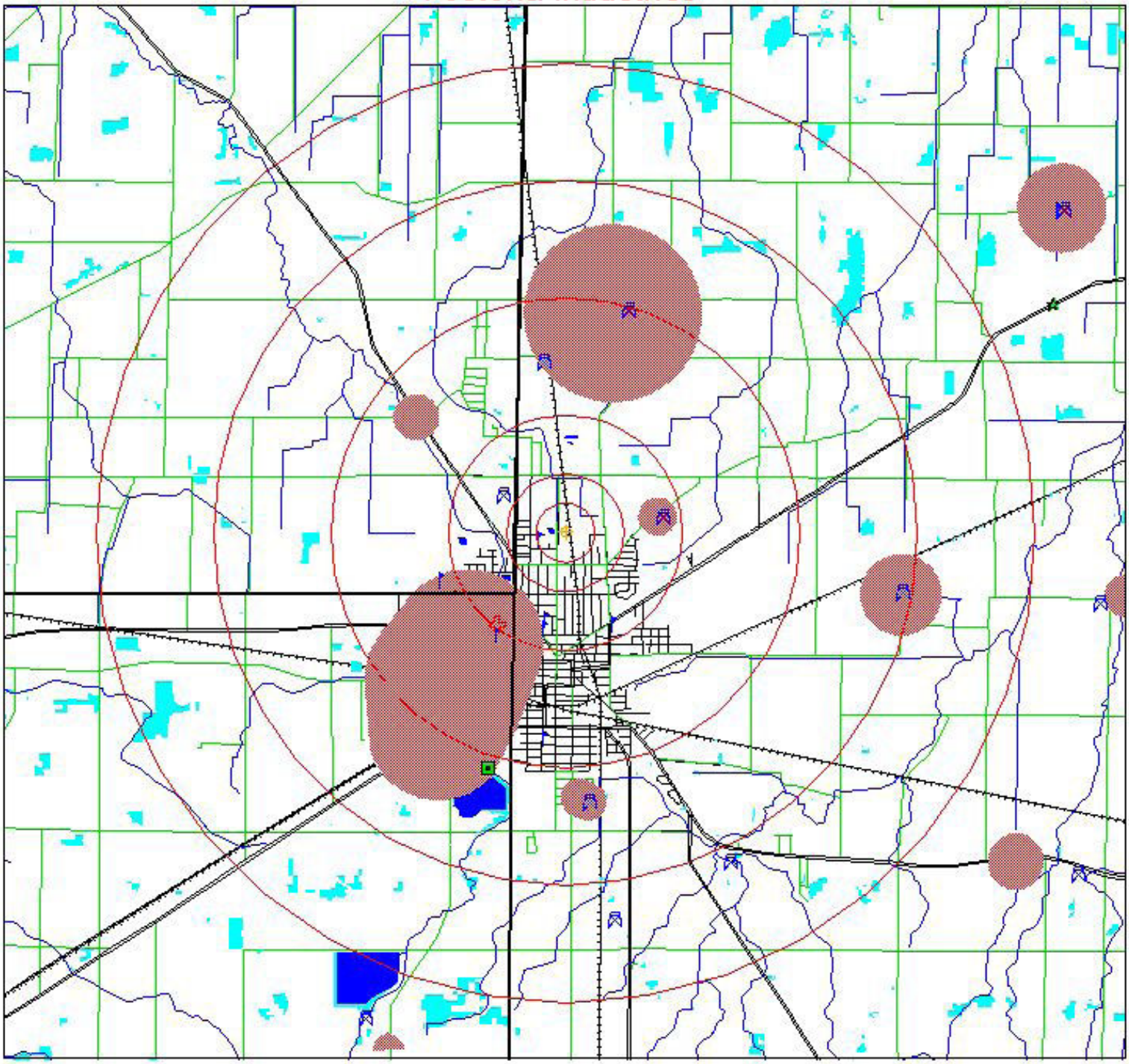
Ohio EPA

Division of Emergency & Remedial Response

GEOGRAPHIC INFORMATION SYSTEM 4-MILE RADIUS MAP

Seneca County

Fostoria Industries



Site
School
Hospital
Public Surface Water Systems
Public Ground Water Systems
US Endangered/Threatened Species
Ohio Endangered/Threatened Species

Wetland Area
Lakes & Ponds
Wellhead Protection Area
Limit of Radius From Site
County Boundaries

Rivers & Streams
Railroad
State and Federal Highways
Local Roads
Municipal Roads

N

2 0 2 Miles

Fostoria Industries
Natural Herritage Data

ID	STATUS	DISTANCE	SCIENTIFIC NAME	COMMON NAME
1	State Endangered	4.6085	LANIUS LUDOVICIANUS	LOGGERHEAD SHRIKE
2	State Threatened	7.6064	CAREX CRUS-CORVI	RAVEN-FOOT SEDGE
3	State Threatened	7.9822	CELTIS TENUIFOLIA	DWARF HACKBERRY
4	State Threatened	8.0685	HEDEOMA HISPIDA	ROUGH PENNYROYAL
5	State Threatened	8.6975	BARTRAMIA LONGICAUDA	UPLAND SANDPIPER
6	State Endangered	9.0184	CAREX ALOPECOIDEA	NORTHERN FOX SEDGE
7	State Threatened	10.0861	HEDEOMA HISPIDA	ROUGH PENNYROYAL
8	State Threatened	10.2890	CONYZA RAMOSISSIMA	BUSHY HORSEWEED
9	State Threatened	11.6983	CLEMMYS GUTTATA	SPOTTED TURTLE
10	State Threatened	11.7958	BETULA PUMILA	SWAMP BIRCH
11	State Threatened	11.8308	CLEMMYS GUTTATA	SPOTTED TURTLE
12	State Endangered	12.0119	POTAMOGETON GRAMINEUS	GRASS-LIKE PONDWEED
13	State Endangered	12.0119	ELEOCHARIS PAUCIFLORA	FEW-FLOWERED SPIKE-RUSH
14	State Threatened	12.0119	IXOBRYCHUS EXILIS	LEAST BITTERN
15	State Threatened	12.0493	CELTIS TENUIFOLIA	DWARF HACKBERRY
16	State Endangered	12.1167	CYPRIPEDIUM CANDIDUM	WHITE LADY'S-SLIPPER
17	State Threatened	12.1956	ARABIS HIRSUTA VAR ADPRESSIPILIS	SOUTHERN HAIRY ROCK CRESS
18	State Threatened	12.1956	ANEMONE CYLINDRICA	PRAIRIE THIMBLEWEED
19	State Threatened	12.1956	CELTIS TENUIFOLIA	DWARF HACKBERRY
20	State Threatened	12.2969	BARTRAMIA LONGICAUDA	UPLAND SANDPIPER
21	State Endangered	12.6366	FUNDULUS DIAPHANUS MENONA	WESTERN BANDED KILLIFISH
22	State Threatened	12.7092	MOXOSTOMA VALENCIENNESI	GREATER REDHORSE
23	State Endangered	13.1522	FUNDULUS DIAPHANUS MENONA	WESTERN BANDED KILLIFISH
24	State Threatened	13.2390	CELTIS TENUIFOLIA	DWARF HACKBERRY
25	State Threatened	13.2759	CELTIS TENUIFOLIA	DWARF HACKBERRY
26	State Endangered	13.2892	GOMPHUS EXTERNUS	PLAINS CLUBTAIL
27	State Endangered	13.3921	FUNDULUS DIAPHANUS MENONA	WESTERN BANDED KILLIFISH
28	State Threatened	13.5393	BETULA PUMILA	SWAMP BIRCH
29	State Endangered	13.5525	TOXOLASMA LIVIDUS	PURPLE LILLIPUT
30	State Threatened	13.5638	BARTRAMIA LONGICAUDA	UPLAND SANDPIPER
31	State Endangered	13.6942	LANIUS LUDOVICIANUS	LOGGERHEAD SHRIKE
32	Federally Threatened	13.8186	HALIAEETUS LEUCOCEPHALUS	BALD EAGLE
33	State Threatened	13.8319	CELTIS TENUIFOLIA	DWARF HACKBERRY
34	State Threatened	13.9561	BARTRAMIA LONGICAUDA	UPLAND SANDPIPER
35	Federally Threatened	14.1441	HALIAEETUS LEUCOCEPHALUS	BALD EAGLE
36	State Threatened	14.2846	DESCURAINIA PINNATA	TANSY MUSTARD
37	State Threatened	14.3217	ANDROSACE OCCIDENTALIS	WESTERN ROCK-JASMINE
38	State Threatened	14.3217	CONYZA RAMOSISSIMA	BUSHY HORSEWEED
39	State Threatened	14.3998	HEDEOMA HISPIDA	ROUGH PENNYROYAL
40	State Endangered	14.6894	FUNDULUS DIAPHANUS MENONA	WESTERN BANDED KILLIFISH
41	State Threatened	14.7464	ARABIS LYRATA	LYRE-LEAVED ROCK CRESS
42	State Threatened	14.7640	CONYZA RAMOSISSIMA	BUSHY HORSEWEED
43	State Threatened	14.9396	ELEOCHARIS COMPRESSA	FLAT-STEMMED SPIKE-RUSH

Fostoria Industries
Public Ground Water Systems

ID	PWS ID	SYSTEM TYPE	NAME	ADDRESS	CITY	ST	DISTANCE	POPULATION
1	8740712	Non-Community/Transient	WIGWAM RESTAURANT	2491 MCCUTCHENVILLE RD	FOSTORIA	OH	0.6181	38
2	7447712	Non-Community/Transient	WEBER RENTAL HALL	911 LINCOLN AVE	FOSTORIA	OH	0.8449	301
3	7434712	Non-Community/Transient	GRACE UN CH OF CHRIST	P O BOX 1277	FOSTORIA	OH	1.4629	160
4	7400712	Community	FOSTORIA MOBILE ESTATES	5473 N TWP RD 63,P.O.BOX 101	FOSTORIA	OH	1.9631	195
5	7401212	Community	PELTON MOBILE HOME PARK	12400 W AXELINE RD - LOT 1463	FOSTORIA	OH	2.3007	225
6	7448712	Non-Community/Non-Transient	CALIBER AUTOMOTIVE TRANS	3101 NORTH TOWNSHIP ROAD 47	FOSTORIA	OH	2.9164	25
7	7435912	Non-Community/Transient	LOUDON MEADOWS GOLF COUR	11072 COLUMBUS AVE. W SR 18	FOSTORIA	OH	3.1388	154
8	7434012	Non-Community/Transient	FOSTORIA UNITED SPORTSME	115 US 23N, P.O.BOX 611	FOSTORIA	OH	3.3184	50

Fostoria Industries
2000 Census Data

RADIUS	TOTAL	WHITE	BLACK	INDIAN	ASIAN	HAWAII_PAC	OTHER
3.00 - 4.00	2266	2134	46	4	8	0	73
2.00 - 3.00	4028	3684	132	12	13	0	188
1.00 - 2.00	6373	5598	347	15	34	0	380
0.50 - 1.00	3044	2676	161	5	11	0	192
0.25 - 0.50	1256	1054	101	1	8	0	92
0.00 - 0.25	260	176	46	0	1	0	37
TOTALS	17227	15322	833	37	75	0	962

Fostoria Industries
Public Surface Water Systems

ID	PWS ID	SYSTEM TYPE	NAME	ADDRESS	CITY	ST	DISTANCE	POPULATION
1	7400411	Community	FOSTORIA, CITY OF	PO BOX 1007	FOSTORIA	OH	2.1176	15062
2	7400614	Community	OH/AM WATER-TIFFIN DISTR	DRAWER T	TIFFIN	OH	12.7000	21000
3	3200111	Community	FINDLAY, CITY OF	110 NORTH BLANCHARD STREET	FINDLAY	OH	13.3173	40000
4	8701611	Community	NORTH BALTIMORE, VLG OF	205 NORTH MAIN STREET	NORTH BALTIMORE	OH	13.5018	3229