# **Tronox LLC, Columbus**

# **General Information**

ID	Branch	SIC	County	Basin	Start	End
1696	Chemical	2491	Lowndes	Tombigbee River	10/27/1992	

## Address

Physical Address (Primary)	Mailing Address
2300 14th Avenue North	PO Box 268859
Columbus, MS 39701	Oklahoma City, OK 731268859

## **Telecommunications**

Туре	Address or Phone
Work phone number	(405) 775-5129

**Alternate / Historic AI Identifiers** 

Alt ID	Alt Name	Alt Type	Start Date	End Date
2808700020	Tronox LLC, Columbus	Air-AIRS AFS	10/12/2000	06/01/2002
168000020	Kerr McGee Chemical Corporation, Columbus	Air-Construction	06/12/1998	
168000020	Kerr McGee Chemical Corporation, Columbus	Air-Synthetic Minor Operating	06/06/1997	06/01/2002
168000020	Kerr McGee Chemical Corporation, Columbus	Air-Synthetic Minor Operating	06/12/1998	06/01/2002
MSR220010	Kerr McGee Chemical Corporation, Columbus	GP-Wood Treating	10/27/1992	07/13/1997
MSD990866329	(Corporation, Columbus	Hazardous Waste-EPA ID	10/12/2000	
MSD990866329	Kerr McGee Chemical Corporation, Columbus	Hazardous Waste-TSD	06/11/2001	04/12/2006
MSD990866329	Tronox LLC, Columbus	Hazardous Waste-TSD	04/13/2006	05/31/2011
1696	Kerr McGee Chemical Corporation	Historic Site Name	10/27/1992	04/10/2006
1696	Tronox, LLC	Official Site Name	04/10/2006	
MSP090021	Kerr McGee Chemical Corporation, Columbus	Water-Pretreatment	10/11/1994	10/10/1999
MISPHACHIZI	Kerr McGee Chemical Corporation, Columbus	Water-Pretreatment	08/23/2000	07/31/2005
	Kerr McGee Chemical Corporation, Columbus	Water-Pretreatment	10/31/2005	04/12/2006
MSP090021	Tronox LLC, Columbus	Water-Pretreatment	04/13/2006	09/30/2010

**Regulatory Programs** 

regulatory i rograms					
Program	SubProgram	Start Date	<b>End Date</b>		
Air	NSPS Subpart Dc	09/12/1990	06/01/2002		
Air	SM	06/06/1997	06/01/2002		
Hazardous Waste	Large Quantity Generator	04/01/1997			
Hazardous Waste	TSD - Not Classified	06/11/2001			
Water	PT CIU	10/11/1994	09/01/2003		
Water	PT CIU - Timber Products	10/11/1994	09/01/2003		

	Processing (Subpart 429)		
Water	PT NCS	09/01/2003	
Water	PT SIU	10/11/1994	

# **Locational Data**

Latitude	Longitude	Metadata	S/T/R	Map Links
33 ° 30 '	88 ° 24 '	Point Desc: PG - Plant entrance (General) Data collected by Louis Crawford on 7/11/00. PG - Plant Entrance (General) Data collected by Clift Jeter on 6/13/02. LAT 33deg 30min 36.6sec LON 88deg 24min 35.1sec  Method: GPS Code (Psuedo Range) Differential Datum: NAD83 Type: MDEQ	Section:	SWIMS
38 .51	34 .02		Township:	TerraServer
(033.510697)	(088.409450)		Range:	Map It

10/13/2006 10:29:50 AM

# **Kerr McGee Chemical Corporation, Columbus**

# **General Information**

ID	Branch	SIC	County	Basin	Start	End
1696	Chemical	2491	Lowndes	Tombigbee River	10/27/1992	

#### Address

	Mailing Address
Physical Address (Primary)	Mailing Address
2300 14th Avenue North Columbus, MS 39701	PO Box 25861 Oklahoma City, OK 73125

#### **Telecommunications**

Туре	Address or Phone
Work phone number	(405) 270-2625

Alternate / Historic AI Identifiers

Alt ID	Alt Name	Alt Type	Start Date	End Date
08700020	Kerr McGee Chemical Corporation, Columbus	Air-AIRS AFS	10/12/2000	
168000020	Kerr McGee Chemical Corporation, Columbus	Air-Construction	06/12/1998	
168000020	Kerr McGee Chemical Corporation, Columbus	Air-Synthetic Minor Operating	06/06/1997	06/01/2002
168000020	Kerr McGee Chemical Corporation, Columbus	Air-Synthetic Minor Operating	06/12/1998	06/01/2002
MSR220010	Kerr McGee Chemical Corporation, Columbus	GP-Wood Treating	10/27/1992	07/13/1997
MSD990866329	Kerr McGee Chemical Corporation, Columbus	Hazardous Waste-EPA ID	10/12/2000	
MSD990866329	Kerr McGee Chemical Corporation, Columbus	Hazardous Waste-TSD	06/11/2001	05/31/2011
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MSP090021	Kerr McGee Chemical Corporation, Columbus	Water-Pretreatment	08/23/2000	07/31/2005
MSP090021	Kerr McGee Chemical Corporation, Columbus	Water-Pretreatment	10/31/2005	09/30/2010

**Regulatory Programs** 

Program	SubProgram	Start Date	End Date

Air	NSPS Subpart Dc	09/12/1990	
Air	SM	06/06/1997	ď
Hazardous Waste	TSD - Not Classified	06/11/2001	
Water	PT CIU	10/11/1994	09/01/2003
Water	PT CIU - Timber Products Processing (Subpart 429)	10/11/1994	09/01/2003
Water	PT NCS	09/01/2003	
Water	PT SIU	10/11/1994	III.

# **Locational Data**

Latitude	Longitude	Metadata	S/T/R	Map Links
33 ° 30 ' 38 .51 (033.510697)	88 ° 24 ' 34 .2 (088.409450)	Point Desc: PG - Plant entrance (General) Data collected by Louis Crawford on 7/11/00. PG - Plant Entrance (General) Data collected by Clift Jeter on 6/13/02. LAT 33deg 30min 36.6sec LON 88deg 24min 35.1sec	Section: Township: Range:	SWIMS TerraServer Map It
		Method: GPS Code (Psuedo Range) Differential Datum: NAD83 Type: MDEQ	1 = -	

Report Date: 11/16/2005 7:36:49 AM

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MSP090021	Tronox LLC, Columbus	Water-Pretreatment	04/13/2006	09/30/2010

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Regulatory riograms			
Program	SubProgram	Start Date	End Date
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	Processing (Subpart 429)		
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6	12	Differential Datum: NAD83 Type: MDEQ		

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# **Health Consultation**

# **Exposure Investigation Report**

Drinking Water Sampling from Homes Near the Kerr McGee Chemical Corporation

COLUMBUS, MISSISSIPPI

EPA FACILITY ID: MSD990866329

**SEPTEMBER 22, 2008** 

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Agency for Toxic Substances and Disease Registry
Division of Health Assessment and Consultation
Atlanta, Georgia 30333

# **HEALTH CONSULTATION**

**Exposure Investigation Report** 

Drinking Water Sampling from Homes Near the Kerr McGee Chemical Corporation

COLUMBUS, MISSISSIPPI

EPA FACILITY ID: MSD990866329

# Prepared by:

U.S. Department of Health and Human Services Agency for Toxic Substances and Disease Registry Division of Health Assessment and Consultation Exposure Investigation & Site Assessment Branch

# **Executive Summary**

At the request of the community, in April 2008, ATSDR sampled drinking (tap) water in homes near a closed wood-treating plant in Columbus, MS – the former Kerr McGee Chemical Corporation. ATSDR took 16 total samples: 10 from homes where people reported that their tap water had frequent discoloration (e.g., staining, grease, and solids), putrid odors, and a foul taste; 4 from homes further away from the closed plant; and two from the city's water treatment plants.

The water was tested for chemicals typically found at wood treating plants including polycyclic aromatic hydrocarbons (PAHs), phenols (including pentachlorophenol (PCP)), and total petroleum hydrocarbons (TPH). Select samples were also tested for chlorinated dioxins and furans. Because people reported problems with their water, ATSDR also tested the water for things that typically discolor water or give it a bad odor or taste. Those tests included turbidity, pH, iron, manganese, sulfide, and residual chlorine.

We found no indication that chemicals associated with the former wood-treating plant are infiltrating the city's drinking water system. The results showed no PAHs, phenols (including PCP), or TPH in any of the 16 samples. Two of those samples were selected for further testing for chlorinated dioxins and furans. None were detected.

The discoloration, taste, and odor test results, also, did not exceed water quality standards. The turbidity, pH, manganese, sulfide, and residual chlorine levels were within the recommended ranges. Iron was detected as high as  $68 \mu g/L$  – well below the Environmental Protection Agency's (EPA) secondary maximum contaminant level (SMCL) of  $300 \mu g/L$ .

Although the iron levels in the city of Columbus water system have not been reported to exceed the EPA guideline, a review of the City's water data showed that iron levels occasionally have reached the taste threshold (metallic taste at  $100 \mu g/L$ ) and may approach staining levels.

# ATSDR recommends the following:

- 1. People with iron overload or hemochromatosis should consider using bottled water for drinking or filtering their water to remove the iron.
- 2. To reduce iron spotting on clothes, consider using non-chlorine bleach when washing clothes
- 3. To remove the metallic taste from water, individuals should consider installing a whole-house iron filter.

# **Objectives and Rationale**

The purpose of this Exposure Investigation (EI) was to determine if people living near a closed wood-treating plant in Columbus, MS – the former Kerr McGee Chemical Corporation – are being exposed to harmful levels of chemicals associated with the plant in their drinking (tap) water.

# **Background**

ATSDR was asked to investigate whether people were being exposed to the contaminants from a closed wood-treating plant (the former Kerr-McGee Chemical Corporation) in Columbus, Mississippi. That request came in 2004 from a community member. The plant operated for approximately 75 years (1928-2003). While operational, Kerr-McGee manufactured pressure-treated railroad products such as wooden crossties, switch ties, and timbers. The production process at the plant used creosote and creosote coal tar solutions to produce pressure-treated railroad products. Creosote contains polycyclic aromatic hydrocarbons (PAHs)

Figure 1. Photograph of houses near ditch

and is a complex mixture of different chemicals. The plant also used pentachlorophenol (PCP) for wood-treating from the 1950s until the mid-1970s (Dahlgren 2003). Technical grade PCP contains trace amounts of chlorinated dibenzo-dioxins and chlorinated dibenzo-furans (NIOSH 1983, ATSDR 2001).

Local residents were concerned that contaminants from the wood treating plant spilled into roadside ditches and washed into their yards (Figure 1). In 2000, blood samples from ten community members were tested and found to contain dioxin and dioxin-like compounds (Dahlgren 2003). The blood results did not identify an exposure source; most people have some measurable level of dioxin and dioxin-like compounds in their blood from multiple environmental sources. Contaminants associated with the plant had been found in ditch sediments near the plant (3TM 2001). In November 2004, Kerr-McGee removed contamination from roadside ditches (ERM 2005).

<sup>1</sup> It is now believed that incineration/combustion processes are the most important sources of chlorinated dioxins (CDDs) to the environment. Important incineration/combustion sources include: medical waste, municipal solid waste, hazardous waste, and sewage sludge incineration; industrial coal, oil, and wood burning; secondary metal smelting, cement kilns, diesel fuel combustion, and residential oil and wood burning. For the general population, more than 90% of the daily intake of CDDs, CDFs, and other dioxin-like compounds comes from food, primarily meat, dairy products, and fish (ATSDR 1998). http://www.atsdr.cdc.gov/toxprofiles/tp104-c5.pdf)

true for PAHs and phenols.

The drinking water in Columbus is delivered to the homes in piping that is under positive pressure (i.e., the water is pushing outward on the pipe). While water is flowing through the pipe, it is unlikely that contaminants could infiltrate the water line even if there were a crack or hole. When the stoppage of water occurs (e.g., during repairs or breaks in the water line or during nearby fire fighting), back-siphonage backflow can occur. Back-siphonage backflow is the reversal of normal flow in a system caused by negative pressure (a vacuum or partial vacuum) in the supply piping. The effect is similar to the sipping of an ice cream soda through a straw. The liquid is drawn into the low pressure (suction) area (Michigan State University 1993). At that time, soil contaminants in the vicinity of the broken line could enter the out of service line.

## **Methods**

## **Target Population Demographic**

In 2000, there were 3,783 housing units within a one mile radius of the former Kerr McGee Chemical Corporation housing 8,984 people. Twenty-three percent (23%) were white, 76% were black, and 1% other races. There were 1,031 (11%) children under age 6 and 1,188 (13%) people over age 65 (U.S. Census Bureau, 2000).

## **Exposure Investigation Design**

Choosing the Sampling Locations

#### **Drinking Water Survey**

In December 2007, the community administered a simple drinking water questionnaire designed by ATSDR (Appendix A). Nine people living in homes near the former Kerr McGee Chemical Corporation provided answers. ATSDR used the responses in planning the EI.

## Other Criteria

ATSDR collected samples near areas with contaminated soil, sediment, and groundwater (i.e., near the plant and the overflowing ditches, near historical contamination) and outside those contaminated areas for comparison. Additionally, ATSDR considered the following when deciding where to collect tap water samples:

• Age of homes within a one mile radius of the plant (as an indication of age of pipes):

Most of the homes closest to the plant were built between 1969 and 1989 (U.S. Census Bureau, 2000). There are older and newer homes further from the plant. We targeted homes that were older or relatively the same age as those closest to the plant. The nine people surveyed live in the area where homes were built between 1969 and 1989.

# **Environmental Sampling**

# Data Collection/Sampling Procedures

ATSDR spent 2½ days in the Columbus area assessing the proposed sampling locations, talking to residents about the project, explaining the sampling procedures, and getting consent for sampling. After they consented, we collected the PAH, phenol, and dioxin samples and field tested the water for residual chlorine, turbidity, and pH.

We then asked residents to collect a "first draw" sample on April 24<sup>th</sup> because they had reported that their water is worse when they first turn it on after not using it for a while. We provided containers, coolers, and ice (if requested) for sample collection. They collected "first draw" samples for TPH, iron & manganese, and sulfur and were asked to put the samples in coolers or their refrigerator. ATSDR gathered those samples from the residents the morning of April 24<sup>th</sup>. The contractor transported all samples to their laboratory in Mobile, Alabama for analysis.

## Sampling Locations

ATSDR collected tap water samples at 16 different locations and from both water treatment plants. Those included the following:

- o 6 north, northeast of the plant (1 for pH, turbidity, and free chlorine only)
- o 6 south, southeast of the plant (1 for pH, turbidity, and free chlorine only)
- o 1 west of the plant (within one mile, likely outside the area of susceptibility)
- o 1 east of the plant (within one mile, likely outside the area of susceptibility)
- o 2 far south of the plant (both closer to the 2<sup>nd</sup> city well field)
- o 1 from the Waterworks Road water treatment plant (east of the wood-treating plant)
- o 1 from the water treatment plant near airport

## Laboratory Analytic Procedures

- PAHs and phenols: All samples sent to the laboratory were analyzed for PAHs and phenols.
- Total Petroleum Hydrocarbon (TPH): Both creosote and PCP have hydrocarbons associated with their mixtures. Coal tar creosote is a thick, oily liquid and PCP is a solid that is dissolved in a solvent such as mineral spirits, No. 2 fuel oil, or kerosene before being used to treat wood products (ATSDR 2001). We tested all samples sent to the laboratory for the presence of TPH as a screening for which samples to select for chlorinated dioxins and furans analysis.
- **Dioxins**: Dioxin and furan samples were collected from all locations, but only two samples were selected for analysis. We used the test results from the PAHs, phenols, TPH, turbidity and pH (*see below*) as well as the distance to the plant or known contamination areas to determine which samples should be analyzed.

## **Results**

No harmful levels of chemicals were found in the water. The results showed no PAHs, phenols (including PCP), or TPH in any of the 16 samples. Two samples were selected for further testing for chlorinated dioxins and furans. Those compounds were not detected.

The discoloration, taste, and odor tests, also, did not exceed water quality standards. The turbidity, pH, manganese, sulfide, and residual chlorine levels were generally within the recommended ranges. Although low levels of iron were detected, it was well below the Environmental Protection Agency's (EPA) secondary drinking water standard and ATSDR's health comparison value.

Table 2 lists the summary results and the comparison values.

#### **Discussion**

Although the samples were collected at one point in time, there is no indication that chemicals associated with the former wood-treating plant are infiltrating the city's drinking water system. We believe it is unlikely that the wood-treating chemical could have infiltrated the drinking water system now or in the past for the following reasons:

- 1. Drinking water sample results near and far from the former Kerr McGee plant were similar Results from homes southeast had similar results to those north and west of the plant indicating no infiltration to the piping.
- 2. The current drinking water comes from very deep wells The city of Columbus uses water from two clusters of deep wells four in each; all greater than 800 feet deep in the Coker formation, which is a deep aquifer. The groundwater contamination is localized near the former Kerr McGee plant and has not penetrated into the deepest aquifer. The 2005 Corrective Action report on groundwater indicates that the areas of groundwater contamination at the plant are in the alluvial and Eutaw formations (Kerr McGee 2005).
- 3. The drinking water piping is usually under positive pressure (i.e., the water is pushing outward on the pipe) Because of positive pressure while water is flowing through the pipe, it is unlikely that contaminants could infiltrate the water line even if there were a crack or hole.
- 4. Notifications of loss of water pressure & flushing lines During normal repairs or minor breaks when pressure is maintained Columbus Light and Water isolates the break, makes repairs, rechlorinates the line, and flushes the isolated line in accordance with the MS Department of Health guidelines. According to Columbus Light and Water, most breaks are repaired without lowering the pressure in the line. In cases where pressure is lost, Columbus Light and Water notifies the MS Department of Health and the local media to issue a boil water notice and follows the steps listed above including bacteriological sampling (Columbus Light and Water 2008b).
- 5. Previous drinking water intake was upstream of Kerr McGee plant The city of Columbus began using the deep wells in the late 1970s to early 1980s. Prior to that time, the drinking water for Columbus came from Luxapalila Creek. Review of topographic maps shows that the drinking water intake was close to one mile upstream of the former Kerr McGee wood-treating plant (i.e., above where runoff could enter the creek).

#### Iron

People in Columbus have reported that their tap water has frequent discoloration (e.g., staining, grease, and solids), putrid odors, and a foul taste. ATSDR did not notice any water discoloration or odor while we were sampling in Columbus. However, during our sampling in April 2008, ATSDR detected iron in one home as high as  $68 \mu g/L$ ; the city water treatment plants had levels <25 and  $39 \mu g/L$  respectively. Those levels are <u>not</u> above an EPA guideline.

EPA has not set maximum contaminant levels (MCL) for iron in the National Primary Drinking Water Regulations. Secondary maximum contaminant levels (SMCL) recommended in the National Secondary Drinking Water Regulations are set for aesthetic reasons (e.g., color, taste, odor) and are not enforceable by EPA, but are intended as guides to the states. The SMCL for iron is 300 μg/L. States may adopt SMCLs as guidelines or enforce them as contaminants (U.S. Department of Agriculture 1999). Mississippi uses the SMCL as a guideline.

High levels iron can result in discolored water, stained plumbing fixtures, laundry spotting (made worse by the use of chlorine bleach (Ohio State University Extension, University of Idaho 1991), and an unpleasant metallic taste to the water. Iron's metallic taste may be objectionable to some at 100 µg/L (for ferrous iron) and 200 µg/L (for ferric iron) (Kentucky Division of Water 2006).

ATSDR reviewed the iron levels for the past 7 years from the city of Columbus' water treatment plants. Iron from the city's eight deep wells was typically  $10,000~\mu g/L$  in the raw (untreated) water and  $80~\mu g/L$  in the treated water. At times, iron in the treated water delivered to the community has been as high as  $250~\mu g/L$  (North plant, January 2006) and recently  $180~\mu g/L$  (North plant, January). According to Columbus Light and Water, the high iron levels typically occur when they are flushing the system or when the water is needed for emergencies such as fire protection (Columbus Light and Water 2008b). For the month of April 2008, the average treated water concentration for both the North and South treatment plants was  $60~\mu g/L$  (Columbus Light and Water 2008a). Some of the iron levels were close to the metallic taste level of  $100~\mu g/L$ .

Although not above the EPA guideline, it appears that occasionally the iron levels in this system could reach the taste threshold and approach staining levels. Besides the water supply, iron can come from older piping in the home and/or the piping in the City's distribution system. According to Columbus Light and Water, they are replacing older piping in the system when they are making repairs, but the system still has a lot of older pipes (ATSDR 2007).

There is a health condition for which too much iron can be dangerous. Iron overload or hemochromatosis occurs when the body absorbs too much iron from foods (and other sources such as vitamins containing iron). Although hemochromatosis can have other causes, in the United States the disease is usually caused by a genetic defect. The genetic defect is inherited from both parents and is present at birth, but symptoms rarely appear before adulthood. The iron overload associated with hemochromatosis can be detected through two blood tests. Treatment consists of periodically taking blood from the arm, much like giving blood (CDC 2008).

# **Authors, Technical Advisors**

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Agency for Toxic Substances and Disease Registry



## References

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# **APPENDICES**

Appendix A. Drinking Water Questionnaire

Appendix B. Environmental Factors near the former Kerr McGee Chemical Corp, Columbus, MS

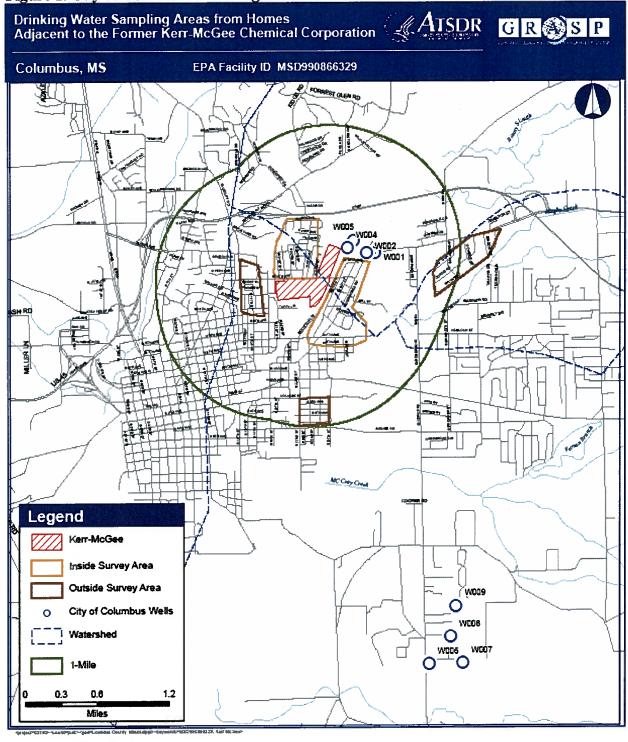
Appendix C. Recommended Tests in Response to Key Water Quality Issues

# Appendix A. Drinking Water Questionnaire

- 1. When there is a problem with the water, what does it water look like?
- 2. Does it have an odor? If so, what does it smell like?
- 3. If it has a noticeably different taste, what is that taste?
- 4. How often does the water event happen?
- 5. Do you still have the problem?
- 6. When was the last time this happened?
- 7. Does any event precede it, like rain?
- 8. Is there a time of day or week it is worse? (e.g., with first use of water in the morning, noon, evening, during the weekend, weekdays)?

# Appendix B. Environmental Factors near the former Kerr McGee Chemical Corp, Columbus, MS

Figure 1. City of Columbus Drinking Water Well Locations



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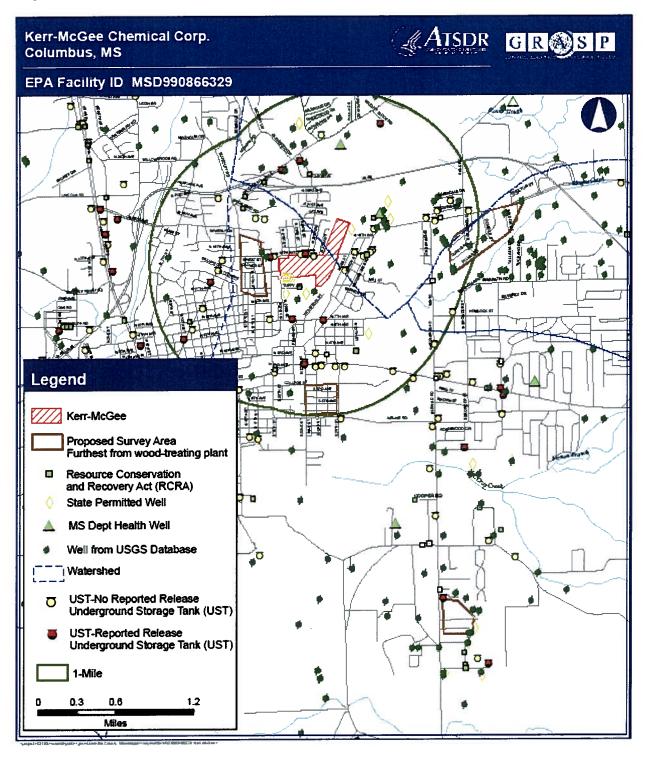
FOR INTERNAL AND EXTERNAL RELEASE

#ATSOR

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY UNITED STATES DEPARTMENT OF HEALTH AND HUMAN SERVICES



Figure 2. Underground Storage Tank Locations (USTs) near Kerr McGee, Columbus, MS





FOR INTERNAL AND EXTERNAL RELEASE

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY | UNITED STATES DEPARTMENT OF HEALTH AND HUMAN SERVICES

# Appendix C. Recommended tests in response to key water quality issues

Issue	Recommended Test
Corrosion of pipes, plumbing	pH, alkalinity, lead, copper
Stained plumbing fixtures, laundry	Copper, iron, manganese
Objectionable taste or smell	Hydrogen sulfide, ammonia, metals algae in source water



MISSISSIPPI DEPARTMENT
OF ENVIRONMENTAL QUALITY

# **CHAIN OF CUSTODY RECORD**

POLLUTION CONTROL LABORATORY 121 Fairmont Plaza Pearl, Mississippi 39208

(PRINT)	NISHED BY:	The Condis	RELINQUISHED BY-	. 27	9			MFC-106 7/1 1230	6 7/1	8 8 7/1	MFC-7 6 7/1 1130	6	MFC-5 6 7/1 1020	MFC-4 6 7/1 0950	MFC-3 60 7/1 0405	2	-//	SITE NO. SA DATE TIME	1997		3. POTABLE WATER 8. WASTE 4. WASTEWATER 9. AIR 5. LEACHATE 10. FISH		SUMBUS !	MARA JATATA
(PRINT)	Ц		DATE/TIME RECEIVED BY:					Dinah hours 14c	Kere-1	BEHIND GRAHAM	$\times$	WILLIERT UNDER PRES MUS ST	Minuset was NTAO, Referent water	><	CULVERT UNDER UMERWALLS DO	N Vessen #1	KCKER @ 1. MRSECHI - & N Thu E-N	SB STATION LOCATION/DESCRIPTION	D. C.		P ?	AMPLERS (SIGN)	Des Co,	FAITH CENTER
(PRINT)	RELINQUISHED BY: DATE/TIME	(SIGN)	RELINQUISHED BY: DATE/TIME									7				7		(2) C/A (C/A) (A) (A)	TO SOLDS ORE PESTAGE AND LOCKED A	submit-	2 Cicio	LE/ADD neter	DATA TO:	אוריינט וס:
(PRINT)	RECEIVED BY:	(SIGN)	RECEIVED BY:					/ / / / / / / / / / / / / / / / / / / /	1809	1808	/502	1306	1301	1864	/303	1800	/80)	REMARKS	No.	1	ONLY	LAB		

NOTICE: Must use a separate form for each ice chest. DISTRIBUTION: White copy is returned to samples; Pink copy retained by samples.

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3/91

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

# CHAIN OF CUSTODY RECORD

POLLUTION CONTROL LABORATORY 121 Fairmont Plaza Pearl, Mississippi 39208

SAMPLERS (SIGN)  SAMPLERS (SIGN)  SAMPLERS (SIGN)  SAMPLERS (SIGN)  SAMPLERS (SIGN)  A		8							. 4 <sup>-3</sup>		i i					827								
SAMPLERS (SIGN)  A.  SAMPLERS (SIGN)  A.  B.  B.  C.  C.  C.  C.  C.  C.  C.  C	SIGN	RELINQUISHED BY:	BON 2 Just	RELINQUISHED BY 1 775	_	sec	'n.			•	-106 711	9 6 7/1	-887/	1/1	6 6 7/1 1	5 6 7/	-4 6 7/1	3 6 7/1	1/1/18/2	167/1	SMPLETYFE 1991	5,007,0	DEC	AJA
ISHED BY:		RECEIVED	SIS ISIGN) (	A'	K	1					Ditall King 145	KIRK Might RK	RAHINO GRAHAM RUNG	REHIND GRAHAM	WWW.MT UNDER RRE MISS	KNUEST WAR NTAN, - R thorage	KULWERT @ NMARVING ST & MUSS	CULVERET UNDER UMBanwers	Wessere #	Kekeek @ intexsering & N			SAMPLERS (SIGN)	TH C'c
ANALYSIS DATE/TIME		RELINQUISHED BY:	(SIGN)	(PANT)																	(S)	CIRCLE/ADD parameter desired. List no. of con- tainers submit-	DATA TO:	
						_		_			_	1505	8031	1807	1806	1805	1804	1803	1802	/891	*	USE ONLY		

( - %

# BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

Lab Bench No.

Type   Parameters   Test value   7/1/79   0872			v. Paailit	v Name	MARAJA	THA	FAITH	CENTER	i i
Date Requested   T/2/37	. <u>GE</u>	NERAL INFORMATIO	N: Facilit	y Rame _/	1-17-14 15/1	MIDES	Permit No.	0.72	
Date Point Identification	Co	ounty Code Low	70R2			D	ate Reques	ted 7/2/99	
Requested By	Di	scharge No.	161	4150-1		•	•		
Requested by   Type   Composite (Flow   Time   Other (	Sa	imple Point Ident	ification -	MIPCI		D	ata To 🔏	SHELTON	- Targes
I. SAMPLE IDENTIFICATION: Environment Condition   Province   Pro	Re	equested By	13,74	emocite	(Flow )	(Time	) Other		· · · · · · · · · · · · · · · · · · ·
Type	Тy	pe of Sample: G		Omposite	(110")	•	•	<del></del> _	
Type	. <u>SA</u>	MPLE IDENTIFICAT	10N:	11-			Collec	ted By W. SPV	R/B, FERGU
Type	En	vironment Condit	10n / C ;	1-01	771 57 4	17AJ	E. L. 1	J 26 ST.	/
1.	Wh	<del></del>	AF AT	meters	7-0			Date	Time
2. 3. 4. 5. FIELD: Analysis		Type	False -	1/20		Ice		7/1/99	0825
3. 4. 5. 1. FIELD: Analysis	1.	Sopimer	<u> &gt;emi-</u>	V00	<del></del>				
S.   S.   S.   S.   S.   S.   S.   S.									
Sign									
I. FIED:   Analysis   Computer Code   Request   Results   Analyst   Date									
Analysis   Computer Code   Request   Results   Analyst   Service									
Analysis			Compute	r Code	Request	Resu	lts	Analyst	Date
D.O.   (000300)   ()					()				
Temperature			•	-	Ò				
Residual Chlorine			,	-	$\dot{}$				
Flow   (074060)   ()			•		$\sim$			Ti	
Note		- <del>-</del> -	•	-	$\sim$				
V.   LABORATORY:   Received By   Date   Sent to State Office   Date   Sent to State Office   Date   Sent to State Office	F)	low			RO Vehicle		Other ()		
Name	7. <u>Ti</u>	RANSPORTATION OF	SAMPLE:	12 ()				7 - 49	Time 1005
Computer   Result   Analyst   Measure   Result   Measure   Result   Measure   Result   Measure   Result   Analyst   Measure   Result   Measure   Measure   Result   Result			ved by			Date S	ent to Sta	te Office	
Analysis   Code   Request   Result   Analyst   Result	Re		Communitari						Date
Maily   Mail			-	Poquest		Result		Analyst	Measured
Solid				Request					*
TOC (000680) () mg/1 Suspended Solids (099000) () mg/1 TKN (000625) () mg/1 Ammonia-N (000610) () mg/1 Fecal Coliform(1) (074055) () colonies/100 ml				( )	<del></del>				
Suspended Solids (099000) () mg/1  TKN (000625) () mg/1  Ammonia-N (000610) () colonies/100 ml  Fecal Coliform(1) (074055) () colonies/100 ml  Total Phosphorus (000665) () mg/1  Oil and Grease(1) (000550) () mg/1  Oil and Grease(2) (000550) () mg/1  Chlorides (099016) () mg/1  Phenol (032730) () mg/1  Total Chromium (001034) () mg/1  Hex. Chromium (001032) () mg/1  Copper (001042) () mg/1  Lead (017501) () mg/1  Cyanide (000722) ()  ()  ()  ()  ()  ()  ()  ()  ()  ()			•						
Suspended Solius (000625) () mg/1  Ammonia-N (000610) () mg/1  Fecal Coliform(1) (074055) () colonies/100 ml			•	( )					
Ammonia-N (000610) () mg/1  Fecal Coliform(1) (074055) () colonies/100 ml			•						
Ammonia-N (074055) ( ) colonies/100 ml				( )					
Fecal Coliform(2) (074055) ( ) colonies/100 ml  Total Phosphorus (000665) ( ) mg/1  Oil and Grease(1) (000550) ( ) mg/1  Oil and Grease(2) (000550) ( ) mg/1  Chlorides (099016) ( ) mg/1  Phenol (032730) ( ) mg/1  Total Chromium (001034) ( ) mg/1  Hex. Chromium (001032) ( ) mg/1  Zinc (001092) ( ) mg/1  Copper (001042) ( ) mg/1  Lead (017501) ( ) mg/1  Cyanide (000722) ( ) mg/1  ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (			•	( )		olonias/			*
Total Phosphorus (000665) ( ) mg/l  Oil and Grease(1) (000550) ( ) mg/l  Oil and Grease(2) (000550) ( ) mg/l  Chlorides (099016) ( ) mg/l  Phenol (032730) ( ) mg/l  Total Chromium (001034) ( ) mg/l  Hex. Chromium (001032) ( ) mg/l  Zinc (001092) ( ) mg/l  Copper (001042) ( ) mg/l  Lead (017501) ( ) mg/l  Cyanide (000722) ( ) mg/l			•	()		olonies/	100 ml		*
Oil and Grease(1) (000550)       ()       mg/1         Oil and Grease(2) (000550)       ()       mg/1         Chlorides (099016)       ()       mg/1         Phenol (032730)       ()       mg/1         Total Chromium (001034)       ()       mg/1         Hex. Chromium (001032)       ()       mg/1         Zinc (001092)       ()       mg/1         Copper (001042)       ()       mg/1         Lead (017501)       ()       mg/1         Cyanide (000722)       ()       mg/1         ()       ()       ()         ()       ()       ()		CCG1		$\langle \cdot \rangle$		Olonies/			
Oil and Grease(2) (000550) ( )	T	otal Phosphorus		()					
Chlorides (099016) () mg/1 Phenol (032730) () mg/1 Total Chromium (001034) () mg/1 Hex. Chromium (001032) () mg/1 Zinc (001092) () mg/1 Copper (001042) () mg/1 Lead (017501) () mg/1 Cyanide (000722) () mg/1 () () () () () () () () () () () () () (	0:	il and Grease(1)	(000550)	( )	<del></del>				
Total Chromium (001034) () mg/1  Total Chromium (001032) () mg/1  Hex. Chromium (001092) () mg/1  Zinc (001092) () mg/1  Copper (001042) () mg/1  Lead (017501) () mg/1  Cyanide (000722) () mg/1  () () () () () () () () () () () () () (			(000550)	1 1					
Total Chromium (001034) () mg/1 Hex. Chromium (001032) () mg/1 Zinc (001092) () mg/1 Copper (001042) () mg/1 Lead (017501) () mg/1 Cyanide (000722) () mg/1  () () () () () () () () () () () () () (			•						
Hex. Chromium									
Zinc (001092) () mg/1 Copper (001042) () mg/1 Lead (017501) () mg/1 Cyanide (000722) () mg/1 ()									
Copper (001042) () mg/1 Lead (017501) () mg/1 Cyanide (000722) () mg/1 () () () () () () () () () () () () () (	H	ex. Chromium	•	1. 1					/2
Lead (017501) () mg/1 Cyanide (000722) () mg/1  () () () () () () () () () () () () () (	Z	inc		1 1					
Lead (017501) () mg/1 Cyanide (000722) () mg/1 () () () () () () () () () () () () () (	C	opper	•	1 1					·
() () () () () () () () () () () () () (			•	* :					
	C.	yanide	(000722)				mg/1		
	•	-		• •			-		
	_						<del></del>		-
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	K	emarks							

# BUREAU OF POLLUTION CO. . .OL SAMPLE REQUEST FORM

Lab Ber	ich ]	No.:	1802
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**Cost Code:** 

T.	GENERA	١T.	INFO	$\mathbf{R}\mathbf{N}$	fΑ	TION:
4.				141		

Facility Name: Maranatha Faith Center

County Code: Lowndes

NPDES Permit No.: Date Requested: 7-2-99

Discharge No:

Sample Point Identification: MFC-1

Requested By:

Flow:

Data To: K. Shelton

Type of Sample: Grab: (X)

Composite:

Time:

Other:

#### H. **SAMPLE IDENTIFICATION:**

Environment Condition: PC & Hot

Collected By: KP

Where Taken: Culvert at intersection of N 7th Ave. and N 26th Street

	Туре	Parameters	Preservative	Date	Time
1.	Sediment	Semi-VOA	Ice	7-1-99	0825
2.					
3.					
4.					
5.					
6.	9				

#### III. FIELD:

Analysis	Computer Req Code	Results	Analyst	Date
рН	000400			
D.O.	000300			
Temperature	000010			
ResidualChlorine	050060	5		
Flow	074060			

TRANSPORTATION OF SAMPLE: IV.

Bus:

**RO Vehicle:** 

Other:

LABORATORY: V.

Received by: David Singleton

Recorded by: T. Sawyer

Date: 7-2-99

Time: 1005

Date Sent to State Office: 8-17 99

R- 8-25-99

Remark:

#### TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOUNDS IN SOILS/SOLIDS

OPCL NO.:	2	MARKED: Maranatha Faith Center MFC-1						
ANALYSIS OF:	So:		DATE RECEIVED: 7-2-99					
COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	µg/Кg	COMPOUNDS	MQL	µg/Kg
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chloroethyl)ether	330	ND	2-Methylnaphthalene	330	ND	Pentachioropohenol	680	ND_
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	67 500
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	ND
1,4-Dichlarobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
Benzyl akohol	330	ND	2-Chloronaphthalene	330	ND	Fluorantherie	330	95,100
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	113,000
2-Mathylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloroisopropyl)ather	330	ND	Acenaphtylene	330	Trace	3,3'Dichlorobenzidine	660	ND
4-Methylphenol	330	ND	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	38,700
N-Nitroso-di-n-propylamine	330	ND	3-Nitroanifine	1600	ND	Chrysens	330	31,900
Hexachloroethane	330	ND	Acenaphthene	330	28,500	bis(2-Ethylhexyl)phthalete	330	ND
Nitrobenzene	330	ND	2.4-Dintrophenol	1600	ND	Di-n-octylphthalate	330	ND
Isophorone	330	ND	4-Nitrophenol	1800	ND	Benzo(b)fluoranthene	330	24,900
2-Nitrophenol	330	ND	Dibenzofuran	330	24,800	Benzo(k)fluoranthene	330	7560
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	15,300
Benzoic scid	1600	ND	Diethytphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	6760
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	Trace
2,4-Dichlorophenol	330	ND	Fluorene	330	49,000	Benzo(g,h,l)perylene	330	5120
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND	Carbazole		Trace
Naphthalene	330	Trace	4,6-Dinitro-2-methylphenol	1600	ND			
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND			
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND			

SURROGATES

RECOVERY (%) LIMITS

2-Fluorophenol	92	25-121
Phenol-d5	97	24-113
Nitrobenzene-d5	103	23-120
2-Fluorobiphenyl	111	30-115
2,4,6-Tribromophenol	76	19-122
p-Terphenyl-d14	87	18-137

Date Extracted: 7 / 12 / 1999

Date Injected: 7 / 26 / 1999

ND = None Detected

MQL = Minimum Quantifiable Level
Analyst.Jon Shell

Lower De	tection Level = MQL X 10 = 3300 µg/L
_	No peaks above 40% of internal standard.
_	Peaks above 40% of internal standard on EPA Appendx IX were identified.*
_	Peaks above 40% of internal standard not on EPA Appendix IX."
	Peaks above 40% of internal standard not on EPA Appendix IX were not identified.
_	Additional peaks were observed, but not examined.

#### COMMENTS:

# BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

Lab	Bench	No.	
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						CONTER	, ,
T	GENERAL INFORMATION	N: Facili	y Name	AZA JAT	NPDES Permit No		
	County Code Luna	105			NPDES Permit No	ested $\frac{7}{2}/99$	
	T- 17-				Date keque		
	Sample Point Ident	ification	MFC-1		Data To	SHELTO-	1-1-1-1-1
						()	
	Requested By Type of Sample: G	rab 🚫	Composite (	Flow )	(22		
TT	CAMBIE THENTIFICAT	113N:		(6)	Co110	ected By W. STONA	B. FERLUS
11.	Environment Condit	ion	4-		C0116	N 26 ST.	
	Where Taken Lucyt	RT 147	- 17: 10 30 CTY	<u>ريم را د</u>	Preservative	Date	Time
	Tune	rara	ame ters	11		7/1/99	0825
	1. Les Sepiene	t Semi	VUL		Ice		
	2.			M.		_	
	3.						
	4.						
	5.						
TTT.	FIELD:			_	D1+0	Analyst	Date
	Analysis		er Code	Request	Results	Maryot	
	pH		0400)	( ) =_			
	D.O.	•	0300)	() -			
	Temperature		0010)	( )			
	Residual Chlorine		0060)	() _			
	F1 ow		4060)	() -	( ) Oahon (	<del></del>	
TV.	TRANSPORTATION OF	SAMPLE: B	<b>、</b>	O Vehicle	() Other (		ime 1005
v.	LABORATORY: Recei	ved By	100		Date Sent to S		
٠.	Recorded By				Date Sent to S	tate office	Date
	neco1	Computer			n 1.	Analyst	Measured
	Analys <u>is</u>	Code	Request		Result	Allalyst	*
	BOD <sub>5</sub>	(000310)	( )		mg/1		
	COD <sup>5</sup>	(000340)	( )		$\frac{mg/1}{\sqrt{1}}$		<del></del>
	TOC	(000680)	( )		mg/1		
	Suspended Solids	(099000)	( )		mg/1		
	TKN	(000625)	( )	GF .	mg/1		
	Ammonia-N	(000610)	( )		mg/1		*
	Fecal Coliform(1)	(074055)	( )	C	olonies/100 ml		*
	Fecal Coliform(2)	(074055)	( )	c	olonies/100 ml		
	Total Phosphorus	(000665)	()		mg/1		
	Oil and Grease(1)	(000550)	()		mg/1		
	Oil and Grease(2)	(000550)	()		mg/1		
	Chlorides	(099016)	( )		ing/1		
	Phenol	(032730)	()		mg/1		
	Total Chromium	(001034)	()		mg/1		
	Hex. Chromium	(001032)	( )		mg/1		
	Zinc	(001092)	()		mg/1		-1
	Copper	(001042)	()		mg/1		
	Lead	(017501)	( )		mg/1		
	Cyanide	(000722)	()		mg/1		
	Janzao		()		20		
			()			(30)	
			()				
	*		()			<del></del>	
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	Remarks					8	
	VCINGTY2						

# BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

Lab	Bench	No.	
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7	GENERAL INFORMATIO		۸۸	_	41	E . 17	L (= 12+=	~
I.	GENERAL INFORMATIO	N: Facili	ty Name //\	GLOVE	MDDEC	Permit No.	M CCMIC	
	County Code Lou	undes			MPUES	Termit No.	ted 7/2/99	`
	Discharge No		14 5 6 5		•	Date Requee	<u> </u>	
	Sample Point Ident	ification	MICL		<u>-</u>	Data To /	Kirk Shelt	0 \
					(Time			
	Requested By	rab 🞾 🗀	Composite	(FIOW )	(IIIIC	,	`	
II.	SAMPLE IDENTIFICAT	TUN:				Collec	ted By <u>KP</u>	
	Environment Condit	ion ${}$	-, hot			332233		
	Where Taken				Prese	rvative	Date	Time
	Type	Par	ameters		ICE		7/1/99	08:25
	1. Waste	Semi	-VOA		<u> </u>			
	2.			_ <sub> s</sub>				
	3							
	4							
	5							
III.	FIELD:	0	Codo	Request	Resi	ults	Analyst	Date
	Analysis		er Code 0400)	<u>Reducse</u>	11.00	<del></del>		<u></u>
	рН	•	0300)	()			<b>*</b> 0	
	D.O.	•		() -				
	Temperature		0010) 0060)	·				
	Residual Chlorine	•	4060)	}; -				
	Flow			RO(Vehicle	()	Other ()		
IV.	TRANSPORTATION OF	SAMPLE:			` '	Date 7	2-99	Time 1005
V.	LABORATORY: Recei	raed BA	C		Date	Sent to Sta	te Office	
	Recorded By	<u> </u>			2233			Date
		Computer	Request		Resu1	t	Analyst	Measured
	<u>Analysis</u>	Code (000310)	Request					*
	BOD <sub>5</sub>	(000310)	()			mg/1		
		(000340)	()			mg/1		
	TOC	(000680)	()					
	Suspended Solids	(099000)	()			mg/1		
	TKN	(000625)	()					
	Ammonia-N	(000610)	()		olonies			*
	Fecal Coliform(1)	(074055)	()		olonies	/100 ml		*
	Fecal Coliform(2)	(0/4055)	()		010	mg/l		
	Total Phosphorus	(00065)	()			mg/l		
	Oil and Grease(1)		()			mg/l		
	Oil and Grease(2)	(000550)	()			ing/1		
	Chlorides	(099016)				mg/l		
	Phenol	(032730)	()			mg/1		
	Total Chromium	(001034) (001032)	( )			mg/1		
	Hex. Chromium	•	( )			mg/1		
	Zinc	(001092)				mg/1		
	Copper	(001042)				mg/1		
	Lead	(017501)	( )			mg/1		
	Cyanide	(000722)	( )			F		
			}					
			( )					
		<del></del>	( )					
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			()					
			()					
	8		•					
	Remarks							

# BUREAU OF POLLUTION CO. . . ROL SAMPLE REQUEST FORM

Composite:

Flow:

Lah	Bench	No.:	1801
LAU	DULL	110.	J. UU A.

**Cost Code:** 

I. GENER	AL	INFO	RM	AT	IO	N:
----------	----	------	----	----	----	----

Facility Name: Maranatha Faith Center

County Code: Lowndes

Discharge No:

Sample Point Identification: MFC-2

Requested By: R. Twitty

Type of Sample: Grab: (X)

NPDES Permit No.:

Date Requested: 7-2-99

Data To: K. Shelton

Time: Other:

## II. SAMPLE IDENTIFICATION:

Environment Condition: PC & Hot

Where Taken:

Collected By: W. Stover

B. Ferguson

	Туре	Parameters	Preservative	Date	Time
1.	Waste	Semi-Vol	Ice	7-1-99	0825
2.		V	*		
3.		1			
4.					
5.					
6.					

## III. FIELD:

Analysis	Computer Req Code	Results	Analyst	Date
рН	000400			
D.O.	000300			
Temperature	000010			
ResidualChlorine	050060			
Flow	074060			

	IV.	TRA	INSPORT.	ATION	OF SAMPLI	Ŀ
--	-----	-----	----------	-------	-----------	---

Bus:

**RO Vehicle:** 

Other:

#### V. LABORATORY:

Received by: David Singleton

Recorded by: T. Sawyer

Date: 7-2-99

Time: 1005

Date Sent to State Office: 8-17-99

£ 8.25.99

Remark:

#### TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOUNDS IN SOILS/SOLIDS

OPCL NO.:				ARKED:		matha Faith Center M	FC- 2	
ANALYSIS OF:	Waste		DJ	ATE RECEI	VED:	7-2-99		
COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	µg/Кg	COMPOUNDS	MQL	µg/K 9
Phenol	330	ND	4-Chloro-3-methyiphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chlcroethyl)ether	330	ND	2-Methylnaphthalene	330	ND	Pentachioropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentacione	330	ND	Phenanthrene	330	ND
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophanol	330	ND	Anthracene	330	ND
1,4-Dichlorobenzene	330	ND	2,4,5-Trichlorophenal	1600	ND	Di-n-butylphthalate	330	ND
Benzyl alcohol	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	ND
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	ND
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloralsopropyl)ether	330	ND	Acenaphtylene	330	ND	3,3'Dichlorobenzidine	660	ND
4-Methylphenol	330	ND	2,8-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	ND
N-Nitroso-di-n-propylamine	330	ND_	3-Nitroaniline	1600	ND	Chrysene	330	ND
Hexachloroethane	330	ND	Acenaphthene	330	ND	bis(2-Ethylhexyl)phthalate	330	ND
Nitrobenzene	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphtnalate	330	ND
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	ND
2-Nitrophenol	330	ND	Dibenzofuran	330	ND	Benzo(k)fluoranthene	330	NO
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	· ND	Benzo(a)pyrene	330	ND
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Inceno(1,2.3-cd)pyrene	330	ND
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	ND
2,4-Dichlorophenoi	330	ND	Fluorene	330	ND	Benzo(g,h,i)perylene	330	ND
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND		<u> </u>	J
Naphthalene	330	ND	4,6-Dinitro-2-methylphenol	1600	ND			
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND	6		
Hexachlorobutadiens	330	ND	4-Bromophenyi-phenylether	330	ND ·		<u> </u>	<u> </u>

SURROGATES

RECOVERY (%) LIMITS

2-Fluorophenol		25-121
Phenol-d5	•	24-113
Nitrobenzene-d5		23-120
2-Fluorobiphenyl		30-115
2,4,6-Tribromophenol		19-122
p-Terphenyl-d14	•	18-137

Date Extracted: 7 / 12 / 1999
Date Injected: 7 / 12 / 1999
ND = None Detected
MQL = Minimum Quantiflable Level
Analyst: Jon Shell

Lower De	tection Level = MQL X 850 = 280,500 µg/L
	No peaks above 40% of internal standard.
	Peaks above 40% of internal standard on EPA Appendx IX were identified.*
_	Peaks above 40% of Internal standard not on EPA Appendix IX.**
	Peaks above 40% of internal standard not on EPA Appendix IX were not identified.
_	Additional peaks were observed, but not examined.

COMMENTS: \* Analysis by waste dilution-no surrogates were added to the solution. Note: This sample contain straight chain, branched chain, and cyclic aliphatic hydrocarbons-no target compounds were identified.

# BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

Lab Bench No. \_

GENERAL INFORMATIO	indes		NPDES Pe	ermit No.	<b>-7576</b> 6	
Discharge No.			Da1	e Requested	7/2/41	
Sample Point Ident	ification	MFCZ				
Requested By			Da1	a To Kiv		<u> </u>
Requested By	rab 60 Co	mposite (Flow	(Time )	Other (	)	
					_	
Environment Condit	10m. PC	いっナ		Collected	By <u> </u>	
Environment Condit	1011	<u> </u>				
Where Taken	Paran	neters	Preserva	tive	Date	Ti
<u>Type</u>			ICE		7/1/99	0×:
	Semi -	<u>V C A</u>			<del></del>	_
2	Å.					
3						_
4						_
5		<del></del>				
FIELD:					Analyst	Dat
Analysis	Computer		uest Result	<u>.s</u>	Mialyst	Dat
pH	(0004		<b>?</b> ———			
D.O.	(0003		)			
Temperature	(0000	)10) (	)			
Residual Chlorine	(0500	)60) (	)			
Flow	(0740	)60) (	)			el
TRANSPORTATION OF	SAMPLE: But	-(-) RO(Ve		ther ( )		
LABORATORY: Recei	ved By	$\mathbf{X}$		ite <u>7-7-</u>		Time _/_
Recorded By			Date Ser	nt to State	Office	
Recorded by	Computer					Da
	Code	Request	<b>Result</b>	A	nalyst	Meas
Analysis	(000310)	()		mg/1		*
BOD <sub>5</sub>	(000340)			=-/1		
	(000540)	$\sim$		<del></del>		
TOC	•	$\ddot{}$			й	
Suspended Solids	(099000)		<u></u>	<del></del>		
TKN	(000625)	()		7.0		
Ammonia-N	(000610)	$\langle \cdot \rangle$ —	colonies/10			*
Fecal Coliform(1)	(074055)	(1)				*
Fecal Coliform(2)	(074055)	()	colonies/10			
Total Phosphorus	(000665)	· ()		mg/1	<del></del>	
Oil and Grease(1)	(000550)	()		mg/1		
Oil and Grease(2)	(000550)	()		mg/1		
Chlorides	(099016)	()		ing/1		
Phenol	(032730)	()		mg/1		
Total Chromium	(001034)	()		mg/1		
Hex. Chromium	(001032)			mg/l		. <u> </u>
Zinc	(001092)			mg/1		
	(001042)			mg/1		
Copper	(001042)	$\sim$		mg/1		
Lead	•	<b>&gt;</b>		mg/1		,
Cyanide	(000722)	· · · · · · · · · · · · · · · · · · ·		<u>8/-</u>		
		( ),				
		$\sim$				. —
		()				
		()				
93		()				
		()				
		()				90
1		( )				,
1		()	<del></del>		×	

# BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

Lab Bench No.

GENERAL INFORMATION	N: Facility N	ame MARA	NATHA FAIT	No CENTER	
County Code Low	- 20 <i>28</i>				
- A 1 NT.			—— Date Re	quested <u>7/2/99</u>	
Sample Point Ident	ification M	FC-3		VIRK SHELT	
Requested By $\frac{2.7}{2}$			Data To		<del>"</del>
Type of Sample: G	rab ( Comp	osite (Flow )	Time ) Ot	her ( )	
SAMPLE IDENTIFICAT					- le Em
Environment Condit	$\frac{100}{100}$ PC	16-	Co	llected By W. Srve	MY B. FERG
Environment Condit	1011	WATERWOR	us Rio		
Where Taken Colla	Paramet		Preservative	Date	Time
Type	San,- 1		Tes	7/1/99	090
1. Scomer					
2.					
3.					
4.					
5		<del></del>			
FIELD:		ode Reque	st Results	Analyst	Date
Analysis	Computer C		30 1.000		
pH	(000400		<del></del>		
D.O.	(000300				
Temperature	(000010				
Residual Chlorine	(050060				
Flow	(074060		cle ( ) Other	$\overline{\Box}$	
TRANSPORTATION OF	SAMPLE: Bus	~. ~ ( )	<b></b>	7.2-59	Time Joes
LABORATORY: Recei	ved By	<u> </u>		State Office	200
Recorded By			- Date Sent to	State office	Date
	Computer			A1	Measur
Analysis	Code Re	equest	Result	Analyst	*
BOD <sub>5</sub>	(000310)	()	mg/1		_
COD <sup>5</sup>	(000340)	()	mg/1		
TOC	(000680)	( )	mg/1		
Suspended Solids	(099000)	( )	mg/1		
TKN	(000625)	( )	mg/1		
Ammonia-N	(000610)	()	mg/1		
Fecal Coliform(1)		()	colonies/100 ml		_ <del>*</del>
Fecal Coliform(2)	(074055)	()	colonies/100 ml	<u> </u>	_
recal Collinia(2)	(000665)		ing/l		
Total Phosphorus Oil and Grease(1)	•	()	mg/l		
Oll and Grease(1)	(000550)		ang/1		
Oil and Grease(2)	(000330)		ing/1		
Chlorides	(032730)	$\langle \rangle =$	mg/1		
Phenol	•	()	mg/1		
Total Chromium	(001034)	()	mg/1		
Hex. Chromium	(001032)	()	mg/1		
Zinc	(001092)	· : :	mg/1		
Copper	(001042)	()	mg/1		
Lead	(017501)	\\	mg/1		
Cyanide	(000722)	·	uig/ -		
		()			
		()			
		()			
E TOTAL TOTAL		()			_
		()			_
		- · ·			
		()			

# BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

Lab Bench No.: 1803

**Cost Code:** 

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center

County Code: Lowndes

NPDES Permit No.: Date Requested: 7-2-99

Flow:

Discharge No: Sample Point Identification: MFC-3

Requested By: R. Twitty

Data To: K. Shelton

Type of Sample: Grab: (X)

Composite:

Time:

Other:

Collected By: W.Stover/B.Ferguson

II. SAMPLE IDENTIFICATION:

Environment Condition: PC & Hot

Where Taken: Culvert under Water works

	Туре	Parameters	Preservative	Date	Time
1.	Sediment	Semi-Vol	Ice	7-1-99	0905
2.					
3.					
4.					
5.					
6.					

#### III. FIELD:

Analysis	Computer Req Code	Results	Analyst	Date 
рН	000400			
D.O.	000300			
Temperature	000010			
ResidualChlorine	050060			11
Flow	074060	9		

IV. TRANSPORTATION OF SAMPLE:

Bus:

**RO Vehicle:** 

Other:

V. LABORATORY:

Received by: David Singleton

Recorded by: T. Sawyer

Date: 7-2-99

Time: 1005

Date Sent to State Office: 8-17-99

Remark:

# TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOURS IN SOILS/SOLIDS

OPCL NO.:	1803	MARKED: Maranatha		MFC-3
ANALYSIS OF:	Soil	DATE RECEIVED:	7-2-99	

COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	μg/Kg	COMPOUNDS	MQL	µg/Кg
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chloroethyl)ether	330	ND	2-Methylnaphthalene	330	ND	Pentachloropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	8380
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	Trace
1,4-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	10,000
Benzyl alcohol	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	7500
1,2-Dichlorobenzene	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
2-Methylphenol	330	ND	Acenaphtylene	330	Trace	3,3'Dichlorobenzidine	660	ND
bis(2-Chloroisopropyl)ether	330	ND	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	3480
4-Methylphenol		ND	3-Nitroaniline	1600	ND	Chrysene	330	3700
N-Nitroso-di-n-propylamine	330		Acenaphthene	330	Trace	bis(2-Ethythexyl)phthalate	330	ND
Hexachloroethane	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	ND
Nitrobenzene	330	ND		1600	ND	Benzo(b)fluoranthene	330	ND
Isophorone	330	ND	4-Nitrophenol	330	Trace	Benzo(k)fluoranthene	330	4140
2-Nitrophenol	330	ND_	Dibenzofuran	1	ND	Benzo(a)pyrene	330	Trace
2,4-Dimethylphenol	330	ND_	2,4-Dinitrotoluene	330		Indeno(1,2,3-cd)pyrene	330	Trace
Benzoic acid	1600	ND	Diethylphthalate	330	ND ND		330	ND
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	Trace
2,4-Dichlorophenol	330	ND	Fluorene	330	Trace	Benzo(g,h,i)perylene	330	Hace
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND_		+-	-
Naphthalene	330	Trace	4,6-Dinitro-2-methylphenol	1600	ND		+	<del>                                     </del>
4-Chloroaniline	330	ND_	N-nitrosodiphenylamine	330	ND		+-	<del> </del>
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND		Ш	<u> </u>

SURROGATES

RECOVERY (%) LIMITS

2-Fluorophenol	78	25-121
Phenol-d5	85	24-113
Nitrobenzene-d5	89	23-120
2-Fluorobiphenyl	93	30-115
2,4,6-Tribromophenol	92	19-122
p-Terphenyl-d14	82	18-137

Date Extracted: 7 / 12 / 1999

Date Injected: 7 / 26 / 1999

ND = None Detected

MQL = Minimum Quantifiable Level

Analyst: Jon Shell

Lower Detection Level = MQL X 10 = 3300	µg/L
No peaks above 40% of internal standard.  Peaks above 40% of internal standard on EPA	Appendx IX were identified.*
Deaks above 40% of internal standard not on E	PA Appendix IX.""
Peaks above 40% of internal standard not on E Additional peaks were observed, but not exam	ined.

#### COMMENTS:

# BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

Lab Bench No.

CENERAL INFORMATIO	N: Facility Nat		INDER Promis No.	<del></del>	
. GENERAL INFORMATIO	10e3	_	NPDES Permit No.	tèd 7/2/71	
			- Date Reques	rea - Train	
Sample Point Ident	ification MF	<u> </u>	Data To K	RK SHELTON	
Requested By $\frac{2}{2}$	T. H.		Time ) Other		=
Type of Sample: G	rab ( Compos	site (Flow )	(Time ) Other		
CANDIE TREMETETOAT	TON		C-11-0	and By W. STURK	16 Fergus
Environment Condit	ion PC //	ST	Collec	ted By W Sover	
Where Taken	בייאר אינויע איניע איניע <b>איניע</b>	WATER COURT	K3	Date	Time
Type	Paramete:	rs	Preservative	7/1/99	0905
1. Subiniers	Serni Va	<u></u>	Ter		
		1 9 0	3 20		
2.			·		
4.					
5.					
FIELD:			<b>-</b> •	Analyst	Date
Analysis	Computer Co	de <u>Request</u>	Results	Mialyst	<u> </u>
pH	(000400)	()	9		
р <del>п</del> D.O.	(000300)	( )			
	(000010)	()			
Temperature Residual Chlorine	(050060)	()			
	(074060)	()			
Flow TRANSPORTATION OF			le () Other ()		ime /၁၁১
LABORATORY: Rece	ived By	<u> </u>	Date 📆 🔠		Time 70.27
	1400 2)	<u> </u>	Date Sent to Sta	ate Office	Date
Recorded By	Computer				
		uest	Result	Analyst	Measure
<u>Analysis</u>	(000310)	)	mg/1		
BOD <sub>5</sub>		<u> </u>	mg/1		¥:
COD	(	<u> </u>	mg/1		
TOC	(099000)	; ;	mg/1		
Suspended Solids	(000625)	; ;	mg/1	<u> </u>	
TKN	(000610)	; ;	mg/1		
Ammonia-N		; ;	colonies/100 ml		*
Fecal Coliform(1)	(074055)	; ;	colonies/100 ml		*
Fecal Coliform(2)	(0/4033)	}	mg/1		
Total Phosphorus	(000603)	}	mg/1		
Oil and Grease(1)	(000550)	·	mg/1		
Oil and Grease(2)	(000550)	};   ——	mg/1		
Chlorides	(099016)	\\ <del></del>	mg/1		
Pheno1	(032730)	· ·	mg/1		
Total Chromium	(001034)	\\ - <del></del>	mg/1		
Hex. Chromium	(001032)	\\	mg/1		
Zinc	(001092)	::	$\frac{m_{\rm S}/2}{m_{\rm S}/1}$		
Copper	(001042)	)	$\frac{mg/1}{mg/1}$		
Lead	(017501)	()	mg/1		
Cyanide	(000722)	• •			
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# BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

Lab Bench No.
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GENERAL INFORMATIO	N: Facility Na	me /VIara	natha Fai		<u>61</u>
County Code Lo	wades	<u> </u>	. NLDE2 LELETT NO		
Discharge No.	37		_ Date Reque	sted //L/7	1
Sample Point Ident	ification M	FC4			
Requested By					<u> </u>
Type of Sample: G	rab 🔀 Compo	site (Flow )	(Time ) Other	: ( )	
SAMPLE IDENTIFICAT	CION:			1.	_
Environment Condit	ion PC.	hot	Colle	ected By BF/W	<u> </u>
Where Taken					
Type	Paramete	ers	Preservative	Date	Time
1. Sediment	Semi - Vol		ICE	7/1/99	09:5
2.	OCM LEGG				
3.					
4.					
5.		<del></del>			
FIELD:	Computer Co	de Request	Results	Analyst	Date
Analysis	(000400)				
pH	(000300)				
D.O.	(000300)				
Temperature	•				
Residual Chlorine	(050060)				
Flow	(074060)		e () Other ()	·	
TRANSPORTATION OF	SAMPLE: Bus	) RO Vehicl	Date 7		ime _/oc
LABORATORY: Recei	Lived By		Date Sent to St		
Recorded By			Date Sent to St	ate office	Date
	Computer		<b>-</b>	A 1	
Analysis		uest	Result	Analyst	Measu:
	(000310)		mg/1		
BOD <sub>5</sub>	(000340)	()	mg/1		
TOC	(000680)	( )	mg/1		
Suspended Solids	(099000)	( )	mg/1		
TKN	(000625)	( )	mg/1	<del></del>	
Ammonia-N	(000610)	( )	mg/1		<del></del>
Fecal Coliform(1)		( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	()	mg/1		
Oil and Grease(1)			mg/1		
	(000550)		mg/1		
Oil and Grease(2)	(099016)		ing/1		
Chlorides		( )	mg/1		
Phenol	(032730)	: : <del></del>	mg/1		
Total Chromium		$\Box$ ———	mg/1		
Hex. Chromium	(001032)	\\	mg/1		
Zinc	(001092)	$\bigcirc$ ———			
Copper	(001042)	::	mg/1		
Lead	(017501)	()	mg/1		
Cyanide	(000722)	()	mg/1		
		()			
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<del></del>		()	. <u>.                                   </u>		
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		( )			
		$\bigcirc$			
Remarks					

Lab	Ren	ch	No.	•	180	14
Lav	DCII	СШ	110	•	100	7

**Cost Code:** 

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center

County Code: Lowndes

NPDES Permit No.: Date Requested: 7-2-99

Discharge No:

Sample Point Identification: MFC-4

Requested By:

Type of Sample: Grab: (X)

Data To: K. Shelton

Composite: Flow:

Time: Other:

II. SAMPLE IDENTIFICATION:

**Environment Condition: PC & Hot** 

Collected By: BF/WS

Where Taken:

	Туре	Parameters	Preservative	Date	Time
1.	Sediment	Semi-VOA	Ice	7-1-99	0950
2.		-			
3.			=		
4.					
5.					
6.				*1	

### III. FIELD:

Analysis	Computer Code	Req	Results	Analyst	Date
pН	000400				
D.O.	000300				
Temperature	000010				
ResidualChlorine	050060				
Flow	074060				

IV. TRANSPORTATION OF SAMPLE:

Bus:

**RO Vehicle:** 

Other:

V. LABORATORY:

Received by: David Singleton

Recorded by: T. Sawyer

Date: 7-2-99

Time: 1005

Date Sent to State Office: 8-17-99

# TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOL 3 IN SOILS/SOLIDS

OPCL NO.: 1804			MARKED: Maranatha Faith Center MFC-4					
ANALYSIS OF: Soil			DATE RECEIVED: 9-2-99					
COMPOUNDS	MQL	μg/kg	COMPOUNDS	MQL	μg/Kg	COMPOUNDS	MQL	µg/Кg
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chloroethyl)ether	330	ND	2-Methylnaphthalene	330	ND	Pentachioropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	Trace
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	Trace
1,4-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
Benzyl alcohol	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	7200
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	6770
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloroisopropyl)ether	330	ND	Acenaphtylene	330	Trace	3,3'Dichlorobenzidine	660	ND
4-Methylphenol	330	ND	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	3680
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	5550
Hexachloroethane	330	ND	Acenaphthene	330	ND	bis(2-Ethylhexyl)phthalate	330	Trace
Nitrobenzene	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	ND
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	5930
2-Nitrophenol	330	ND	Dibenzofuran	330	ND	Benzo(k)fluoranthene	330	Trace
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	Trace
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	Trace
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	ND
2,4-Dichlorophenol	330	ND	Fluorene	330	ND	Benzo(g,h,i)perylene	330	Trace
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND			
Naphthalene	330	ND	4,6-Dinitro-2-methylphenol	1600	ND		<u> </u>	
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND			
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND			

SURROGATES

RECOVERY (%)

LIMITS

2-Fluorophenol	88	25-121
Phenol-d5	98	24-113
Nitrobenzene-d5	102	23-120
2-Fluorobiphenyl	108	30-115
2,4,6-Tribromophenol	108	19-122
p-Terphenyl-d14	94	18-137

Date Extracted: 7 / 12 / 1999

Date Injected: 7 / 23 / 1999

ND = None Detected

MQL = Minimum Quantifiable Level

Analyst: Jon Shell

Lower D	etection Level = MQL X 10 = 3300 µg/L
	No peaks above 40% of internal standard.
_	Peaks above 40% of internal standard on EPA Appendx IX were identified.*
	Peaks above 40% of internal standard not on EPA Appendix IX.**
_	Peaks above 40% of internal standard not on EPA Appendix IX were not identified
_	Additional peaks were observed, but not examined.

### COMMENTS:

Lab Bench No.

1804

GENERAL INFORMATIO		1 24	NPDES Permit No.		
County Code	Wrd F.		Date Reques	sted $\frac{7/2/9}{}$	]
Discharge No.	ification MF	<u> </u>			
Desmosted By				Kirk Shelto	٧
Type of Sample: G	rab (> Composit	e (Flow )	(Time ) Other	( )	
CAMPIE IDENTIFICAT	TON.		E #9	0 - 1.	
Fauironment Condit	ion PC, he	· +	Collec	cted By BF/W	<u> </u>
Where Taken					
Type	Parameters	to	Preservative	Date	Time
1 5015 +	Semi - Vals		ICE	77179	09:5
2.		a #	3/30		
3.					
4.					
5.					
FIELD:				A 1 A	Dete
Analysis	Computer Code	Request	Results	<u>Analyst</u>	Date
pH	(000400)	( ) _			
D.O.	(000300)	()_			
Temperature	(000010)	()_	·	**	
Residual Chlorine	(050060)	( ) _			
Flow	(074060)	( ) _			
TRANSPORTATION OF	SAMPLE: Bus ()	RO-Vehicle	() Other ()		
LABORATORY: Recei	ved By ).	<u> </u>	Date		me
Recorded By			Date Sent to Sta	ate Uffice	Date
<u></u>	Computer		_		
Analys <u>is</u>	Code Reques	<u>t</u>	Result	Analyst	Measur
	(000310)		mg/1	······································	
BOD <sub>5</sub>	(000340)		mg/1		
TOC	(000680) ()		mg/1		
Suspended Solids	(099000) ()				
TKN	(000625)				
Ammonia-N	(000610)				<del></del>
Fecal Coliform(1)	(074055)		olonies/100 ml		*
Fecal Coliform(2)	(074055)	cc	olonies/100 ml		×
Total Phosphorus	(000665)		mg/1		
Oil and Grease(1)			mg/1		
Oil and Grease(2)	(000550)		mg/l		
Chlorides	(099016) ()		ing/1		
Phenol	(032730) ()		mg/l		
Total Chromium	(001034)		mg/1		
Hex. Chromium	(001032)		mg/1		
Zinc	(001092)		mg/1		92
Copper	(001042)		mg/1		
Lead	(017501)		mg/1		
Cyanide	(000722)		mg/1		
Cyanitae	( )				
		(%			
	;;				
	<del></del> ;;				
	<del></del> (;	-			
	()	-			
		<del></del>			22
				8	
Remarks	3			۵.	

Lab	Bench	No.	
טטע	~ • • • • • • • • • • • • • • • • • • •		

				M.		Cowin	
. (	GENERAL INFORMATION	N: Facility	y Name 🔟	MARANA	NPDES Permit No		
· -	County Code Low	1055			NPDES Permit No	stad 7/2/65	
_					Date Reque	sted 7/2/99	
-	Discharge No Sample Point Ident	ification	MFC-	<u> </u>	Doto To 1	IRK SHELTON	
1	Requested By $R.7$	To the			Data To k		ISI
,	Type of Sample: G	rab (X C	omposite	(Flow )	(Time ) Other		Zgus and
	SAMPLE IDENTIFICAT	TON:					//
• •	Environment Condit	$\frac{1000}{100}$ PC;	HOT_			cted By	Deve P
1	Where Taken Cocoe	TAT UND	er N	7 Avc. B		St. & WATER	Time
•	Type	Para	meters		Preservative	7/199	1020
	1. Sopiment	Semi -	Voc		Iso	////3_/	700
	2						
	3.						
	4						
	5.						
	FIELD:				<b>- 1</b> .	Analyst	Date
	Analysis	Compute	r Code	Request	Results	Allaryst	Date
	pH	(000)		()			
	D.O.		300)	( )			
	Temperature		010)	()			
	Residual Chlorine		060)	( )			
	Flow	(074	060)	()	( ) ( )	<del></del>	
. 6	TRANSPORTATION OF	SAMPLE: BU	<del>s (</del> ) (	RQ-Vehicle	() Other ()	, <u> </u>	ime _/oc.
•	LABORATORY: Recei	ved By				7 - 6 - 77	
	Recorded By				Date Sent to S	tate office	Date
	,	Computer			<b>a.</b> 1.	Analyst	Measur
	Analysis	Code	Request		Result	Allaryst	*
	BOD <sub>5</sub>	(000310)	_ ( )		mg/1		
	COD	(000340)	( )		mg/1		
	TOC	(000680)	( )		mg/1		
	Suspended Solids	(099000)	( )		mg/1		
	TKN	(000625)	( )		mg/1		
	Ammonia-N	(000610)	()		$\frac{mg/1}{1200-1}$		*
	Fecal Coliform(1)	(074055)	()		colonies/100 ml		*
	Fecal Coliform(2)	(074055)	()		colonies/100 ml		
	Total Phosphorus	(000665)	( )		ing/l		
	Oil and Grease(1)	(000550)	( )		mg/1		
	Oil and Grease(2)	(000550)			mg/1		
	Chlorides	(099016)	()		ing/1		
	Phenol	(032730)	()		mg/1		
	Total Chromium	(001034)	( )		$\frac{\text{mg}/1}{\text{mg}/1}$		
	Hex. Chromium	(001032)	( )		mg/1		
	Zinc	(001092)	( )		mg/1		
	Copper	(001042)	( )		mg/1		
	Lead	(017501)	( )		mg/1		
	Cyanide	(000722)	( )		mg/1		
			( )				
			( )				<del></del>
			( )				
			( )				<del></del>
			()				<del></del>
			( )			<del></del>	
			()				
			/ \				
			( )				
			()				

Lab Bench No.: 1805

**Cost Code:** 

**GENERAL INFORMATION:** I.

Facility Name: Maranatha Faith Center

County Code: Lowndes **NPDES Permit No.:** Date Requested: 7-2-99

Discharge No:

Sample Point Identification: MFC-5

Requested By: R. Twitty

Data To: K. Shelton

Type of Sample: Grab: (X)

Composite: Flow: Time:

Other:

SAMPLE IDENTIFICATION: II.

Environment Condition: PC & Hot

Collected By: B. Ferguson

Where Taken: Culvert under N 7 Ave. Between N Moss St. & Waterwork Rd.

	Туре	Parameters	Preservative	Date	<u>Time</u>
1.	Sediment	Semi-VOA	Ice	7-1-99	1020
2.					
3.					
4.					
5.					
6.					

#### III. FIELD:

Analysis	Computer Req Res	sults Analyst Date
рН	000400	
D.O.	000300	
Temperature	000010	
ResidualChlorine	050060	
Flow	074060	

TRANSPORTATION OF SAMPLE: IV.

Bus:

**RO Vehicle:** 

Other:

V. LABORATORY:

Received by: David Singleton

Recorded by: T. Sawyer

Date: 7-2-99

Time: 1005

Date Sent to State Office: 8-17-99

# TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOL 3 IN SOILS/SOLIDS

OPCL NO.:1805				Maranatha Faith Center MFC-5				
ANALYSIS OF: Soil		DATE RE	CEIVED:		7-2-99			
COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	µg/Кg	COMPOUNDS	MQL	μg/Kg
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chloroethyl)ether	330	ND	2-Methylnaphthalene	330	ND .	Pentachloropohenol	660	ND
2-Chlorophenol	330	ND _	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	ND
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	ND
1,4-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
Benzyl alcohol	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	ND
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	ND
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloroisopropyl)ether	330	ND	Acenaphtylene	330	ND	3,3'Dichlorobenzidine	660	ND
4-Methylphenol	330	Trace	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	ND
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	ND
Hexachloroethane	330	ND	Acenaphthene	330	ND	bis(2-Ethylhexyl)phthalate	330	ND
Nitrobenzene	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	8110
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	ND
2-Nitrophenol	330	ND	Dibenzofuran	330	ND	Benzo(k)fluoranthene	330	ND
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	ND
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	ND
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	ND
2,4-Dichlorophenol	330	ND	Fluorene	330	ND	Benzo(g,h,i)perylene	330	ND
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND		<b>_</b>	<u> </u>
Naphthalene	330	ND	4,6-Dinitro-2-methylphenol	1600	ND_			
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND			
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND		<u> </u>	

SURROGATES

RECOVERY (%) LIMITS

2-Fluorophenol	82	25-121
Phenol-d5	96	24-113
Nitrobenzene-d5	107	23-120
2-Fluorobiphenyl	107	30-115
2,4,6-Tribromophenol	112	19-122
p-Terphenyl-d14	100	18-137

Date Extracted: 7 / 12 / 1999

Date Injected: 7 / 26 / 1999

ND = None Detected

MQL = Minimum Quantifiable Level

Analyst: Jon Shell

Lower De	tection Level = MQL X 10 = 3300 μg/L
	No peaks above 40% of internal standard.
_	Peaks above 40% of internal standard on EPA Appendx IX were identified.*
_	Peaks above 40% of internal standard not on EPA Appendix IX.**
	Peaks above 40% of internal standard not on EPA Appendix IX were not identified
<del></del>	Additional peaks were observed, but not examined.
	Additional position transfer and a second an

**COMMENTS:** This sample is contaminated with many phthalate esters.

.ab	Bench	No.	280
<i>,</i>	~~		

GENERAL INFORMATION	a: racillt	y Maine 7	9.	NPDES Permit N	o	
County Code	100			Date Requ	ested 7/2/99	
Discharge No.  Sample Point Identi		41 EC -	5			
Sample Point Identi	Lication -	7017		Data To	KIRK SHOTON	<u>'                                     </u>
Requested by / /	, , , , , , , , , , , , , , , , , , , ,	emosite	(Flow )	(Time ) Other	r ( )	
Type of Sample: Gr		Omposice	(110)		B.F.	czquson
SAMPLE IDENTIFICAT	ION:	Hot		Col1	ected By	
Environment Condit:	ion		Are. B	editore NMcs	s St. & Wanz	what K's Ki
Where Taken (Jeve	17 0,00	in N	ALC: U	Preservative	Date	111116
Termo	Para	meters		I. c or	77779	1026
1. SEDIMENT	Sem1.	Vue				
2.						
3.						
4.	01					
5.	N .					
FIELD:	8 0				Analyst	Date
Analysis	Compute	r Code	Request	Results	Mialyst	2000
	(000	(400)	()	1		
pH		300)	()			
D.O.	•	0010)	()			
Temperature		0060)	()			
Residual Chlorine		4060)	$\dot{}$	K = 1		
Flow			RO_Vehicle	( ) Other (		
TRANSPORTATION OF	SAMPLE: -BI	79 ( Ś		Date	7-2-95	Time
LABORATORY: Recei	ved by	<del></del>		Date Sent to	State Office	
Recorded By					<u></u>	Date
5	Computer			Result	Analyst	Measu
Analysis	Code	Request		mg/1	<del></del>	*
BOD <sub>5</sub>	(000310)	()				
COD	(000340)	( )		mg/1		
TOC	(000680)	()		mg/1		_
Suspended Solids	(099000)	()		mg/1		
TKN	(000625)	()		mg/1		
	(000610)	()		mg/1		
Ammonia-N Fecal Coliform(1)		( )		colonies/100 ml		- <del>-</del>
Fecal Colliform(1)	(074055)	$\dot{}$		colonies/100 ml		
Fecal Coliform(2)	(000665)	$\sim$		mg/1		_
Total Phosphorus		<b>&gt;</b>		mg/1		_
Oil and Grease(1)	(000550)			mg/1		
Oil and Grease(2)	(000550)			ing/1		
Chlorides	(099016)	$\mathcal{C}$		mg/1		_
Phenol	(032730)			mg/1		
Total Chromium	(001034)	( )		mg/1		
Hex. Chromium	(001032)	()				_
Zinc	(001092)	()		mg/1		
Copper	(001042)	()		mg/1		
Lead	(017501)	()		mg/1		
Cyanide	(000722)	()		mg/1		
Cyanitae	(8)	( )				
		Ċ				
		λí				
		<b>\(\)</b>				
		()				
		()				
		()				

Lab	Bench	No.	

		v. P 414:	en Namo	Maca	natha to	aith Cent	G A.
I.	GENERAL INFORMATIO	N: Facili	ty Name	risera		· ·	
	County Code Los	<u>nnacs</u>			Date Reque	ested $\frac{7}{2}/9$	٩
	Discharge No.		14 E.C	7		<u> </u>	
	Sample Point Ident	ification .	MILL	<u> </u>	Data To	Kirk Shelt	on
	Peguested KV		Composite			( )	
	Type of Sample: G	, ,	Composite	(110# )	_		
II.	CAMPIE TRENTIFICAT	ION:	٠ ١	_	Colle	ected By BF	
	Environment Condit	ion	-/ 201				411
	Where Taken		ameters		Preservative	Date	Time
	Type	Par	ameters		ICE	777799	10:50
	1. Sediment	_Sem	- VOA	_	<u> </u>		
	2.						
	3						
	4.						
	5						
III.	FIELD:		Codo	Request	Results	Analyst	Date
	<u>Analysis</u>	Comput	<u>er Code</u> 0400)	Reducse			8
	pН		0300)	$\sim$			
	D.O.	•	•				
	Temperature	•	0010)				
	Residual Chlorine		0060)				
	Flow		4060)	RO Vehicle	() Other ()	7	
IV.	TRANSPORTATION OF	SAMPLE: B	ne in O	KO VEHICLE	Date		ime
V.	LABORATORY: Recei	ved By 🔼	<u></u>	5	Date Sent to Si		
	Recorded By				Date Sent to b		Date
		Computer			Result	Analyst	Measured
	Analysis	Code	Request		mg/1	<u>imaryot</u>	*
	BOD	(000310)	( )		mg/1		
	BOD 5	(000340)	( )		mg/1		
	TOC	(000680)	( )				
	Suspended Solids	(099000)	( )		mg/1		
	TKN	(000625)	( )		mg/1		
	Ammonia-N	(000610)	()		$\frac{\text{mg/1}}{1 - i - i}$		*
	Fecal Coliform(1)	(074055)	( )		colonies/100 ml		*
	Fecal Coliform(2)	(074055)	( )	- <u>-                                  </u>	colonies/100 ml		
	Total Phosphorus	(000665)	( )		ng/1		
	Oil and Grease(1)	(000550)	()		mg/1		<del></del>
	Oil and Grease(2)	(000550)	()		mg/1	<u> </u>	
	Chlorides	(099016)	( )		ing/1		<del></del>
	Phenol	(032730)			mg/1		
	Total Chromium	(001034)	· ()		mg/1		
	Hex. Chromium	(001032)	( )		mg/1		
	Zinc	(001092)	( )		mg/1		
	Copper	(001042)	( )		mg/1		
	Lead	(017501)	( )		mg/1		
	Cyanide	(000722)	()		mg/1		
	0,4240	•	()				
			()				
			( )				
			()				
			( )				
			( )				<del></del>
			( )				
			Ì				
			Ò				
			25				
	Remarks		( )				

Lab Bench No.: 1806

**Cost Code:** 

**GENERAL INFORMATION:** I.

Facility Name: Maranatha Faith Center

**County Code:** Lowndes NPDES Permit No.: Date Requested: 7-2-99

Discharge No:

Sample Point Identification: MFC-6

Requested By:

Data To: K. Shelton

Type of Sample: Grab: (X)

Composite: Flow: Time:

Other:

**SAMPLE IDENTIFICATION:** II.

Environment Condition: PC & Hot

Where Taken:

Collected By: B. Ferguson

	Туре	Parameters	Preservative	Date	Time
1.	Sediment	Semi-VOA	Ice	7-1-99	1050
2.					
3.					
4.					
5.					
6.					

#### III. FIELD:

Analysis	Computer Req R Code	esults	Analyst	Date
pН	000400			
D.O.	000300			
Temperature	000010			
ResidualChlorine	050060			
Flow	074060			

TRANSPORTATION OF SAMPLE: IV.

**Bus:** 

**RO Vehicle:** 

Other:

V. LABORATORY:

Received by: David Singleton

Recorded by: T. Sawyer

Date: 7-2-99

Time: 1005

Date Sent to State Office: 8-17-99

### TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOU IN SOILS/SOLIDS

OPCL NO.:	1806	MARKED: MATANATHA FAITH CENTER MFC-5  DATE RECEIVED: 7-2-99						
ANALYSIS OF:				MQL		COMPOUNDS	MQL	μg/Kg
COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	µg/Kg	COMPOUNDS	mar.	pg///g
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chloroethyl)ether	330	ND	2-Methylnaphthalene	330	ND_	Pentachioropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	46,500
1,3-Dichlorobenzene	330	ND	2.4,6-Trichlorophenol	330	ND	Anthracene	330	Trace
1,4-Dichlorobenzene	330	ND	2.4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
Benzyl alcohol	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	56,900
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Ругепе	330	48,900
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloroisopropyl)ether	330	ND	Acenaphtylene	330	Trace	3,3'Dichlorobenzidine	660	ND
4-Methylphenol	330	ND	2,6-Dinitrotoluene	330	ND_	Benzo(a)anthracene	330	22,400
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	19,400
Hexachloroethane	330	ND	Acenaphthene	330	Trace	bis(2-Ethylhexyl)phthalate	330	ND
Nitrobenzene	330	ND	2.4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	ND
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	33,500
2-Nitrophenol	330	ND	Dibenzofuran	330	Trace	Benzo(k)fluoranthene	330	Trace
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	19,000
Benzoic acid	1600	ND	Diethylphthalate	330	ND	indeno(1,2,3-cd)pyrene	330	Trace
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	ND
2,4-Dichlorophenol	330	ND	Fluorene	330	Trace	Benzo(g,h,i)perylene	330	Trace
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND	Carvozole	<del> </del>	Trace
Naphthalene	330	ND	4,6-Dinitro-2-methylphenol	1600	ND		<del>                                     </del>	
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND		<del> </del>	<b> </b>
Hexachlorobutadiene	330	ND_	4-Bromophenyl-phenylether	330	ND		<u> </u>	

SURROGATES

RECOVERY (%) LIMITS

2-Fluorophenol	81	25-121
Phenol-d5	94	24-113
Nitrobenzene-d5	108	23-120
2-Fluorobiphenyl	108	30-115
2,4,6-Tribromophenol	116	19-122
p-Terphenyl-d14	94	18-137

Date Extracted: 7 / 12 / 1999
Date Injected: 7 / 26 / 1999
ND = None Detected
MQL = Minimum Quantifiable Level
Analyst: Jon Shell

Lower D	etection Level = MQL X 40 = 13,200 µg/L
	No peaks above 40% of internal standard.
_	Peaks above 40% of internal standard on EPA Appendx IX were identified.*
	Peaks above 40% of internal standard not on EPA Appendix IX.**
_	Peaks above 40% of internal standard not on EPA Appendix IX were not identified.
_	Additional peaks were observed, but not examined.
_	Additional peaks were observed, but not examined

### COMMENTS:

Lab Bench No.	
---------------	--

		0.00	Λ:	Na c	-4/2 E	ith Cent	ter
I.	GENERAL INFORMATIO	<u>N</u> : Facilit	y Name	10101	NPDES Permit No		<del></del>
- 3	County Code Lc	س بر دا حج				sted 7/2/9	Ci
	<b></b>				Date Reque	Sted	<del></del>
	Sample Point Ident	ification	MFCG	Š		/ L. ClL	
	Requested By					Kick Shelt	<u>C17</u>
	Type of Sample: G	rah MO (	omposite (F	low ) (	Time ) Other	. ( )	
	Type of Sample: O	> <					
II.	SAMPLE IDENTIFICAT	10N:	10 at		Colle	ected By <u>BF</u>	
	Environment Condit	10n	<del>- / 131:</del>				
	Where Taken		meters		Preservative	Date	<u>Time</u>
	<u>Type</u>	Para	ine ters		ICE	7/1/99	10:50
	1. Sediment	- Sermi	- VCA		1 1	<del>- 7 - 7 - 1</del> - 1	
	2.						
	3.						
	4.						
	5.						
TTT.	FIELD:			<u> </u>	n144	Analyst	Date
111.	Analysis	Compute		Request	Results	Mialyst	Date
	pH	(000	(400)	() <u> </u>			
	D.O.	(000	300)	()			
		•	0010)	( ) <u> </u>			
	Temperature	•	0060)	( )			
	Residual Chlorine	inz	4060)	() -			
	Flow TRANSPORTATION OF	CAMBIE D	4000) 40 ( ) - RO	Vehicle (	) Other (	)	
IV.	TRANSPORTATION OF	SAMPLE: B			Date	7. 2. 99	Time
v.	LABORATORY: Recei	lved By	<u> </u>		Date Sent to Si		
	Recorded By				Date bene to s		Date
		Computer			n1+	Analyst	Measured
	Analysis	Code	Request		Result	maryot	*
	BOD	(000310)	()_		mg/1		
	COD <sup>5</sup>	(000340)	()_		mg/1		
	TOC	(000680)	()		mg/1		
	Suspended Solids	(099000)	()		mg/1		
		(000625)	() -		mg/1		
	TKN	(000610)			mg/1		
	Ammonia-N Fecal Coliform(1)		`	co1	onies/100 ml		*
	Fecal Colliorm(1)	(074055)	·	co1	onies/100 ml		*
	Fecal Coliform(2)	(0/4033)	<b>)</b> ( -		mg/l		
	Total Phosphorus	(000665)	) (		mg/1		
	Oil and Grease(1)	(000550)	() -		mg/1		<u></u>
	Oil and Grease(2)	(000550)	().		mg/1		
	Chlorides	(099016)	()		mg/1		
	Phenol	(032730)	().		<u> </u>		
	Total Chromium	(001034)	()		mg/1		
	Hex. Chromium	(001032)	()		mg/1		
	Zinc	(001092)	()		mg/1		. <del></del>
		(001042)	()		mg/1		
	Copper	(017501)	<i>(</i> )		mg/1		
	Lead	(000722)	· .		mg/1		
	Cyanide	(000/22)	·				
			}				
			( )				**
			()				<u> </u>
		= 2X	( )				
	<del></del>		( )	•			
			( )				
			Ö				
			ii			326	1 2
1			• /				
	Remarks						

_ab	Bench	No.	

				Unas.	-us	FAITH	Conten	
. 0	SENERAL INFORMATION	N: Facilit	y Name	HRADA	NDDES 1	Permit No.		
7	County Code	2063	<del></del>		MI DEG	te Reques	ted <u>7/2/99</u>	
_	N 1 NT-				D.	acc noques		
5	Sample Point Ident:	ification _	MFC-1	<u></u>	D:	ata To V.	RK SHOTT	ยู่
F	Requested By $K$ .	1 W, Ph			(Time		( )	
7	Type of Sample: G	rab 💢 C	omposite	(Flow )	(IIIIe			
	SAMPLE IDENTIFICAT	ION:	_	Pc.	65	Collec	ted By W. Stol	on 1B. Fores.
· -	Environment Condit	ion Lece	Ber			COLLEC	ced by <u>5 757-5</u>	/
τ.	Where Taken <i>Exer</i>	K Bern-	10 GRA	to Kor	FING		Date	Time
•	Type	. Para	meters		Preser		7/1/99	1/30
	1. Ideas Scome	et some	-Voc		Ice		7/1/1	
	2.							
	3							
-								
	4.							
	5.							<b>.</b> .
	FIELD:	Compute	r Code	Request	Resu	<u>lts</u>	Analyst	<u>Date</u>
	<u>Analysis</u>	COMPACE	(400)	()				
	pН		300)	; ; ·				
	D.O.	•	0010)				1	
	Temperature		0060)	·				
	Residual Chlorine	•	•	}				
	Flow		(060)	RQ Vehicle	()	Other ()		
7.	TRANSPORTATION OF	SAMPLE:	<del>12 (</del> )	W Vellicie	` '	Date 7-	2.55	Time 1005
'. '	LABORATORY: Recei	ved By L	k.	X-5	Data	ent to Sta		<del></del>
•	Recorded By				Date	ent to bta		Date
		Computer			Dogu1+		Analyst	Measure
	Analysis	Code	Request		Result		imar, oc	*
		(000310)	( )			$\frac{\text{mg/1}}{-1}$	<u> </u>	<del> </del>
	BOD <sub>5</sub>	(000340)	( )			$\frac{mg/1}{\sqrt{1}}$		
	TOC	(000680)	( )			mg/1 _		
	Suspended Solids	(099000)	( )			mg/1 _		
	TKN	(000625)	( )			$\frac{\text{mg/l}}{\sqrt{\pi}}$		_
	Ammonia-N	(000610)	()			mg/1		*
	Fecal Coliform(1)		()		olonies/			
	Fecal Coliform(2)	(074055)	$\dot{}$	С	olonies/	100 ml		
	recal Collidim(2)	(000665)	Ò			ing/l		_
	Total Phosphorus		$\dot{}$			mg/l		
	Oil and Grease(1)	(000550)	()			ag/l		
	Oil and Grease(2)	(000330)	()			ing/1		
	Chlorides		()			mg/l		
	Pheno1	(032730)				mg/1		
	Total Chromium	(001034)	()			mg/1		
	Hex. Chromium	(001032)	( )			$\frac{mg/2}{mg/1}$		
	Zinc	(001092)	( )			mg/1		
	Copper	(001042)	( )			$\frac{mg/1}{mg/1}$		
	Lead	(017501)	( )			$\frac{\text{mg/1}}{\text{mg/1}}$		
	Cyanide	(000722)						_
	<del>-</del>		()					
			( )			<del></del> -		
			( )					
			( )					
			( )					
	<del></del>		()					
			()					
			()					
			()					
		<del></del>	()					
			( )					

Lab Bench No.: 1807

**Cost Code:** 

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center

County Code: Lowndes

NPDES Permit No.: Date Requested: 7-2-99

Discharge No:

Sample Point Identification: MFC-7

Data To: K. Shelton

Requested By: R. Twitty

Type of Sample: Grab: (X)

Composite: Flow:

Time:

Other:

Collected By: B. Ferguson, WS

II. SAMPLE IDENTIFICATION:

Environment Condition: PC & Hot

Where Taken: Creek behind Graham Roofing

	Туре	Parameters	Preservative	Date	Time
1.	Sediment	Semi-Vol	Ice	7-1-99	1130
2.					
3.					-
4.					
5.					
6.					

### III. FIELD:

Analysis	Computer Code	Req	Results	Analyst	Date 
рН	000400				
D.O.	000300				
Temperature	000010				
ResidualChlorine	050060		SI .		
Flow	074060				

IV. TRANSPORTATION OF SAMPLE:

Bus:

**RO Vehicle:** 

Other:

V. LABORATORY:

Received by: David Singleton

Recorded by: T. Sawyer

Date: 7-2-99

Time: 1005

Date Sent to State Office: 8-17-99

# TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPO\ S IN SOILS/SOLIDS

OPCL NO.:	18	07	·	MARKED:	<u>Mar</u>	anatha Faith Center	MFC-7	
ANALYSIS OF:		1		DATE RECE	IVED:_	7-2-99		
COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	µg/Kg	COMPOUNDS	MQL	µg/Кg
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chloroethyl)ether	330	ND	2-Methylnaphthalene	330	ND	Pentachloropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	e 330	ND	Phenanthrene	330	Trace
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	Trace
1,4-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
Benzyl alcohol	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	4120
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	4680
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloroisopropyl)ether	330	ND	Acenaphtylene	330	Trace	3,3'Dichlorobenzidine	660	ND
4-Methylphenol	330	ND	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	4160
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	5460
Hexachloroethane	330	ND	Acenaphthene	330	ND	bis(2-Ethylhexyl)phthalate	330	ND
Nitrobenzene	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	ND
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	13,900
2-Nitrophenol	330	ND	Dibenzofuran	330	ND	Benzo(k)fluoranthene	330	4090
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	7930
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	3800
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylethe	er 330	ND	Dibenz(a,h)anthracene	330	ND
2,4-Dichlorophenol	330	ND	Fluorene	330	ND	Benzo(g,h,i)perylene	330	3900
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND			
Naphthalene	330	Trace	4,6-Dinitro-2-methylphenol	1600	ND			<u> </u>
Napritrialerie		11.000	1,0 0	-				1

SURROGATES

4-Chloroaniline

Hexachlorobutadiene

RECOVERY (%) LIMITS

N-nitrosodiphenylamine

4-Bromophenyl-phenylether

2-Fluorophenol	74	25-121
Phenol-d5	92	24-113
Nitrobenzene-d5	114	23-120
2-Fluorobiphenyl	113	30-115
2,4,6-Tribromophenol	105	19-122
p-Terphenyl-d14	85	18-137

ND

ND

330

330

Date Extracted: 7 / 12 / 1999
Date Injected: 7 / 26 / 1999
ND = None Detected
MQL = Minimum Quantifiable Level
Analyst: Jon Shell

ND

ND

330

330

Lower De	etection Level = MQL X 10 = 3300 µg/L
	No peaks above 40% of internal standard.
_	Peaks above 40% of internal standard on EPA Appendx IX were identified.*
_	Peaks above 40% of internal standard not on EPA Appendix IX.**
_	Peaks above 40% of internal standard not on EPA Appendix IX were not identified.
_	Additional peaks were observed, but not examined.

### COMMENTS:

### BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM Lab Bench No.

GENERAL INTUICIO			NPDES Permit	NO	
			NPDES Permit Date Req	uested <u>7/2/5</u> 9	
Discharge No. Sample Point Ident:	fication	MFC-7			
Sample Point Ident:		<u></u>	Data To		<del>هي</del>
Requested By <u>Z</u> .  Type of Sample: G	TO SAN CO	mposite (Flow	(Time ) Oth	er ( )	
Type of Sample: G	rab Gar. Oc				- 10 -
CAMBLE IDENTIFICAT	11)N :		Col	lected By W. Sol	en 10, Full
Environment Condit	ion <del>de la contraction</del>	2 GARAGE	Roofing		
Where Taken LAG	M BEMIN	2	Preservative	Date	Time
1. Internal September 1.	Paran	neters	Ter	7/1/79	1130
1. Labour Scom	M 5cm1	VUL	10 - Nº 0 R.O.		_
2.	N 1 24 25				
3.					
4.					
5.					
FIELD:		_	. D166	Analyst	Date
Analysis	Computer		uest Results	marjor	
pH	(0004	(00)	( )		
	(0003	300)	( )		
D.O.	(000)	)10)	( )		
Temperature	(050		( )		<del></del>
Residual Chlorine	(074)	060)	( )		
Flow	CAMPI F. Res	a-() RO V	ehicle () Other		
TRANSPORTATION OF	SAME DE		Date	7.2.85	Time /205
LABORATORY: Recei	ved by		Date Sent to	State Office	
Recorded By	<u> </u>				Date
	Computer	Desugs	Result	<u>Analyst</u>	Measur
Analysis	Code	Request	mg/1	<del></del>	*
	(000310)	()	mg/1		
BOD <sub>5</sub>	(000340)	() —	mg/1		
TOC	(000680)	()			
Suspended Solids	(099000)	()	mg/1		
TKN	(000625)	()	mg/1		
Ammonia-N	(000610)	()	mg/1		*
Fecal Coliform(1)	(074055)	()	colonies/100 ml		- +
Fecal Coliform(2)	(074055)	()	colonies/100 ml		
recal Collidation	(000665)	()	mg/1		
Total Phosphorus	(00055)	;; —	mg/1		_
Oil and Grease(1)	(000550)		mg/1		
Oil and Grease(2)			ing/1		
Chlorides	(099016)		mg/1		
Pheno1	(032730)		mg/1		
Total Chromium	(001034)	$\Omega = \Omega$	mg/1		- 10
Hex. Chromium	(001032)	$\sim$	mg/1		
Zinc	(001092)	$\sim$	mg/1		
Copper	(001042)	() —	mg/1		
Lead	(017501)	()			
Cyanide	(000722)	()	mg/1		
Ganzae	•	()			
		()			
		· > > -			
		\ \ <del>-</del>			
		\ <del>-</del>			<u> </u>
		\\ <b>-</b>		7	
		·			> 1

Lab	Bench	No.	

I. GENERAL INFORMATION: Facility Name  County Code Discharge No. Sample Point Identification Requested By Type of Sample: Crab Composite (Flow ) Where Taken Type Waste 1. Semi-Vod 2. 3. 4. 5. III. FIELD: Analysis PH (000400) D.0. Computer Code Residual Chlorine Residual Chlorine Residual Chlorine Residual Computer Residual Chlorine Residual Computer Residual Chlorine Re	n- ;		1	SUREAU OF POLLU		Lab Bench No.	
North County Code	<i>5</i>			SAMPLE REQU	EST FORM	Lab bench no.	
North County Code		CONTRAL INFORMATIO	N· Facility No	ame Maray	atha Fo	with cent	ter
Discharge No.   Sample Point Identification   NFC   Nequested By   Type of Sample: Grab   Composite (Flow ) (Time ) Other ()   Time   Type   New   New   Type   Typ	1.	Courty Code	<u></u>			No.	
Sample Point Identification   March   Data To   Collected Sy   Type of Sample: Grab   Composite (Flow ) (Time ) Other ()					Date Red	quested $\frac{7/2}{9}$	19
Requested By   Type of Sample: Crab   Composite (Flow )		Sample Point Ident	ification M	FC8		-V: V: C\ -\	<del></del>
Type of Sample: Grab   Composite (Flow   Collected By   SF   W.		Requested By					Joh
SAMPLE IDENTIFICATION:   Parameters		Type of Sample: G	rab Compo	osite (Flow )	(Time ) Oth		46
Environment Undafton   Parameters   Preservative   Date   Time	II.	CAMPIE IDENTIFICAT	' 1 ( ) N) •	<u></u>	Co.		
Type		Environment Condit	ion 9C	NO.1			
1.					Preservative	Date	Time
2. 3.		Type Wast	Paramete	ers A		7/1/99	11:40
2. 3.		1. Scalme . TK	Demi - Vo	<u> </u>		<del></del>	
111. FIELD:		2.					
Simple							
III. FIELD:   Analysis   Computer Code   Request   Results   Analyst   Date							
Analysis	TTT		<del></del>				<b>5</b> . 4 -
Dispended Solids (099000)   Continue   Con	111.		Computer Co	ode Request	Results	Analyst	Date
D.O. (000300) () Temperature (000010) () Residual Chlorine (050060) () Flow (074060) ()  IV. TRANSPORTATION OF SAMPLE: Bus () RO Vehicle () Other () Recorded By Date 7:75 Time 2007  Recorded By Date Sent to State Office Date 8005 (000310) () mg/1			(000400)	) ()			
Temperature (000010) Residual Chlorine (050060) Flow (074060) IV. TRANSPORTATION OF SAMPLE: Bus () Recorded By  Computer Analysis Code Request Result Manalyst Measur. BOD (000340) () mg/1 TOC (000680) () mg/1 TNN (000625) () mg/1 TKN (000625) () mg/1 Fecal Coliform(1) (074055) () colonies/100 ml * Fecal Coliform(2) (074055) () mg/1 Total Phosphorus (000650) () mg/1 Oil and Grease(1) (000550) () mg/1 Oil and Grease(2) (000550) () mg/1 Total Chromium (001034) () mg/1 Total Chromium (0117501) () mg/1 Total Chromium (0117501) () mg/1 Total Chromium (0117501) () mg/1 Total Cyanide (000722) () mg/1 Total Cyanide (000722) () mg/1 Cyanide (000722) () mg/		•	•				
Residual Chlorine		Temperature	•				
IV. TRANSPORTATION OF SAMPLE:   Rus		Residual Chlorine	•				
TRANSPORTATION   Transport   Time   Time   Transport   Time   Tim		Flow			o () Other	7	
Date Sent to State Office   Date	IV.	TRANSPORTATION OF	SAMPLE: Bus (	_ '			Time /005
Computer   Code   Request   Result   Measure	v.		.ved By		Date Sent to		<u> </u>
Analysis   Code   Request   Result   Mg/1   Mg/1		Recorded By	C				Date
BOD   (000310)   ()   mg/1			_	anest	Result	Analyst	Measured
COD <sup>5</sup> (000340) () mg/1  TOC (000680) () mg/1  Suspended Solids (099000) () mg/1  TKN (000625) () mg/1  Ammonia-N (000610) () mg/1  Fecal Coliform(1) (074055) () colonies/100 ml  Fecal Coliform(2) (074055) () colonies/100 ml  Total Phosphorus (000665) () mg/1  Oil and Grease(1) (000550) () mg/1  Oil and Grease(2) (000550) () mg/1  Chlorides (099016) () mg/1  Phenol (032730) () mg/1  Total Chromium (001034) () mg/1  Hex. Chromium (001032) () mg/1  Zinc (001092) () mg/1  Copper (001042) () mg/1  Lead (017501) () mg/1  Cyanide (000722) () mg/1  () mg/1  () mg/1  Cyanide (000722) () mg/1				<del></del>			*
TOC (000680) () mg/1 Suspended Solids (099000) () mg/1 TKN (000625) () mg/1 Ammonia-N (000610) () mg/1 Fecal Coliform(1) (074055) () colonies/100 ml		con <sup>5</sup>	•	` '	mg/1		
Suspended Solids (099000) ( ) mg/1 TKN (000625) ( ) mg/1 Ammonia-N (000610) ( ) mg/1 Fecal Coliform(1) (074055) ( ) colonies/100 ml							_
TKN (000625) () mg/1  Ammonia-N (000610) () mg/1  Fecal Coliform(1) (074055) () colonies/100 ml  Fecal Coliform(2) (074055) () colonies/100 ml  Total Phosphorus (000665) () mg/1  Oil and Grease(1) (000550) () mg/1  Oil and Grease(2) (000550) () mg/1  Chlorides (099016) () mg/1  Phenol (032730) () mg/1  Total Chromium (001034) () mg/1  Hex. Chromium (001032) () mg/1  Zinc (001092) () mg/1  Copper (001042) () mg/1  Lead (017501) () mg/1  Cyanide (000722) () mg/1  () mg/1  () mg/1  Cyanide (000722) () mg/1			(099000)	()			
### Ammonia-N Fecal Coliform(1) (074055) () colonies/100 ml #### ### ### ### ### ### ### ### ### #			(000625)	()		<del></del>	
Fecal Coliform(2) (074055) () colonies/100 ml  Fecal Coliform(2) (074055) () mg/l  Total Phosphorus (000665) () mg/i  Oil and Grease(1) (000550) () mg/l  Chlorides (099016) () mg/l  Phenol (032730) () mg/l  Total Chromium (001034) () mg/l  Hex. Chromium (001032) () mg/l  Zinc (001092) () mg/l  Copper (001042) () mg/l  Lead (017501) () mg/l  Cyanide (000722) () mg/l  () ()			•	()			*
Total Phosphorus (000665) () mg/l Oil and Grease(1) (000550) () mg/l Oil and Grease(2) (000550) () mg/l Chlorides (099016) () mg/l Phenol (032730) () mg/l Total Chromium (001034) () mg/l Hex. Chromium (001032) () mg/l Zinc (001092) () mg/l Copper (001042) () mg/l Lead (017501) () mg/l Cyanide (000722) () mg/l () ()			I	$\odot$ ——			*
Oil and Grease(1) (000550) ( ) mg/1 Oil and Grease(2) (000550) ( ) mg/1 Chlorides (099016) ( ) mg/1 Phenol (032730) ( ) mg/1 Total Chromium (001034) ( ) mg/1 Hex. Chromium (001032) ( ) mg/1 Zinc (001092) ( ) mg/1 Copper (001042) ( ) mg/1 Lead (017501) ( ) mg/1 Cyanide (000722) ( ) mg/1 ( ) ( )			(074055)	` '	the colonies/105 mil		
Oil and Grease(2) (000550) ( ) mg/l Chlorides (099016) ( ) mg/l Phenol (032730) ( ) mg/l Total Chromium (001034) ( ) mg/l Hex. Chromium (001032) ( ) mg/l Zinc (001092) ( ) mg/l Copper (001042) ( ) mg/l Lead (017501) ( ) mg/l Cyanide (000722) ( ) mg/l			•				
Chlorides (099016) () mg/1 Phenol (032730) () mg/1 Total Chromium (001034) () mg/1 Hex. Chromium (001032) () mg/1 Zinc (001092) () mg/1 Copper (001042) () mg/1 Lead (017501) () mg/1 Cyanide (000722) () mg/1 () ()			-				
Phenol (032730) () mg/1  Total Chromium (001034) () mg/1  Hex. Chromium (001032) () mg/1  Zinc (001092) () mg/1  Copper (001042) () mg/1  Lead (017501) () mg/1  Cyanide (000722) () mg/1  () () () () () () () () () () () () () (				•		N	
Total Chromium (001034) () mg/1 Hex. Chromium (001032) () mg/1 Zinc (001092) () mg/1 Copper (001042) () mg/1 Lead (017501) () mg/1 Cyanide (000722) () mg/1 () () () () () () () () () () () () () (			•				
Hex. Chromium (001032) () mg/l Zinc (001092) () mg/l Copper (001042) () mg/l Lead (017501) () mg/l Cyanide (000722) () mg/l () () () () () () () () () () () () () (			•				
Zinc (001092) () mg/1 Copper (001042) () mg/1 Lead (017501) () mg/1 Cyanide (000722) () mg/1  () () () () () () () () () () () () () (			•				
Copper (001042) () mg/1 Lead (017501) () mg/1 Cyanide (000722) () mg/1  () () () () () () () () () () () () () (				()			
Lead (017501) () mg/1 Cyanide (000722) () mg/1 () () () () () () () () () () () () () (							
() () () () () () () () () () () () () (			•				
		Cyanide	(000722)		mg/l		
			<u></u>	· · —			<del></del>
				<i></i>			
				<i></i>			
				( )			_
				/\			
()				( )			
()				()			
			<del></del>	()			
Remarks		Remarks					

La	h	R	en	ch	N	<b>.</b> •	1	202	Ł
1,21	v	D	СШ	СШ	144			OUC	,

**Cost Code:** 

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center

County Code: Lowndes

NPDES Permit No.: Date Requested: 7-2-99

Discharge No:

Sample Point Identification: MFC-8

Requested By:

Data To: K. Shelton

Type of Sample: Grab: (X)

Composite: Flow:

w: Time:

Other:

II. SAMPLE IDENTIFICATION:

Environment Condition: PC & Hot

Where Taken:

Collected By: B F,WS

	Туре	Parameters	Preservative	Date	Time
1.	Waste	Semi-VOA	Ice	7-1-99	1140
2.					
3.					
4.					
5.					
6.					

### III. FIELD:

Analysis	Computer Req Code	Results	Analyst	Date
pН	000400		Ti .	
D.O.	000300			
Temperature	000010			
ResidualChlorine	050060			
Flow	074060			

IV. TRANSPORTATION OF SAMPLE:

Bus:

**RO Vehicle:** 

Other:

V. LABORATORY:

Received by: David Singleton

Recorded by: T. Sawyer

Date: 7-2-99

Time: 1005

Date Sent to State Office: 8-17-99

# TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOUR IN SOILS/SOLIDS

						<u>natha Faith Center M</u>	FC-8	
ANALYSIS OF: Soil DATE RECEIVED: 7-2-99								
COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	µg/Kg	COMPOUNDS	MQL	µg/Kg
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chloroethyl)ether	330	ND	2-Methylnaphthalene	330	ND	Pentachloropohenol	660	ND
2-Chlorophenol	330	ND	Hexachiorocyclopentadiene	330	ND	Phenanthrene	330	ND
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	ND
1,4-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
Benzyl alcohol	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	ND
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	ND
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloroisopropyl)ether	330	ND	Acenaphtylene	330	ND	3,3'Dichlorobenzidine	660	ND
4-Methylphenol	330	ND	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	ND
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	ND
Hexachloroethane	330	ND	Acenaphthene	330	ND	bis(2-Ethylhexyl)phthalate	330	ND
Nitrobenzene	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	ND
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	ND_
2-Nitrophenol	330	ND	Dibenzofuran	330	ND	Benzo(k)fluoranthene	330	ND
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	ND
Benzoic acid	1600	ND	Diethylphthalate	330	ND	indeno(1,2,3-cd)pyrene	330	ND
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	ND
2,4-Dichlorophenol	330	ND	Fluorene	330	ND	Benzo(g,h,i)perylene	330	ND
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND			
Naphthalene	330	ND	4,6-Dinitro-2-methylphenol	1600	ND			ļ
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND			
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND			

SURROGATES

RECOVERY (%) LIMITS

2-Fluorophenol	*	25-121
Phenol-d5	*	24-113
Nitrobenzene-d5	*	23-120
2-Fluorobiphenyl	*	30-115
2,4,6-Tribromophenol	*	19-122

Date Extracted: 7 / 12 / 1999

Date Injected: 7 / 26 / 1999

ND = None Detected

MQL = Minimum Quantifiable Level

Analyst: Jon Shell

Lower De	etection Level = MQL X 500 = 165,000 µg/L
_	No peaks above 40% of internal standard.
_	Peaks above 40% of internal standard on EPA Appendx IX were identified.*
_	Peaks above 40% of internal standard not on EPA Appendix IX.**
_	Peaks above 40% of internal standard not on EPA Appendix IX were not identified.
	Additional party was absorbed but not evening

Additional peaks were observed, but not examined.

COMMENTS: \*Sample prepared by waste dilution method and no surrogates were added. Note: This sample is contaminated with Aliphatic hydrocarbons

# BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM Lab Bench No.

GENERAL INFORMATIO	N: Facili	ty Name Mar	NPDES Permit No.	th Cent	<u> </u>
County Code Lo	<u>wiles</u>		WEDED LETHER NO	sted 7/2/9	
Discharge No.			Date Keques	$\frac{7}{1}$	4
Sample Point Ident	ification	MFCS			
Requested By				jels shel-	ron
Type of Sample: G	rab 👀 (	Composite (Flow	) (Time ) Other	( )	
ALLER TREMETERATE	TON	_		The state of the s	0 - 1.
Environment Condit	100 P C	ho+	Collec	ted By	PHM
There Takes		<del>~ ) 11 ~ </del>			
Where Taken	Para	ameters	Preservative	Date	Time
Type West			TCF	7/1/99	11:6
1. 5-1	- ) - My 1 -	VOA	21 2 2 2		
2.	<del></del>				
3					· · · · · · · · · · · · · · · · · · ·
4.					
5					
FIELD:	_		est Results	Analyst	Date
Analysis			Results Results	Midlyst	<u> Du te</u>
pH	•	()	·		<del></del>
D.O.	•	0300)	?		
Temperature	(000	0010) (	)		
Residual Chlorine	(05)	0060) (	)		
Flow	(074	4060) (	)		
TRANSPORTATION OF	SAMPLE: B	us ( ) RO Vel	nicle () Other ()		
LABORATORY: Recei	ved By	7	Date	• . <del></del>	ime 🗾
Recorded By	···, — <del>L</del>		Date Sent to Sta	te Office	
Recorded by	Computer		<del></del>		Date
	Code	Request	Result	<u>Analyst</u>	Measu
Analysis		<u>Reducat</u>	mg/1		*
BOD <sub>5</sub>	(000310)	·	mg/1		
	(000340)	$\Omega = \Omega$	mg/1		
TOC	(000680)	$\Omega$			
Suspended Solids	(099000)	()	$\frac{\text{mg}/1}{/1}$		
TKN	(000625)	()	mg/1		-
Ammonia-N	(000610)	()	mg/1		*
Fecal Coliform(1)	(074055)	()	colonies/100 ml		<del></del>
Fecal Coliform(2)	(074055)	()	colonies/100 ml	5065	<u> </u>
Total Phosphorus	(000665)	()	mg/1		
Oil and Grease(1)	(000550)	()	mg/1		
Oil and Grease(2)	(000550)	()	mg/1	4	
Chlorides	(099016)	· ( )	ing/1		
Phenol	(032730)		mg/1		
	(001034)		mg/1		
Total Chromium	(001034)	· :	mg/1		
Hex. Chromium	•	$\Omega = \Omega$	$\frac{-87}{\text{mg/1}}$		
Zinc	(001092)	$\Omega$			
Copper	(001042)	()	$\frac{mg/1}{-c/1}$		
Lead	(017501)	()	mg/1		
Cyanide	(000722)	()	mg/1		
100		()			
		()			
<del></del>		()			
		()			-
	ű.	() <del></del>			
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<del></del>		$\sim$			
<del></del>		$\sim$			
		$\langle \cdot \rangle = -$		<u>,                                    </u>	
		()			
Remarks					

Lab Bench No.

	GENERAL INFORMATIO	N. Facilit	v Name M	arana	tha	Faith C	enter
I.	GENERAL INFORMATIO	N: FACTIL		NPI	ES Permit No	0.	
	County Code Lo	mvgez			Date Reque	ested 7/2/	99
	Discharge No.		44 EC 11	~	-		<u> </u>
	Sample Point Ident	ification _	MIL		Data To	Kirk Shel	ton
	Requested By		omposite (F1	OW ) (Tin		r ( )	
	Type of Sample: G	, •	composite (fr	OW / (111			
II.	SAMPLE IDENTIFICAT	11110	سلم ۱۱ م		Co114	ected By $\frac{\omega s}{}$	K P
	Environment Condit	ion Y	c. Hot			sected by <del>vo 3/</del>	777
	Where Taken					Date	Time
	Termo	Para	meters		servative	7/1/99	12:30
	1. Sediment	5=	- VOA_		CE		12,30
	1. Searmen	<u> </u>				_	
	2.					_	
	3					_	
	4						
	5						
III.	FIELD:		Cada D	equest I	Results	Analyst	Date
	Analysis		<u> </u>	<u>lequest</u>	(ESUICS		
	pH	•	)400)	()			
	D.O.	•	)300)				
	Temperature	(00)	0010)	()			
	Residual Chlorine	(05)	0060)	()			
	Flow	•	4060)	()		<del></del>	
	TRANSPORTATION OF			Vehicle ()	Other (	)	
IV.	TRANSPORTATION OF	rod By			Date	7-2-95	Time _/טפיר
v.	LABORATORY: Recei	Lved by		Da	te Sent to S	tate Office	
	Recorded By						Date
		Computer	2	Pos	sult	Analyst	Measured
	Analysis	Code	Request	VE		<u> </u>	*
	BOD <sub>5</sub>	(000310)	()		mg/1		
	COD	(000340)	()		mg/1		
	TOC	(000680)	() _		mg/1		
	Suspended Solids	(099000)	()		mg/1		
	TKN	(000625)	()		mg/l		
		(000610)			mg/1		
	Ammonia-N		$\sim$	colon	ies/100 ml		*
	Fecal Coliform(1)	(074055)	);		ies/100 ml		*
	Fecal Coliform(2)	(0/4033)	) ( —		ing/1		
	Total Phosphorus	(000665)	\ \ <b>-</b>		mg/1		
	Oil and Grease(1)		-		mg/1		
	Oil and Grease(2)	(000550)	() -		mg/1		
	Chlorides	(099016)	()		ing/1		
	Pheno1	(032730)	() _		mg/1		
	Total Chromium	(001034)	( )		mg/1		
	Hex. Chromium	(001032)	()		mg/1		
	Zinc	(001092)	() -		mg/1		
		(001042)	(i) -		mg/1		
	Copper	(017501)	;; -		mg/1		<u> </u>
	Lead		<b>)</b> ( -		mg/1		·
	Cyanide	(000722)	\\ <b>-</b>				
			- 52 -				1
			() _				
			()_				
			()				
	<del></del>		()		<del></del>	<del></del>	
			( )				
			;; -				
			<b>)</b>				
			<b>)</b> ( -				
			\ \ -				
			( ) _				
	Remarks						

Composite:

Lab	Ren	ch	No	•	18	10	
Lau	$\nu \nu$	~…	110	••	10	<b>.</b> .	į

**Cost Code:** 

**GENERAL INFORMATION:** I.

Facility Name: Maranatha Faith Center

**County Code:** Lowndes **NPDES Permit No.:** Date Requested: 7-2-99

Discharge No: Sample Point Identification: MFC-10

Requested By:

Data To: K. Shelton

Type of Sample: Grab: (X)

Flow:

Time:

Other:

SAMPLE IDENTIFICATION: II.

Environment Condition: PC & Hot

Where Taken:

Collected By: WS/KP

	Туре	Parameters	Preservative	Date	Time
1.	Waste	Semi-VOA	Ice	7-1-99	1230
2.					
3.					
4.		-			
5.			×		
6.			103		

#### FIELD: III.

Analysis	Computer Code	Req	Results	Analyst	Date
рН	000400				
D.O.	000300				
Temperature	000010				
ResidualChlorine	050060				
Flow	074060				

TRANSPORTATION OF SAMPLE: IV.

Bus:

RO Vehicle:

Other:

LABORATORY: V.

Received by: David Singleton

Recorded by: T. Sawyer

Date: 7-2-99

Time: 1005

Date Sent to State Office: 8-17-99

### TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPO

IN SOILS/SOLIDS	
MARKED:	Maranatha Faith Center MFC-10

OPCL NO.:1810		MARKED: Maranatha Faith Center MFC-10						
ANALYSIS OF: Soil		DATE RECEIVED: 7-2-99			7-2-99			
COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	μg/Kg	COMPOUNDS	MQL	µg/Kg
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chloroethyl)ether	330	ND	2-Methylnaphthalene	330	57,600	Pentachloropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	*Phenanthrene	330	•185000
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	21,500
1,4-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
Benzyl alcohol	330	ND	2-Chloronaphthalene	330	ND	*Fluoranthene	330	*152000
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	*Pyrene	330	*166000
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloroisopropyl)ether	330	ND	*Acenaphtylene	330	6400	3,3'Dichlorobenzidine	660	ND
4-Methylphenol	330	ND	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	39,000
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	28,300
Hexachloroethane	330	ND	Acenaphthene	330	*184000	bis(2-Ethylhexyl)phthalate	330	ND
Nitrobenzene	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	ND
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	24,200
2-Nitrophenol	330	ND	*Dibenzofurari	330	*118000	Benzo(k)fluoranthene	330	8130
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	14,800
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	Trace
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	ND
2,4-Dichlorophenol	330	ND	*Fluorene	330	*150000	Benzo(g,h,i)perylene	330	Trace
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND	Carbozole	330	29,000
Naphthalene	330	29,700	4,6-Dinitro-2-methylphenol	1600	ND			
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND			<u> </u>
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND_			

SURROGATES

RECOVERY (%) LIMITS

2-Fluorophenol	70	25-121
Phenol-d5	96	24-113
Nitrobenzene-d5	100	23-120
2-Fluorobiphenyl	118	30-115
2,4,6-Tribromophenol	76	19-122
p-Terphenyl-d14	89	18-137

Date Extracted: 7 / 12 / 1999
Date Injected: 7 / 27 / 1999 ND = None Detected MQL = Minimum Quantifiable Level Analyst: Jon Shell

Lower Detection Level = MQL X10 =3300 µg/L
No peaks above 40% of internal standard.
Peaks above 40% of internal standard on EPA Appendx IX were identified.*
Peaks above 40% of internal standard not on EPA Appendix IX.**
Peaks above 40% of internal standard not on EPA Appendix IX were not identified.
Additional peaks were observed, but not examined.
COMMENTS: •Instrumental value exceeds highest point on calibration curve and concentration is therefore being reported as a
" estimated value See TIC's attached.

# Mississippi Dept. of Environmental Quality Office of Pollution Control Laboratory

**Sample # 1810** 

Site: Maranatha Faith Center (MFC-10)

**Collected: 7/2/99** 

### **Tentatively Identified Compounds**

Compound	Estimated Concentration (ug/Kg)
1) Indane	Trace
2) Indene	Trace
3) 1-Methylnaphthalene	9,840
4) Biphenyl	24,600
5) 1-Ethylnaphthalene	9,560
6) 2,6-Dimethylnaphthalene	20,600
7) 2,3-Dimethylnaphthalene	20,100
8) 1,4-Dimethylnaphthalene	9,330
9) 4-methyldibenzofuran	9,930
10) Benzo(a)fluorene	6,560

# BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM Lab Bench No.

GENERAL INFORMATION	H. ESCITT	C KeC	ranatha F		
County Code Lo	nugez		Date Reques	ted 7/2/9	9
Discharge No					
Sample Point Ident	ification .	MECTO	Data To	tick skelt	1133
Requested By	rab 💢	Composite (Flow	) (line ) other		
			Colleg	ted By <u> </u>	20
Environment Condit	ion ?	C, HOT	Collec	ted by way	7.1
Where Taken				- Poto	Tir
Type	Par	ameters	Preservative	Date	
1. Sediment	S	- VcA	ICE	7/1/99	12:
	36.84				
2					
3.					
4		767			
5					
FIELD:	_	Gada Bogs	est Results	Analyst	Date
Analys <u>is</u>			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
pH		0400)	·		
D.O.	• -	0300)	<u> </u>		
Temperature		(0010)	?		
Residual Chlorine	(05	(0060)	)	(%	
Flow	(07	(4060)	)		
TRANSPORTATION OF			hicle () Other ()		84
LABORATORY: Recei	ved By		Date		ime
	Ved 29	<del>) )_</del>	Date Sent to Sta	te Office	
Recorded By	Computor				Da
	Computer	Poswost	Result	Analyst	Meas
Analysis	Code	Request	mg/1		*
BOD <sub>5</sub>	(000310)		$\frac{mg/1}{mg/1}$		
COD	(000340)	()			
TOC	(000680)	()	mg/1		
Suspended Solids	(099000)	()	mg/1		
TKN	(000625)	()	mg/1		
Ammonia-N	(000610)	()	mg/1		*
Fecal Coliform(1)		()	colonies/100 ml		<u>*</u>
Fecal Coliform(2)	(074055)	()	colonies/100 ml		*
Total Phosphorus	(000665)	· · · · · · · · · · · · · · · · · · ·	mg/l		
Oil and Grease(1)	(000550)	· · · · · · · · · · · · · · · · · · ·	mg/1		
O	•		mg/1		
Oil and Grease(2)	(000330)		1ng/1		
Chlorides	(099016)		mg/1		
Pheno1	(032730)	· · · · · · · · · · · · · · · · · · ·	$\frac{mg/1}{mg/1}$		
Total Chromium	(001034)				
Hex. Chromium	(001032)	()	$\frac{mg/1}{\sqrt{1}}$		
Zinc '	(001092)	()	mg/1		
Copper	(0101042)	()	mg/1		
Lead	(017501)	( )	mg/1		
Cyanide	(000722)	()	mg/1		
Cyanite	- CO C C C C C C C C C C C C C C C C C C				
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5 0 0		()			

Lab Bench No.	
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1809

GENERAL INFORMATIO	N: Facility Name				
دسما County Code	7067			sted 7/2/99	
Discharge No.	ification MFC-	- 9			
Requested By <u>R.</u>			Data To		<u>~~</u>
Requested by <u>re.</u>	rab (X Composite	e (Flow ) (	Time ) Other	( )	
					111 0
			Colle	cted By W. Stover	1 K. P.
Where Taken Carak	on EAST SIDE	2 K-M · South	3 Active		77.4
Type	rarameters	_	110001101110	Date	Ti:
1. SOMOT	Somi-Voc		Te=	7/1/99	
2.					
3.					
4.					
5.					
FIELD:			D 1 4 -	Analyet	Dat
Analysis	Computer Code	Request	Results	Analyst	Dat
pH	(000400)	$\mathcal{C} = \mathcal{C}$			
D.O.	(000300)	() -			X .
Temperature	(000010)	$\sim$			<del></del>
Residual Chlorine	(050060)	- :			·
Flow	(074060)	no Validada —	) Other ( )		
TRANSPORTATION OF	SAMPLE: Bus	RO Vehicle (	•		lime
LABORATORY: Recei	ved By	X	Date <u>フ</u> Date Sent to St		بني
Recorded By			Date Sent to St		Da
	Computer	_	Result	Analyst	Meas
Analysis	Code Reques	<u>t</u>	mg/1	indi/oc	*
BOD 5 COD 5	(000310) ()		mg/1		
	(000340)		mg/1		
TOC	(000680)		mg/1		
Suspended Solids	(099000) ()		mg/1		
TKN	(000625)		mg/1	<del></del>	
Ammonia-N	(000610)	col	onies/100 ml		*
Fecal Coliform(1)	(074055) ( )	col	onies/100 ml		*
Fecal Coliform(2)	(074055) ( )		mg/l		
Total Phosphorus	(000550)		mg/1		
Oil and Grease(1) Oil and Grease(2)	(000550)		mg/1		
Chlorides	(099016)		ing/1		
Phenol	(032730)		mg/1		
Total Chromium	(001034)		mg/1		
Hex. Chromium	(001032)		mg/1		
Zinc	(001092)		mg/1		
Copper	(001042)		mg/1		
Lead	(017501)		mg/1		
Cyanide	(000722) ()		mg/1		
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	()				
Remarks					

Lab Bench No.: 1809

**Cost Code:** 

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center

County Code: Lowndes

Discharge No:

Sample Point Identification: MFC-9

Requested By: R. Twitty

Type of Sample: Grab: (X)

Composite: Flow:

Data To: K. Shelton

**NPDES Permit No.:** 

Time: Other:

Date Requested: 7-2-99

II. SAMPLE IDENTIFICATION:

**Environment Condition: PC & Hot** 

Collected By: W. Stover/

K. Posey

Where Taken: Creek on East side of K-M; South of 14th Ave.

	Туре	Parameters	Preservative	Date	Time
1.	Waste	Semi-Vol	Ice	7-1-99	1150
2.					
3.					
4.					
5.				35	
6.					

### III. FIELD:

Analysis	Computer Code	Req	Results	Analyst	Date
pН	000400				
D.O.	000300		·		
Temperature	000010				
ResidualChlorine	050060				
Flow	074060				

IV. TRANSPORTATION OF SAMPLE:

**Bus:** 

**RO Vehicle:** 

Other:

V. LABORATORY:

Received by: David Singleton

Recorded by: T. Sawyer

Date: 7-2-99

Time: 1005

Date Sent to State Office: 8-17-99

# TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOL S IN SOILS/SOLIDS

OPCL NO.:	180	9	MAR	KED:	Mara	natha Faith Center M	FC-9	
ANALYSIS OF:	Soil		DAT	E RECEIV	/ED:	7-2-99		
COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	µg/Kg	COMPOUNDS	MQL	μg/Kg
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chloroethyl)ether	330	ND	2-Methylnaphthalene	330	ND	Pentachloropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	23,600
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	3320
1,4-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
Benzyl alcohol	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	14,600
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	10,400
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloroisopropyl)ether	330	ND	Acenaphtylene	330	ND	3,3'Dichlorobenzidine	660	ND
4-Methylphenol	330	ND	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	3330
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	Trace
Hexachloroethane	330	ND	Acenaphthene	330	4740	bis(2-Ethylhexyl)phthalate	330	ND
Nitrobenzene	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	ND
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	Trace
2-Nitrophenol	330	ND	Dibenzofuran	330	4200	Benzo(k)fluoranthene	330	Trace
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	Trace
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	ND
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	ND
2,4-Dichlorophenol	330	ND	Fluorene	330	6120	Benzo(g,h,i)perylene	330	ND
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND			
Naphthalene	330	ND	4,6-Dinitro-2-methylphenol	1600	ND			
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND			
Hoveehlesshutediana	330	ND	4-Bromonhenyl-phenylether	330	ND		-	

SURROGATES

RECOVERY (%) LIMITS

2-Fluorophenol	67	25-121
Phenol-d5	93	24-113
Nitrobenzene-d5	111	23-120
2-Fluorobiphenyl	*121	30-115
2,4,6-Tribromophenol	99	19-122
p-Terphenyl-d14	97	18-137

Date Extracted: 7 / 12 / 1999

Date Injected: 7 / 27 / 1999

ND = None Detected

MQL = Minimum Quantifiable Level

Analyst: Jon Shell

Lower D	etection Level = MQL X <u>10</u> = <u>3300</u> μg/L
	No peaks above 40% of internal standard.
_	Peaks above 40% of internal standard on EPA Appendx IX were identified.*
_	Peaks above 40% of internal standard not on EPA Appendix IX.**
_	Peaks above 40% of internal standard not on EPA Appendix IX were not identified.
	Additional peaks were observed, but not examined.

COMMENTS: \* The recovery of surrogate #4 (2-flurobipheryl) is slightly high.

Lab Bene	ch No.	
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GENERAL INFORMATIO	-10L'S				ested 7/1/99	
Dibarre No				Date Kequ		<del></del>
Sample Point Ident	ification_	MFC-	9	Data To	VILK SHET	T~
	-/ ///			(Time ) Othe		
Type of Sample: (	Grab (💘 🤻	Composite	(LIOM )		<u> </u>	
TDTMTTTA	PT/NKI A	and the second second		Co11	ected By W. Snule	r / K. Pos
Environment Condition	tion PC	F-F0-1	11 11 : 6 : 1	LI A S Aug.		7
Where Taken <u>Carre</u>	CAST	2121 1	K. M. 533	Preservative	Date	Tim
Type	rara	imerera		I · E	7/1/99	115
1. Sipiment	_Scmi	- Vuc		-L		
2.					R ?	
3.						
4.				10	li .	
5.					<del>.</del>	
FIELD:		0.1-	Poguost	Results	Analyst	Date
Analysis		er Code	Request	Resulto		
pH	•	0400)		<del></del>		
D.O.		0300)				
Temperature	1	0010)	<b>)</b>			
Residual Chlorine		0060)	·			100
Flow		4060)	RO-Vehicle	() Other (	7	
TRANSPORTATION OF	SAMPLE: B	us ()	Ko Asurcie	Date 7		Time
LABORATORY: Rece	ived By 🔔	i. S	<u> </u>	Date Sent to S		
Recorded By				Date Sent to s		Dat
	Computer			Result	Analyst	Measu
Analysis	Code	Request	•	mg/1	<u>imurjot</u>	*
BOD <sub>5</sub>	(000310)	()		mg/1		<del></del>
COD	(000340)	( )		mg/1		7820
TOC	(000680)	()		mg/1	<del></del>	
Suspended Solids	(099000)	()		mg/1		
TKN	(000625)	$\langle \cdot \rangle$		mg/1		
Ammonia-N	(000610)	( )		olonies/100 ml		*
Fecal Coliform(1)	(074055)	()		olonies/100 ml		*
Fecal Coliform(2)		()	<u>c</u>			
Total Phosphorus		()		mg/1		
Oil and Grease(1)		()	+1	mg/1 mg/1		
Oil and Grease(2)	(000550)	()		mg/1 mg/1		
Chlorides	(099016)	()		mg/1		
Pheno1	(032730)	()		mg/1		
Total Chromium	(001034)	()		mg/1	<del></del>	_
Hex. Chromium	(001032)	()		mg/1		
Zinc	(001092)	()		mg/1		
Copper	(001042)	()		mg/1		_
Lead	(017501)	()		mg/1	<del></del>	
Cyanide	(000722)	()		ш <u>в</u> / т		
		()				
		()				
		( )				
				38		
		( )				
					<del></del>	
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		()				<u> </u>
		, ,				

### BUREAU OF PULLUTION CUNTA' L SAMPLE REQUEST FORM

Lab Bench No.: 1461

**NPDES Permit No.:** 

Date Requested:

**Cost Code:** 

**GENERAL INFORMATION:** I.

Facility Name: Maranatha Church - Columbus

County Code: Lowndes

Discharge No:

Sample Point Identification: M-1

Requested By: Richard Harrell

Type of Sample: Grab: Composite:

Time: Flow:

Data To: Richard Harrell

Other: (X) Composite Soil

SAMPLE IDENTIFICATION: П.

**Environment Condition: Sunny 80's** 

Where Taken: Roll off at Kerr-McGee Facility

Collected By: RWH

Tv	ре	Parameters	Preservative	Date	Time
1.	Totals	VOC's	Ice	5-27-99	
2.		Semi Volatiles	Ice	5-27-99	
3.					
4.					
5.					<del></del>
6.					

#### FIELD: Ш.

Analysis	Computer Req Code	Results	Analyst	Date
рН	000400			
D.O.	000300			
Temperature	000010			
ResidualChlorine	050060			
Flow	074060			

IV. TRANSPORTATION OF SAM
---------------------------

Bus:

**RO Vehicle:** 

Other:

LABORATORY: V.

Received by: David Singleton

Recorded by: T. Sawyer

Date: 5-28-99

**Date Sent to State Office:** 

Time: 1000

Ce-21-99

### IMAGEL COMPONENTS COMPO

## SEMIVOLATILE ORGANIC COMPOU. ; IN SOILS/SOLIDS

ODGI NO - 1461	MARKED: Marantha Church KM-1
OPCL NO.: 1461 ANALYSIS OF: Soil	DATE RECEIVED: 5/28/99

COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	μg/Kg	COMPOUNDS	MQL	µg/Kg
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chloroethyl)ether	330	ND	2-Methylnaphthalene	330	ND	Pentachloropohenol	660	ND
	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	5.260
2-Chlorophenol 1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	7,160
	330	ND	2.4.5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
1,4-Dichlorobenzene	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	36,000
Benzyl alcohol	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	40,800
1,2-Dichlorobenzene	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
2-Methylphenol	330	ND	Acenaphtylene	330	TRACE	3,3'Dichlorobenzidine	660	ND
bis(2-Chloroisopropyl)ether	330	ND	2.6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	40,500
4-Methylphenol	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	4,230
N-Nitroso-di-n-propylamine	330	ND	Acenaphthene	330	TRACE	bis(2-Ethylhexyl)phthalate	330	TRACE
Hexachloroethane		ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	ND
Nitrobenzene	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	22,100
Isophorone		ND	Dibenzofuran	330	ND	Benzo(k)fluoranthene	330	9,220
2-Nitrophenol	330	ND	2.4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	12,800
2,4-Dimethylphenol	330		Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	5,800
Benzoic acid	1600	ND		330	ND	Dibenz(a,h)anthracene	330	3,510
bis(2-Chloroethoxy)methane	330	ND_	4-Chlorophenyl-phenylether	330	TRACE	Benzo(g,h,i)perylene	330	4,880
2,4-Dichlorophenol	330	ND_	Fluorene	1600	ND			
1,2,4-Trichlorobenzene	330	ND_	4-Nitroaniline	1600	ND			
Naphthalene	330	ND_	4,6-Dinitro-2-methylphenol	330	ND			
4-Chloroaniline	330	ND	N-nitrosodiphenylamine		ND			
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	IND			

SURROGATES	RECOVERY (%)	LIMITS	
2-Fluorophenol Phenol-d5 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophenol p-Terphenyl-d14	86 73 84 101 88 101	25 - 121 24 - 113 23 - 120 30 - 115 19 - 122 18 - 137	Date Extracted: 6/7/1999 Date Injected: 6/15/1999 ND = None Detected MQL = Minimum Quantifiable Level Analyst:Jon Shell
Lower Detection Level = MQL X	10 = 3300	µg/L	
Dealer above 4094 of in	ternal standard on EP ternal standard not on ternal standard not on	i EPA Appendix IX were not idenu	fied.
COMMENTS:			

# Mississippi Department of Environmental Quality Office of Pollution Control Laboratory 121 Fairmont Plaza Pearl, Mississippi 39042

### Volatile Analysis of Soil By Method 8260

Sample Name

1461

Misc Info

Maranatha Church - Columbus (M-1)

Date Acquired

06/ 3/99 13:48

Date Collected Operator 5/27/99 JS & DS

Operator
Charge Code

3700

Name	Amount U	nits N	IQL	Name	Amount	Units	MQL
Dichlorodifluoromethane	NOT DETE	CTED 200	) ppb	1,1,1,2-Telrachloroethane		DETECTED	200 ppb
Chloromethane	NOT DETE	CTED 200	) ppb	Ethylbenzene		DETECTED	200 ppb
Vinyl Chloride	NOT DETE	CTED 20	ppb	m & p -Xylene		DETECTED	200 ppb
Bromomelhane	NOT DETE	CTED 20	ppb	Styrene		DETECTED	200 ppb
Chloroethane	NOT DETE	CTED 20	) ppb	o - Xylene		DETECTED	200 ppb
Trichlorofluoromethane	NOT DETE	CTED 20	) ppb	Bromoform		DETECTED	200 ppb
Acetone	NOT DETE		) ppb	1,1,2,2-Tetrachloroethane		DETECTED	200 ppb
1.1-Dichloroethene	NOT DETE		ppb	Isopropylbenzene		DETECTED	200 ppb
Methylene Chlonde	NOT DETE		) ppb	1,2,3-Trichloropropane		DETECTED	200 ppb
trans-1,2-Dichloroethene	NOT DETE		) ppb	Bromobenzene	NOT	DETECTED	200 ppb
1,1-Dichloroethane	NOT DETE		) ppb	n-Propylbenzene		DETECTED	200 ppb
2-Butanone (MEK)	NOT DETE		ppb	2-Chlorotoluene	NOT	DETECTED	200 ppb
cis-1,2-Dichloroethene	NOT DETE		dag C	4-Chlorotoluene	NOT	DETECTED	200 ppb
2.2-Dichloropropane	NOT DETE		) ppb	1.3.5-Trimethylbenzene	NOT	DETECTED	200 ppb
Chloroform	NOT DETE		o ppb	tert-Butylbenzene	NOT	DETECTED	200 ppb
Bromochloromethane	NOT DETE		dag C	1.2.4-Tnmethylbenzene	NOT	DETECTED	200 ppb
	NOT DETE		) ppb	sec-Butylbenzene	NOT	DETECTED	200 ppb
1,1,1-Trichloroethane	NOT DETE		) ppb	1.3-Dichlorobenzene	NOT	DETECTED	200 ppb
1,2-Dichloroethane	NOT DETE		) ppb	4-Isopropyltoluene	NOT	DETECTED	200 ppb
1,1-Dichloropropene  Carbon Tetrachlonde	NOT DETE		o ppb	1.4-Dichlorobenzene	NOT	DETECTED	200 ppb
	NOT DETE		0 ppb	1.2-Dichlorobenzene	NOT	DETECTED	200 ppb
Benzene Trichloroethene	NOT DETE		0 ppb	n-Butylbenzene	NOT	DETECTED	200 ppb
1.2-Dichloropropane	NOT DETE		0 ppb	1,2-Dibromo-3-chloropropane	NOT	DETECTED	200 ppb
Dibromomethane	NOT DETE		0 ppb	1.2.4-Trichlorobenzene	NOT	DETECTED	200 ppb
Bromodichloromethane	NOT DETE		0 ppb	Naphthalene	NOT	DETECTED	200 ppb
4-Methyl-2-pentanone (MIBK)	NOT DETE		0 ppb	Hexachlorobutadiene	NOT	DETECTED	200 ppb
cis-1.3-Dichloropropene	NOT DETE		0 ppb	1,2,3-Trichlorobenzene	NOT	DETECTED	200 ppb
<del></del>	NOT DETE		0 ppb		-		
Toluene trans-1,3-dichloropropene	NOT DETE		0 ppb			all a	
1,1,2-Trichloroethane	NOT DETE		0 ppb				
	NOT DETE		0 ppb				
2-Hexanone 1.3-Dichloropropane	NOT DETE		0 ppb				
Dibromochloromethane	NOT DETE		0 ppb				
	NOT DETE		O ppb				
Tetrachloroethene	NOT DETE		0 ppb				
1,2-Dibromoethane	NOT DETE		0 ppb				
Chlorobenzene	NOTUETE	.C.L.C 20	وموم د	_1			

Surrogates	% Recovery	Limits	
Dibromofluoromethane	92	(84-119)	
1,2-Dichloroethane-d4	101	(86-118)	
Toluene-d8	102	(94-105)	
p-Bromofluorobenzene	91	(94-106)	

### Comments:

Note: Recovery of Surrogate #4 (p-Bromofluorobenzene) is low

Note This Sample contains traces of polynuclear aromatic hydrocarbons

Lab Bench No.	
Columbis	
mit No.	

		۸	n 4.	CI 1-01		
GENERAL INFORMATION	: Facilit	y Name <u>l</u>	laranatha	MPDES Permit No	0	
County Code Louis	ndes			Date Reque	ested	
Disabana No				Date made.		
Sample Point Identi	ification 🖊	18' - I		Data To E	icha d Warrel	1.
Requested By KL	<u> ۳</u>			Data 10 F	(x) Compre	3. Se
Type of Sample: Gr	rab ( ) C	omposite	(Flow )	(Time ) Other	( / \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
		- 10				
Environment Condition		J 80'5		Colle	ected By	<del></del>
Invitonment Condica	1 - 3 - 1 V	el- Mile	e Fac.	Yu		
Muere Taken 1-3(1 3)	1 <u>// </u>	meters	<u> </u>	Preservative	<u>Date</u>	Tir
Type  1. 7 tyles		inc ccro		leé	5/27/99	
	VOCS			1CA	5/27/20	
2.	Sem 1	10=3		10%		
3						
4.					-	
5.						
FIELD:				<b>.</b>		Dot
Analysis	Compute	r Code	Request	Results	<u>Analyst</u>	Date
pH		400)				
	•	300)	()			
D.O.		010)	()			
Temperature		060)	Ċ			
Residual Chlorine	•	•	<b>~ ~ ~ ~ ~ ~ ~ ~ ~ ~</b>	<del></del>		<del></del>
Flow .		060)	RO Vehicle	() Other (	7	
TRANSPORTATION OF	SAMPLE: Bu	æ'( ) (	Ko seurcie		-28-95	Time /c
LABORATORY: Receive	ved By	<u> </u>	X	Date	<u> </u>	
Recorded By				Date Sent to S	tate office	Da
(	Computer					
Analysis	Code	Request		Result	Analyst	Meas
	(000310)	()		mg/1		<u>*</u>
	(000340)	()		mg/1		
COD	•	()		mg/1		
100	(000680)	•		mg/1		· ———
Duopenes	(099000)	( )		mg/1		
	(000625)	()				
	(000610)	()		mg/1		· <del>*</del>
Fecal Coliform(1)	(074055)	( )		colonies/100 ml		
Fecal Coliform(2)	(074055)	()		colonies/100 ml		. <del>~ _</del>
Total Phosphorus	(000665)	()		mg/l		
Oil and Grease(1)	(000550)	()		mg/l		
Oll and Grease(1)	(000550)	( )		mg/l		
OII and didaga (=)	•	1 1		mg/1		*)
Chlorides	(099016)	( )	<del></del>	mg/1		
11101101	(032730)	( )		mg/1		
Total Chromium	(001034)	( )				
Hex. Chromium	(001032)	( )		mg/1		
Zinc	(001092)	( )		mg/1		
Copper	(001042)	()		mg/1		
Lead	(017501)	( )		mg/1		
	(000722)	()		mg/1		
Cyanide	(000,22)	Ò				
	<del></del>	1 1				
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I.ah	Ben	ch	No.	•	1460
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**Cost Code:** 

L GENERAL INFORMATION:

Facility Name: Maranatha Church - Columbus

County Code: Lowndes

Discharge No:

Sample Point Identification: M-2

Requested By: Richard Harrell

Type of Sample: Grab: (X)

Grab: (X) Composite:

Flow:

NPDES Permit No.:

Date Requested:

Data To: Richard Harrell

Time: Other:

II. SAMPLE IDENTIFICATION:

**Environment Condition: Sunny 80's** 

Where Taken: Removed Culvert

Collected By:

Ty	ре	Parameters	Preservative	Date	Time
1.	Totals	VOC's	Ice	5-27-99	
2.		Semi Volatiles	Ice	5-27-99	
3.					
4.					
5.					
6.					

### III. FIELD:

Analysis	Computer Req Code	Results	Analyst	Date
pН	000400			
D.O.	000300			
Temperature	000010			
ResidualChlorine	050060			
Flow	074060			

rv	TRA	NSP	ORTA	TION	<b>OF</b>	<b>SAMPLE</b>
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Bus:

**RO Vehicle:** 

Other:

V. LABORATORY:

Received by: David Singleton

Recorded by: T. Sawyer

Date: 5-28-99

Time: 1000

Date Sent to State Office:

6-21-99

# TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOU 5 IN SOILS/SOLIDS

OPCL NO.: 1460	MARKED: Marantha	Church M-2
ANALYSIS OF: Soil	DATE RECEIVED:	5/28/99

COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	µg/Kg	COMPOUNDS	MQL	µg/Кg
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
bis(2-Chloroethyl)ether	330	ND	2-Methylnaphthalene	330	15,100	Pentachloropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	68,200
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	19,400
1,4-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
Benzyl alcohol	330	ND	2-Chioronaphthalene	330	ND	Fluoranthene	330	38,400
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Ругеле	330	39,200
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloroisopropyl)ether	330	ND	Acenaphtylene	330	ND	3,3 Dichlorobenzidine	660	ND
4-Methylphenol	330	ND	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	12,300
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	ND
Hexachloroethane	330	ND	Acenaphthene	330	23,700	bis(2-Ethylhexyl)phthalate	330	ND
Nitrobenzene	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	ND
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	ND
2-Nitrophenol	330	ND	Dibenzofuran	330	18,200	Benzo(k)fluoranthene	330	ND
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	ND
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	ND
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	ND
2,4-Dichlorophenol	330	ND	Fluorene	330	27,300	Benzo(g,h,i)perylene	330	ND
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND			
Naphthalene	330	21,900	4,6-Dinitro-2-methylphenol	1600	ND			
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND			
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND			

SURROGATES	RECOVERY (%)	LIMITS	
Peaks above 40% of int	f internal standard. ternal standard on EP ternal standard not on ternal standard not on	EPA Appendix IX were not identified.	Date Extracted: 6/7/1999
COMMENTS:			

# Mississippi Department of Environmental Quality Office of Pollution Control Laboratory 121 Fairmont Plaza Pearl, Mississippi 39042

### Volatile Analysis of Soil By Method 8260

Sample Name

1460

Misc Info

Maranatha Church - Columbus (M-2)

Date Acquired

06/ 3/99 13:03

Date Collected

5/27/99

Operator

JS & DS

Charge Code

3700

Name	Amount Unit	s MQL	Name	Amount	Units	MQL
Dichlorodifluoromethane	NOT DETECT	ED 200 ppb	1,1,1,2-Tetrachloroethane		DETECTED	200 ppb
Chloromethane	NOT DETECT	ED 200 ppb	Ethylbenzene	NOT	DETECTED	200 ppb
Vinyl Chloride	NOT DETECT	ED 200 ppb	m & p -Xylene	1730.00		200 ppb
Bromomethane	NOT DETECT	ED 200 ppb	Styrene	NOT	DETECTED	200 ppb
Chloroethane	NOT DETECT	ED 200 ppb	o - Xylene	NOT	DETECTED	200 ppb
Trichlorofluoromethane	NOT DETECT	ED 200 ppb	Bromoform	NOT	DETECTED	200 ppb
Acetone	NOT DETECT	ED 200 ppb	1,1,2,2-Tetrachloroethane	NOT	DETECTED	200 ppb
1.1-Dichloroethene	NOT DETECT	ED 200 ppb	Isopropylbenzene	738.00		200 ppb
Methylene Chloride	NOT DETECT	ED 200 ppb	1,2,3-Trichloropropane		DETECTED	200 ppb
trans-1,2-Dichloroethene	NOT DETECT	ED 200 ppb	Bromobenzene	NOT	DETECTED	200 ppb
1.1-Dichloroethane	NOT DETECT	ED 200 ppb	n-Propylbenzene	2810.00		200 ppb
2-Butanone (MEK)	NOT DETECT	ED 200 ppb	2-Chlorotoluene		DETECTED	200 ppb
cis-1.2-Dichloroethene	NOT DETECT	ED 200 ppb	4-Chlorotoluene	NOT	DETECTED	200 ppb
2.2-Dichloropropane	NOT DETECT	ED 200 ppb	1,3,5-Trimethylbenzene	4140.00		200 ppb
Chloroform	NOT DETECT	ED 200 ppb	tert-Butylbenzene	NOT	DETECTED	200 ppb
Bromochioromethane	NOT DETECT	ED 200 ppb	1,2,4-Trimethylbenzene	14,500	ppb	200 ppb
1.1.1-Trichloroethane	NOT DETECT	ED 200 ppb	sec-Butylbenzene	1510.00	ppb	200 ppb
1.2-Dichloroethane	NOT DETECT	ED 200 ppb	1,3-Dichlorobenzene	NOT	DETECTED	200 ppb
1,1-Dichloropropene	NOT DETECT	ED 200 ppb	4-Isopropyltoluene	2680.00		200 ppb
Carbon Tetrachloride	NOT DETECT	ED 200 ppb	1,4-Dichlorobenzene	NOT	DETECTED	200 ppb
Benzene	NOT DETECT	TED 200 ppb	1,2-Dichlorobenzene		DETECTED	200 ppb
Trichloroethene	NOT DETECT	ED 200 ppb	n-Butylbenzene		DETECTED	200 ppb
1.2-Dichloropropane	NOT DETECT	TED 200 ppb	1.2-Dibromo-3-chloropropane	NOT	DETECTED	200 ppb
Dibromomethane	NOT DETECT	TED 200 ppb	1,2,4-Trichlorobenzene	NOT	DETECTED	200 ppb
Bromodichloromethane	NOT DETECT	TED 200 ppb	Naphthalene	7900.00	ppb	200 ppb
4-Methyl-2-pentanone (MiBK)	NOT DETECT	TED 200 ppb	Hexachlorobutadiene	NOT	DETECTED	200 ppb
cis-1.3-Dichloropropene	NOT DETECT	TED 200 ppb	1,2,3-Trichlorobenzene	NOT	DETECTED	200 ppb
Toluene	NOT DETECT	TED 200 ppb				
trans-1,3-dichloropropene	NOT DETECT	TED 200 ppb				
1.1.2-Trichloroethane	NOT DETECT	TED 200 ppb				
2-Hexanone	NOT DETECT					
1,3-Dichloropropane	NOT DETECT	TED 200 ppb				
Dibromochloromethane	NOT DETECT					
Tetrachioroethene	NOT DETECT					
1.2-Dibromoethane	NOT DETECT					
Chlorobenzene	NOT DETECT					

Surrogates	% Recovery	Limits
Dibromofluoromethane	103	(84-119)
1.2-Dichloroethane-d4	104	(86-118)
Toluene-d8	104	(94-105)
n-Bromofluorobenzene	94	(94-106)

### Comments:

Note. This sample is highly contaminated with methyl and ethyl substituted aliphatic and aromatic compounds

Lab Bench No.

			Λ.	L	1	1	ter Colum	L : C
I.	GENERAL INFORMATIO	N: Facili	y Name <u>M</u>	eranathe	( N > < / -	Otoa	e Calua	27.
	County Code La	undes_			NPDES Permi	Lt NO.	ed	
	Discharge No.				Date F	request	=u	
	Sample Point Ident	ification _	M-2		Data	6 6	hand 1the	
	Requested By	W pot			(Time )	ther (	1 0 1 200	
	Type of Sample: (	Grab (() (	Composite (	(Flow )	(Time )	) range	/	
II.	SAMPLE IDENTIFICAT		C'	. ' \$	,	100+	ed By	
	<b>Environment Condit</b>	tion, Son	ng 80		`	OTTECT		
	Where Taken Rima	noed Colu			Day a samue 4 is		Date /	Time
	Type	Para	meters		Preservativ	<u>/e</u>	5/27/49	TIME
	1. Tulale	1100	<u></u>		106		- 7/27/1/	
	2.	Seal	VOCS		i CK		5/2///	<i>/</i>
	3.							
	4.		<u> </u>					_
	5.							
II.	FIELD:		_		n1		Analyst	Date
	Analysis		er Code	Request	Results		Analyst	Date
	pH	•	(400)	() -				
	D.O.		)300)	() -				
	Temperature	•	0010)	() _				
	Residual Chlorine	•	0060)	()_				
	Flow		4060)	() .		<del></del>		
IV.	TRANSPORTATION OF	SAMPLE: B		RO Vehicle				Time /co
v.	LABORATORY: Recei	ived By	$\int_{L}$			<u> </u>		Time 1000
	Recorded By				Date Sent	to State	e Uffice	Date
	,	Computer			_ /		4 .1 .4	_
	Analysis	Code	Request		Result		Analyst	Measured *
	BOD	(000310)	_ ( )		mg,			
	COD	(000340)	( )		mg,			
	TOC	(000680)	( )		mg,			
	Suspended Solids	(099000)	( )		mg			
	TKN	(000625)	( )		mg,			
	Ammonia-N	(000610)	( )		mg,			*
	Fecal Coliform(1)	(074055)	( )		olonies/100 i			· <del>-</del>
	Fecal Coliform(2)	(074055)	( )	C	olonies/100 i			. <del>*</del>
	Total Phosphorus	(000665)	( )		mg.			
	Oil and Grease(1)	(000550)	( )		mg.			
	Oil and Grease(2)	(000550)	( )		mg.			
	Chlorides	(099016)	( )		mg.			
	Phenol	(032730)	( )		mg	<del></del>		
	Total Chromium	(001034)	( )		mg			
	Hex. Chromium	(001032)	( )		mg	<u> </u>	<del></del>	
	Zinc	(001092)	( )		mg			
	Copper	(001042)	()		mg			
	Lead	(017501)	()		mg	<del></del>		
	Cyanide	(000722)	()		mg	<u>/1</u> _		
	•		( )					
			()					
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			()					
			( )					
			- ()					
			()					
			()					
	Remarks		( )					
	VEHIOT V2							

### BUREAU OF POLLUTION CONTRICE SAMPLE REQUEST FORM

Lab Bench No.: 1462

**Cost Code:** 

**GENERAL INFORMATION:** I.

Facility Name: Maranatha Church - Columbus

County Code: Lowndes

Discharge No:

Sample Point Identification: M-3

Requested By: Richard Harrell

Type of Sample: Grab: (X) Composite:

Flow:

**NPDES Permit No.:** 

Date Requested:

Data To: Richard Harrell

Other: Time:

SAMPLE IDENTIFICATION: П.

**Environment Condition: Sunny 80's** 

Where Taken: Culvert

Collected By: RWH

T	ype	Parameters	Preservative	Date	Time
1.	Totals	VOC's	Ice	5-27-99	
2.		Semi Volatiles	Ice	5-27-99	
3.				K,	
4.					
5.					11
6.					

#### Ш. FIELD:

Analysis	Computer Req Code	Results	Analyst	Date
рН	000400			
D.O.	000300			
Temperature	000010			
ResidualChlorine	050060			
Flow	074060		21	

TRANSPORTATION OF SAMPLE: IV.

Bus:

**RO Vehicle:** 

Other:

LABORATORY: V.

Received by: David Singleton

Recorded by: T. Sawyer

Date: 5-28-99

**Date Sent to State Office:** 

Time: 1000

6-21-99

#### TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOL. S IN SOILS/SOLIDS

OPCL NO.: 1462	MARKED: Marantha	Church	M-3	
ANALYSIS OF: Soil		5/28/99		 
AVALIBIS OF . SOII				

COMPOUNDS	MQL	µg/kg	COMPOUNDS	MQL	µg/Кд	COMPOUNDS	MQL	µg/Кg
Phenol	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
	330	ND	2-Methylnaphthalene	330	575,000	Pentachloropohenol	660	ND
bis(2-Chloroethyl)ether	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	5,390,000
2-Chlorophenol  1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	946,000
1,4-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
Benzyl alcohol	330	ND	2-Chioronaphthalene	330	ND	Fluoranthene	330	4,020,000
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	2,500,000
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloroisopropyl)ether	330	ND	Acenaphtylene	330	65,300	3,3'Dichlorobenzidine	660	ND
4-Methylphenol	330	ND	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	978,000
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	934,000
Hexachloroethane	330	ND	Acenaphthene	330	1,270,000	bis(2-Ethylhexyl)phthalate	330	ND
Nitrobenzene	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	ND
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	584,000
2-Nitrophenol	330	ND	Dibenzofuran	330	1,090,000	Benzo(k)fluoranthene	330	203,000
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	428,000
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	172,000
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	49,400
2,4-Dichlorophenol	330	ND	Fluorene	330	1,990,000	Benzo(g,h,i)perylene	330	195,000
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND	Carbozole	330	378,000
Naphthalene	330	479,000	4,6-Dinitro-2-methylphenol	1600	ND			2
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND			
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND			<u> </u>

SURROGATE	S RECOVERY (%)	LIMITS	
Peaks above 40 Peaks above 40 Peaks above 40	104   104   114   114   12L X	24 - 113 23 - 120 30 - 115 19 - 122 18 - 137  DOO	Date Extracted: 6/1/1999 Date Injected: 6/15/1999 ND = None Detected MQL = Minimum Quantifiable Level Analyst: Jon Shell

COMMENTS: The recovery of surrogate #5 (2,4,6-Tribromophenol) is low and outside the normal limits for this analysis.

# Mississippi Department of Environmental Quality Office of Pollution Control Laboratory 121 Fairmont Plaza Pearl, Mississippi 39042

# Volatile Analysis of Soil By Method 8260

Sample Name

1462

Misc Info

Maranatha Church - Columbus (M-3)

Date Acquired

06/ 3/99 14:34

Date Collected

5/27/99

Operator

JS & DS

Charge Code

3700

Dichlorodifluoromethane NOT DETECTED 200 ppb 1,1,1,2-Tetrachloroethane NOT DETECTED 200 ppb Chloromethane NOT DETECTED 200 ppb Ethylbenzene NOT DETECTED 200 ppb Dichloromethane NOT DETECTED 200 ppb Ms p - Xylene NOT DETECTED 200 ppb Ms p - Xylene NOT DETECTED 200 ppb Dichloroethane NOT DETECTED 200 ppb O - Xylene NOT DETECTED 200 ppb O - Xylene NOT DETECTED 200 ppb Dichloroethane NOT DET		A	Units	MQL	Name	Amount	Units	MQL
Dichiorondinariane   NOT DETECTED   200 ppb   Ethylbenzene   NOT DETECTED   200 ppb   200 ppb   NOT DETECTED   200 ppb   NOT DETECTED   200 ppb   NOT DETECTED   200 ppb   NOT DETECTED   200 ppb   Syrene   Syrene   NOT DETECTED   200 ppb   Syrene					1.1.1.2-Tetrachloroethane	NOT	DETECTED	
Chloromethane						NOT	DETECTED	200 ppb
NOT DETECTED   200 ppb   Shyrene   NOT DETECTED   200 ppb   Chlorotelhane   NOT DETECTED   200 ppb   NOT DETECTED   200						NOT	DETECTED	200 ppb
Description						NOT	DETECTED	200 ppb
Chlorotenane						NOT	DETECTED	200 ppb
Inchioriouromentaries						NOT	DETECTED	200 ppb
Not detected   Not	Trichlorofluoromethane					NOT	DETECTED	200 ppb
1,1-Dichloroperine   Not DETECTED   200 ppb   1,2,3-Trichloropropane   Not DETECTED   200 ppb   1,2,3-Trichloropropane   Not DETECTED   200 ppb   1,1-Dichloroethane   Not DETECTED   200 ppb   1,1-Dichloroethane   Not DETECTED   200 ppb   2-Chlorololuene   Not DETECTED   200 ppb	Acetone					TON	DETECTED	200 ppb
Methylene Chloride         NOT DETECTED         200 ppb         Brombenzene         NOT DETECTED         200 ppb           1.1-Dichloroethene         NOT DETECTED         200 ppb         n-Propylbenzene         NOT DETECTED         200 ppb           2.Butanone (MEK)         NOT DETECTED         200 ppb         1.1-Dichloroethene         NOT DETECTED         200 ppb           2.Butanone (MEK)         NOT DETECTED         200 ppb         4-Chlorofoluene         NOT DETECTED         200 ppb           2.2-Dichloropropane         NOT DETECTED         200 ppb         4-Chlorofoluene         NOT DETECTED         200 ppb           Chloroform         NOT DETECTED         200 ppb         1.3.5-Trimethylbenzene         NOT DETECTED         200 ppb           Chloroform         NOT DETECTED         200 ppb         1.2.4-Trimethylbenzene         NOT DETECTED         200 ppb           Bromochloromethane         NOT DETECTED         200 ppb         sec-Butylbenzene         NOT DETECTED         200 ppb           1.1-Tichloroethane         NOT DETECTED         200 ppb         sec-Butylbenzene         NOT DETECTED         200 ppb           1.1-Dichloroethane         NOT DETECTED         200 ppb         1.3-Dichlorobenzene         NOT DETECTED         200 ppb           1.1-Dichloroethane         NOT DET	1,1-Dichloroethene							200 ppb
trans-1,2-bichloroethene         NOT DETECTED         200 ppb         n-Propyberzene         NOT DETECTED         200 ppb           1,1-Dichloroethane         NOT DETECTED         200 ppb         2-Chlorotoluene         NOT DETECTED         200 ppb           2-Butanone (MEK)         NOT DETECTED         200 ppb         4-Chlorotoluene         NOT DETECTED         200 ppb           2,2-Dichloropropane         NOT DETECTED         200 ppb         1,3-5 Trimethylbenzene         768.00 ppb         200 ppb           1,2-Dichloropropane         NOT DETECTED         200 ppb         1,2-4 Trimethylbenzene         NOT DETECTED         200 ppb           1,1-1-Tichloroethane         NOT DETECTED         200 ppb         1,2-4 Trimethylbenzene         631.00 ppb         200 ppb           1,1-1-Tichloroethane         NOT DETECTED         200 ppb         1,2-4 Trimethylbenzene         NOT DETECTED         200 ppb           1,1-1-Dichloropropene         NOT DETECTED         200 ppb         1,3-5 Indicrobenzene         NOT DETECTED         200 ppb           1,1-1-Dichloropropene         NOT DETECTED         200 ppb         1,3-5 Indicrobenzene         NOT DETECTED         200 ppb           1,1-1-Dichloropropene         NOT DETECTED         200 ppb         1,3-5 Indichlorobenzene         NOT DETECTED         200 ppb	Methylene Chloride							200 ppb
1.1-Dichloroethane         NOT DETECTED         200 ppb         2-Phitanone (MEK)         NOT DETECTED         200 ppb         2-Phitanone         NOT DETECTED         200 ppb	trans-1,2-Dichloroethene							200 ppb
2-Butanone (MEK) NOT DETECTED 200 ppb 4-Chitortolulene NOT DETECTED 200 ppb cis-1,2-Dichloroptenene NOT DETECTED 200 ppb 1,3,5-Trimethylbenzene 768.00 ppb 200 ppb 20,0 ppb 1,3,5-Trimethylbenzene NOT DETECTED 200 ppb 1,4,2-4-Trimethylbenzene NOT DETECTED 200 ppb 1,4,4-Trimethylbenzene NOT DETECTED 200 ppb 1,4,4-Trimethylbenzene NOT DETECTED 200 ppb 1,4-Dichloroptenzene NOT DETECTED 200 ppb 1,3-Dichlorobenzene NOT DETECTED 200 ppb 1,4-Dichloroptenzene NOT DETECTED 200 ppb 1,4-Dichlorobenzene NOT DETECTED 200 ppb 1,4-	1,1-Dichloroethane							200 ppb
Cis-12-Dichloroethene         NOT DETECTED         200 ppb         4-Chritoriothene         768.00 ppb         200 ppb           2,2-Dichloropropane         NOT DETECTED         200 ppb         1,3-5-Timethylbenzene         NOT DETECTED         200 ppb           Chloroform         NOT DETECTED         200 ppb         tert-Butylbenzene         NOT DETECTED         200 ppb           Bromochloromethane         NOT DETECTED         200 ppb         1,2-4-Trimethylbenzene         NOT DETECTED         200 ppb           1,1-1-Tichloroethane         NOT DETECTED         200 ppb         1,3-Dichlorobenzene         NOT DETECTED         200 ppb           1,2-Dichloropethane         NOT DETECTED         200 ppb         1,3-Dichlorobenzene         NOT DETECTED         200 ppb           1,1-Dichloropropene         NOT DETECTED         200 ppb         4-Isopropyttoluene         NOT DETECTED         200 ppb           Carbon Tetrachlonde         NOT DETECTED         200 ppb         1,4-Dichlorobenzene         NOT DETECTED         200 ppb           Benzene         NOT DETECTED         200 ppb         1,2-Dichloropenzene         NOT DETECTED         200 ppb           Trichloroethane         NOT DETECTED         200 ppb         1,2-Dichloropropane         NOT DETECTED         200 ppb           Dibromomethane	2-Butanone (MEK)							
2.2-Dichloropropane         NOT DETECTED         200 ppb         1.3.5-Interrupterization         NOT DETECTED         200 ppb           Chloroform         NOT DETECTED         200 ppb         1.2.4-Trimethylbenzene         NOT DETECTED         200 ppb           Bromochloromethane         NOT DETECTED         200 ppb         1.2.4-Trimethylbenzene         NOT DETECTED         200 ppb           1,1-1.1-Trichloroethane         NOT DETECTED         200 ppb         sec-Butylbenzene         NOT DETECTED         200 ppb           1,2-Dichloroethane         NOT DETECTED         200 ppb         1,3-Dichlorobenzene         NOT DETECTED         200 ppb           1,1-Dichloropropene         NOT DETECTED         200 ppb         4-Isopropylloluene         NOT DETECTED         200 ppb           Carbon Tetrachlonde         NOT DETECTED         200 ppb         1,2-Dichlorobenzene         NOT DETECTED         200 ppb           Tochloroethane         NOT DETECTED         200 ppb         1,2-Dichlorobenzene         NOT DETECTED         200 ppb           Tochloroethane         NOT DETECTED         200 ppb         1,2-Dichloropropane         NOT DETECTED         200 ppb           Tochloropropane         NOT DETECTED         200 ppb         1,2-A-Trichlorobenzene         NOT DETECTED         200 ppb           Lose	cis-1,2-Dichloroethene							
Chloroform NOT DETECTED 200 ppb 12,24-Trimethylbenzene NOT DETECTED 200 ppb 1,1.1-Trichloroethane NOT DETECTED 200 ppb 1,3-Dichloroethane NOT DETECTED 200 ppb 1,3-Dichloroethane NOT DETECTED 200 ppb 1,3-Dichlorobenzene NOT DETECTED 200 ppb 1,2-Dichlorobenzene NOT DETECTED 200 ppb 1,3-Dichloropenzene NOT DETECTED 200 ppb 1,3-Dichlorobenzene NOT DETECTED 200 ppb 1,2-Dichlorobenzene NOT DETECTED 200 ppb 1,2-Dichlorobenzene NOT DETECTED 200 ppb 1,2-Dichloropropane NOT DETECTED 200 ppb 1,2-Dichloropropane NOT DETECTED 200 ppb 1,2-Dichloropropane NOT DETECTED 200 ppb 1,2-Dichlorobenzene NOT DETECTED 200 ppb 1,2-Dichloropropene NOT DETECTED 200 ppb 1,2-Dichlorobenzene NOT DETECTED 200 ppb 1,2-Dichloropropene NOT DETECTED 200 ppb 1,2-Dichlorobenzene NOT DETECTED 200 ppb 1,2-Dichloropropene NOT DETECTED 200 ppb 1,	2,2-Dichloropropane							
Not detected   Not detected   200 ppb   1,2,4-Triniterly/denzene   Not detected   200 ppb   1,3-Dichloroethane   Not detected   200 ppb   1,3-Dichloroptopene   Not detected   200 ppb   1,3-Dichloroptopene   Not detected   200 ppb   1,3-Dichloroethane	Chloroform							
1.1.1-Trichloroethane         NOT DETECTED         200 ppb         1.3-Dichloroebrane         NOT DETECTED         200 ppb           1.2-Dichloroethane         NOT DETECTED         200 ppb         1.3-Dichlorobenzene         NOT DETECTED         200 ppb           1.1-Dichloropropene         NOT DETECTED         200 ppb         1.4-Dichlorobenzene         NOT DETECTED         200 ppb           Carbon Tetrachlonde         NOT DETECTED         200 ppb         1.2-Dichlorobenzene         NOT DETECTED         200 ppb           Benzene         NOT DETECTED         200 ppb         1.2-Dichlorobenzene         NOT DETECTED         200 ppb           Trichloroethene         NOT DETECTED         200 ppb         1.2-Dibromo-3-chloropropane         NOT DETECTED         200 ppb           1.2-Dichloropropane         NOT DETECTED         200 ppb         1.2-Dibromo-3-chloropropane         NOT DETECTED         200 ppb           1.2-Dichloromethane         NOT DETECTED         200 ppb         1.2-A-Trichlorobenzene         NOT DETECTED         200 ppb           Bromodichloromethane         NOT DETECTED         200 ppb         NOT DETECTED         200 ppb           Index of the properties of the	Bromochloromethane							
1,2-Dichloroethane         NOT DETECTED         200 ppb         1,3-Dichloropropene         NOT DETECTED         200 ppb           1,1-Dichloropropene         NOT DETECTED         200 ppb         4-Isopropytioluene         NOT DETECTED         200 ppb           Carbon Tetrachlonde         NOT DETECTED         200 ppb         1,4-Dichlorobenzene         NOT DETECTED         200 ppb           Benzene         NOT DETECTED         200 ppb         1,2-Dichlorobenzene         NOT DETECTED         200 ppb           Trichloroethene         NOT DETECTED         200 ppb         n-Butylbenzene         NOT DETECTED         200 ppb           1,2-Dichloropropane         NOT DETECTED         200 ppb         1,2-Dichloropropane         NOT DETECTED         200 ppb           1,2-Dichloropropane         NOT DETECTED         200 ppb         1,2-4-Trichlorobenzene         NOT DETECTED         200 ppb           Bromodichloromethane         NOT DETECTED         200 ppb         Naphthalene         *129000 ppb         200 ppb           4-Methyl-2-pentanone (MiBK)         NOT DETECTED         200 ppb         Hexachlorobutadiene         NOT DETECTED         200 ppb           4-Methyl-2-pentanone (MiBK)         NOT DETECTED         200 ppb         1,2,3-Trichlorobenzene         NOT DETECTED         200 ppb           1,	1.1.1-Trichloroethane	NOT I	DETECTED					
1,1-Dichloropropene         NOT DETECTED         200 ppb         4-Inchloroperation         NOT DETECTED         200 ppb           Carbon Tetrachloride         NOT DETECTED         200 ppb         1,4-Dichlorobenzene         NOT DETECTED         200 ppb           Benzene         NOT DETECTED         200 ppb         1,2-Dichlorobenzene         NOT DETECTED         200 ppb           Trichloroethene         NOT DETECTED         200 ppb         n-Butylbenzene         NOT DETECTED         200 ppb           1,2-Dichloropropane         NOT DETECTED         200 ppb         1,2-Unichloropropane         NOT DETECTED         200 ppb           Dibromomethane         NOT DETECTED         200 ppb         1,2-Unichloropropane         NOT DETECTED         200 ppb           Bromodichloromethane         NOT DETECTED         200 ppb         Hexachlorobenzene         NOT DETECTED         200 ppb           4-Methyl-2-pentanone (MIBK)         NOT DETECTED         200 ppb         Hexachlorobutadiene         NOT DETECTED         200 ppb           4-Methyl-2-pentanone (MIBK)         NOT DETECTED         200 ppb         1,2,3-Trichlorobenzene         NOT DETECTED         200 ppb           Toluene         NOT DETECTED         200 ppb         NOT DETECTED         200 ppb           1,2-Trichloroethane         NOT DETECTE	1.2-Dichloroethane	NOT [	DETECTED					
Carbon Tetrachlonde         NOT DETECTED         200 ppb         1,4-Dichlorobenzene         NOT DETECTED         200 ppb           Benzene         NOT DETECTED         200 ppb         1,2-Dichlorobenzene         NOT DETECTED         200 ppb           Tnchlorothene         NOT DETECTED         200 ppb         n-Butylbenzene         NOT DETECTED         200 ppb           1,2-Dichloropropane         NOT DETECTED         200 ppb         1,2-Dibromo-3-chloropropane         NOT DETECTED         200 ppb           Dibromomethane         NOT DETECTED         200 ppb         1,2-4-Trichlorobenzene         NOT DETECTED         200 ppb           Bromodichloromethane         NOT DETECTED         200 ppb         Naphthalene         *129000 ppb         200 ppb           4-Methyl-2-pentanone (MIBK)         NOT DETECTED         200 ppb         NOT DETECTED         200 ppb           4-Methyl-2-pentanone (MIBK)         NOT DETECTED         200 ppb         1,2,3-Trichlorobenzene         NOT DETECTED         200 ppb           cis-1,3-Dichloropropene         NOT DETECTED         200 ppb         1,2,3-Trichlorobenzene         NOT DETECTED         200 ppb           1,1,2-Trichloroethane         NOT DETECTED         200 ppb         1,3-Dichloropropane         NOT DETECTED         200 ppb           1,3-Dichloropropane	1.1-Dichloropropene	NOT I	DETECTED	200 ppb				
Benzene         NOT DETECTED         200 ppb         1,2-Dictionsoftzere         NOT DETECTED         200 ppb           Tnchloroethene         NOT DETECTED         200 ppb         n-Butylbenzene         NOT DETECTED         200 ppb           1,2-Dichloropropane         NOT DETECTED         200 ppb         1,2-Dibromo-3-chloropropane         NOT DETECTED         200 ppb           Dibromomethane         NOT DETECTED         200 ppb         1,2,4-Trichlorobenzene         NOT DETECTED         200 ppb           Bromodichloromethane         NOT DETECTED         200 ppb         Naphthalene         *129000 ppb         200 ppb           4-Methyl-2-pentanone (MiBK)         NOT DETECTED         200 ppb         Hexachlorobutadiene         NOT DETECTED         200 ppb           4-Methyl-2-pentanone (MiBK)         NOT DETECTED         200 ppb         1,2,3-Trichlorobenzene         NOT DETECTED         200 ppb           1-3-Dichloropropene         NOT DETECTED         200 ppb         NOT DETECTED         200 ppb           1.1.2-Trichloroethane         NOT DETECTED         200 ppb         1.2-Dichloropropane         NOT DETECTED         200 ppb           1.3-Dichloropropane         NOT DETECTED         200 ppb         1.2-Dichloropropane         NOT DETECTED         200 ppb           1.2-Dibromoethane <t< td=""><td></td><td>NOT [</td><td>DETECTED</td><td></td><td></td><td></td><td></td><td></td></t<>		NOT [	DETECTED					
Trichloroethene	Benzene	NOT I	DETECTED					
1,2-Dichloropropane         NOT DETECTED         200 ppb         1,2-Dibromo-3-chloropropane         NOT DETECTED         200 ppb           Dibromomethane         NOT DETECTED         200 ppb         1,2,4-Trichlorobenzene         NOT DETECTED         200 ppb           Bromodichloromethane         NOT DETECTED         200 ppb         Naphthalene         *129000 ppb         200 ppb           4-Methyl-2-pentanone (MiBK)         NOT DETECTED         200 ppb         Hexachlorobutadiene         NOT DETECTED         200 ppb           4-Methyl-2-pentanone (MiBK)         NOT DETECTED         200 ppb         1,2,3-Trichlorobenzene         NOT DETECTED         200 ppb           Toluene         NOT DETECTED         200 ppb         NOT DETECTED         200 ppb           1,2-Trichloroethane         NOT DETECTED         200 ppb         1,2-Trichloroethane         NOT DETECTED         200 ppb           2-Hexanone         NOT DETECTED         200 ppb         1,3-Dichloropropane         NOT DETECTED         200 ppb           Dibromochloromethane         NOT DETECTED         200 ppb         1,2-Trichloroethane         NOT DETECTED         200 ppb           1,2-Dibromochloromethane         NOT DETECTED         200 ppb         1,2-Trichloroethane         NOT DETECTED         200 ppb		NOT I	DETECTED	200 ppb				
Dibromomethane		NOT	DETECTED	200 ppb				
Bromodichloromethane		NOT I	DETECTED	200 ppb	1,2,4-Trichlorobenzene			
4-Methyl-2-pentanone (MiBK)         NOT DETECTED         200 ppb         Hexachlorobutadiene         NOT DETECTED         200 ppb           cis-1,3-Dichloropropene         NOT DETECTED         200 ppb         1,2,3-Trichlorobenzene         NOT DETECTED         200 ppb           Toluene         NOT DETECTED         200 ppb         1,1,2-Trichloropropene         NOT DETECTED         200 ppb           1,1,2-Trichloroethane         NOT DETECTED         200 ppb         1,2-Dichloropropane         NOT DETECTED         200 ppb           2-Hexanone         NOT DETECTED         200 ppb         1,3-Dichloropropane         NOT DETECTED         200 ppb           Dibromochloromethane         NOT DETECTED         200 ppb         1,2-Dibromoethane         NOT DETECTED         200 ppb		NOT I	DETECTED	200 ppb				
cis-1,3-Dichloropropene         NOT DETECTED         200 ppb         1,2,3-Trichlorobenzene         NOT DETECTED         200 ppb           Toluene         NOT DETECTED         200 ppb         1,1,2-Trichloropropene         NOT DETECTED         200 ppb           1,1,2-Trichloroethane         NOT DETECTED         200 ppb         1,2-Dichloropropane         NOT DETECTED         200 ppb           1,3-Dichloropropane         NOT DETECTED         200 ppb         1,2-Dichloropropane         NOT DETECTED         200 ppb           Tetrachloroethene         NOT DETECTED         200 ppb         1,2-Dibromoethane         NOT DETECTED         200 ppb		NOT	DETECTED	200 ppb	Hexachlorobutadiene			
Toluene		NOT I	DETECTED	200 ppb	1,2,3-Trichlorobenzene	NO.	PETECTED	200 ppb
trans-1,3-dichloropropene         NOT DETECTED         200 ppb           1,1.2-Trichloroethane         NOT DETECTED         200 ppb           2-Hexanone         NOT DETECTED         200 ppb           1,3-Dichloropropane         NOT DETECTED         200 ppb           Dibromochloromethane         NOT DETECTED         200 ppb           Tetrachloroethene         NOT DETECTED         200 ppb           1,2-Dibromoethane         NOT DETECTED         200 ppb		NOT I	DETECTED	200 ppb				
1.1.2-Trichloroethane         NOT DETECTED         200 ppb           2-Hexanone         NOT DETECTED         200 ppb           1,3-Dichloropropane         NOT DETECTED         200 ppb           Dibromochloromethane         NOT DETECTED         200 ppb           Tetrachloroethene         NOT DETECTED         200 ppb           1,2-Dibromoethane         NOT DETECTED         200 ppb		NOT 1	DETECTED	200 ppb				
2-Hexanone         NOT DETECTED         200 ppb           1,3-Dichloropropane         NOT DETECTED         200 ppb           Dibromochloromethane         NOT DETECTED         200 ppb           Tetrachloroethene         NOT DETECTED         200 ppb           1,2-Dibromoethane         NOT DETECTED         200 ppb		NOT I	DETECTED	200 ppb				
1,3-Dictoropropane				200 ppb				
NOT DETECTED   200 ppb     Dibromochloromethane   NOT DETECTED   200 ppb				200 ppb			_,	
Tetrachloroethene				200 ppb				
1,2-Dibromoethane NOT DETECTED 200 ppb								
1,2-Distribution								

Surrogates	% Recovery	Limits	
Dibromofluoromethane	97	(84-119)	
1.2-Dichloroethane-d4	100	(86-118)	
Toluene-d8	104	(94-105)	
p-Bromofluorobenzene	93	(94-106)	
D-DIOIIONOUDENZENE		, ,	

#### Comments:

Note: Recovery of Surrogate #4 (p-Bromofluorobenzene) is low.

<sup>\*</sup> Note: The indicated concentration of Naphthalene is and estimated value. The instrumental value for this compound far exceeded the highest point on the calibration curve.

# BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

			SA	MPLE REOUE	ST FORM	Lab	Bench No	
			<u>54</u>	<u> </u>	(1)	-01.	605	
CENED	AL INFORMATION	N: Facility	y Name 🗥	Varanatha	Llurel	7 - Callyn		
Count	y Code Low	~des					ted	
					. ע	ate keques		1.1
_		ification	M-5_			ata To R.	chard Harre	/
Reque	sted By <u>Lw</u>	14		(Flow )	(Time	) Other	( )	
Type	e Point Ident sted By <u>Lw</u> of Sample: G	rab (X) C	omposite	(Flow )	(11mc	, 01		
. SAMIFL	E IDENTIFICAT	<u> </u>	ry 8	<i></i> ღ`5		Collec	ted By	
	onment Condit		·					
	Taken ( )	Para	meters		Preser	vative	Date / 90	Time
, .	Type							<u> </u>
· -	( m+a 1 3		V0( >		1/2		5/27/99	<u> </u>
3. —								
5.								
. FIELD	);		0.1-	Request	Paci	ılts	Analyst	Date
Analy	/sis	Compute		Request	Kest	1113		
pН			400) 300)					
D.O.			010)	$\sim$				
Tempe	rature		060)	$\dot{}$				
	dual Chlorine	(074	.060)	$\dot{}$				
Flow	SPORTATION OF			RO Vehicle	()	Other ()		
TAROL	RATORY: Recei	ved By		X		DateS-	25-52	Time 100
Pacol				×i.	Date S	Sent to Sta	te Office	Date
Neco.		Computer					4-a1-a+	Measur
Analy		Code	Request		Resul		Analyst	*
		(000310)	()			$\frac{\text{mg/1}}{\text{mg/1}}$		
BOD <sub>5</sub>		(000340)	( )			$\frac{mg/1}{mg/1}$		
TOC		(000680)	( )			<del></del>		
	ended Solids	(099000)	()					
TKN		(000625) (000610)	()			mg/1		
Ammo	nia-N		()		olonies	1100		<u>*</u>
Feca	1 Coliform(1)	(074033)	()		colonies			*
Feca	1 Coliform(2)	(000665)	$\sim$			mg/l		
Tota	1 Phosphorus and Grease(1)	(000550)	$\dot{}$			mg/l		
	and Grease(2)	(000550)	$\dot{}$			mg/1		
	rides	(099016)	()			mg/1		
Phen		(032730)	()			$\frac{mg/1}{\sqrt{2}}$		_
	1 Chromium	(001034)	( )			$\frac{mg/1}{\sqrt{1}}$		_
	Chromium	(001032)	( )			$\frac{\text{mg/1}}{-2}$		
	CITTOREGE							
		(001092)	()			$\frac{\text{mg/1}}{\text{mg/1}}$		
Hex.		(001092) (001042)	( )			mg/l		
Hex. Zinc Copp Lead	er	(001092) (001042) (017501)	()			mg/1 mg/1		
Hex. Zinc Copp	er	(001092) (001042)	()			mg/1 mg/1 mg/1		
Hex. Zinc Copp Lead Cyan	er	(001092) (001042) (017501)	()			mg/1 mg/1 mg/1		
Hex. Zinc Copp Lead Cyan	er ide	(001092) (001042) (017501)	() () () () ()			mg/1 mg/1 mg/1		
Hex. Zinc Copp Lead Cyan	er ide	(001092) (001042) (017501)	() () () () () ()			mg/1 mg/1 mg/1		
Hex. Zinc Copp Lead Cyan	er ide	(001092) (001042) (017501)	() () () () () () ()			mg/1 mg/1 mg/1		
Hex. Zinc Copp Lead Cyan	er ide	(001092) (001042) (017501)	() () () () () () ()			mg/1 mg/1 mg/1		
Hex. Zinc Copp Lead Cyan	er ide	(001092) (001042) (017501)	() () () () () () () ()			mg/1 mg/1 mg/1		
Hex. Zinc Copp Lead Cyan	er ide	(001092) (001042) (017501)	() () () () () () () ()			mg/1 mg/1 mg/1		
Hex. Zinc Copp Lead Cyan	er ide	(001092) (001042) (017501)	() () () () () () () ()			mg/1 mg/1 mg/1		

### BUREAU OF POLLUTION CON: YOL SAMPLE REQUEST FORM

Lab Bench No.: 1459

Cost Code:

**GENERAL INFORMATION:** L

Facility Name: Maranatha Church - Columbus

County Code: Lowndes

Discharge No:

Sample Point Identification: KM-1

Requested By: Richard Harrell

Type of Sample: Grab: (X)

Composite:

Flow:

NPDES Permit No.:

Date Requested:

Data To: Richard Harrell

Other: Time:

SAMPLE IDENTIFICATION: П.

**Environment Condition: Sunny 80's** Where Taken: Removed Culvert

Collected By: RWH

T	уре	Parameters	Preservative	Date	Time
1.	Totals	VOC's	Ice	5-27-99	
2.		Semi Volatiles	Ice	5-27-99	
3.					
4.					
5.					
6.					

#### FIELD: Ш

Analysis	Computer Req Code	Results	Analyst	Date
рН	000400			
D.O.	000300			
Temperature	000010			
ResidualChlorine	050060			
Flow	074060			

IV.	TRANSPORTATION O	F SAMPLE
-----	------------------	----------

Bus:

**RO Vehicle:** 

Other:

LABORATORY: V.

Received by: David Singleton

Recorded by: T. Sawyer

Date: 5-28-99

Time: 1000

Date Sent to State Office:

10-21-99

# Mississippi Department of Environmental Quality Office of Pollution Control Laboratory 121 Fairmont Plaza Pearl, Mississippi 39042

# Volatile Analysis of Soil By Method 8260

Sample Name

1459

Misc Info

Maranatha Church - Columbus (KM-1)

Date Acquired

06/ 3/99 12:17

Date Collected

5/27/99

Operator

JS & DS

Operator Charge Code

3700

Name	Amount Units	MQL	Name	Amount	Units	MQL
Dichlorodifluoromethane	NOT DETECTED	200 ppb	1,1,1,2-Tetrachloroethane		ETECTED	200 ppb
Chloromethane	NOT DETECTED	200 ppb	Ethylbenzene		ETECTED	200 ppb
Vinyl Chloride	NOT DETECTED	200 ppb	m & p -Xylene		ETECTED	200 ppb
Bromomethane	NOT DETECTED	200 ppb	Styrene	NOT D	ETECTED	200 ppb
Chloroethane	NOT DETECTED	200 ppb	o - Xylene	NOT D	ETECTED	200 ppb
Tnchlorofluoromethane	NOT DETECTED	200 ppb	Bromoform		ETECTED	200 ppb
Acetone	NOT DETECTED	200 ppb	1,1,2,2-Tetrachloroethane		ETECTED	200 ppb
1 1-Dichloroethene	NOT DETECTED	200 ppb	Isopropylbenzene		ETECTED	200 ppb
Methylene Chloride	NOT DETECTED	200 ppb	1,2,3-Trichloropropane		ETECTED	200 ppb
rans-1,2-Dichloroethene	NOT DETECTED	200 ppb	Bromobenzene		ETECTED	200 ppb
1.1-Dichloroethane	NOT DETECTED	200 ppb	n-Propyibenzene		ETECTED	200 ppb
2-Butanone (MEK)	NOT DETECTED	200 ppb	2-Chlorotoluene	NOT D	ETECTED	200 ppb
cis-1.2-Dichloroethene	NOT DETECTED	200 ppb	4-Chlorotoluene	NOT E	ETECTED	200 ppb
2.2-Dichloropropane	NOT DETECTED	200 ppb	1,3,5-Trimethylbenzene	730.00 p	pb	200 ppb
Chloroform	NOT DETECTED	200 ppb	tert-Butylbenzene	NOT E	ETECTED	200 ppb
Bromochloromethane	NOT DETECTED	200 ppb	1.2.4-Trimethylbenzene	NOT D	ETECTED	200 ppb
	NOT DETECTED	200 ppb	sec-Butylbenzene	NOT D	ETECTED	200 ppb
1,1,1-Tnchloroethane	NOT DETECTED	200 ppb	1.3-Dichlorobenzene	NOT D	ETECTED	200 ppb
1,2-Dichloroethane 1,1-Dichloropropene	NOT DETECTED	200 ppb	4-Isopropyitoluene	NOT D	ETECTED	200 ppb
Carbon Tetrachloride	NOT DETECTED	200 ppb	1.4-Dichlorobenzene	NOT D	ETECTED	200 ppb
	NOT DETECTED	200 ppb	1.2-Dichlorobenzene	NOT E	ETECTED	200 ppb
Benzene	NOT DETECTED	200 ppb	n-Butylbenzene	NOT D	ETECTED	200 ppb
Trichloroethene	NOT DETECTED	200 ppb	1.2-Dibromo-3-chloropropane	NOT E	ETECTED	200 ppb
1,2-Dichloropropane	NOT DETECTED	200 ppb	1.2.4-Trichlorobenzene	NOT E	ETECTED	200 ppb
Dibromomethane	NOT DETECTED	200 ppb	Naphthalene	11,100 p	pb	200 ppb
Bromodichloromethane	NOT DETECTED	200 ppb	Hexachlorobutadiene	NOT D	DETECTED	200 ppb
4-Methyl-2-pentanone (MIBK)	NOT DETECTED	200 ppb	1,2,3-Trichlorobenzene	NOT D	DETECTED	200 ppb
cis-1,3-Dichloropropene	NOT DETECTED	200 ppb				
Toluene trans-1,3-dichloropropene	NOT DETECTED	200 ppb				
1.1.2-Trichloroethane	NOT DETECTED	200 ppb				
	NOT DETECTED	200 ppb				
2-Hexanone 1.3-Dichloropropane	NOT DETECTED	200 ppb				
	NOT DETECTED	200 ppb				
Dibromochloromethane	NOT DETECTED	200 ppb				
Tetrachloroethene	NOT DETECTED	200 ppb				
1,2-Dibromoethane	NOT DETECTED	200 ppb	U.			
Chlorobenzene	NOT DETECTED_	200 000				

Surrogates	% Recovery	Limits
Dibromofluoromethane	86	(84-119)
1,2-Dichloroethane-d4	96	(86-118)
Toluene-d8	105	(94-105)
p-Bromofluorobenzene	89	(94-106)

#### Comments:

Note. This sample is contaminated with many methyl and ethyl substituted aromatic compounds

Note: Recovery of Surrogate #4 (p-Bromofluorobenzene is low.

# TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOU. IN SOILS/SOLIDS

OPCL NO.: 1459 MARKED: Marantha Church KM-1
ANALYSIS OF: Soil DATE RECEIVED: 5/28/99

ANALYSIS OF:_	MQL	µg/kg	COMPOUNDS	MQL	µg/Кg	COMPOUNDS	MQL	µg/Кg
	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
Phenol	330	ND	2-Methylnaphthalene	330	74,800	Pentachloropohenol	660	ND
bis(2-Chloroethyl)ether	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	*2,000,000
2-Chlorophenol	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	ND
1,3-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
1,4-Dichlorobenzene	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	*1,720,000
Benzyl alcohol	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	*993,000
1,2-Dichlorobenzene	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
2-Methylphenol	330	ND	Acenaphtylene	330	62,100	3,3'Dichlorobenzidine	660	ND
bis(2-Chloroisopropyl)ether	330	ND	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	<b>~696,000</b>
4-Methylphenol	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	308,000
N-Nitroso-di-n-propylamine	330	ND	Acenaphthene	330	*529,000	bis(2-Ethylhexyl)phthalate	330	ND
Hexachloroethane	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	ND
Nitrobenzene	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	332,000
Isophorone	330	ND	Dibenzofuran	330	*452,000	Benzo(k)fluoranthene	330	74,700
2-Nitrophenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	239,000
2,4-Dimethylphenol	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	86,000
Benzoic acid	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	39,300
bis(2-Chloroethoxy)methane	330	ND	Fluorene	330	*734,000	Benzo(g,h,i)perylene	330	90,200
2,4-Dichlorophenol	330	ND	4-Nitroaniline	1600	ND			
1,2,4-Trichlorobenzene	330	15,900	4,6-Dinitro-2-methylphenol	1600	ND		1	
Naphthalene	330	ND	N-nitrosodiphenylamine	330	ND			
4-Chloroaniline  Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND			

SURROGATES	RECOVERY (%)	LIMITS	
2-Fluorophenol Phenol-d5 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophenol p-Terphenyl-d14	86 94 88 113 105	25 - 121 24 - 113 23 - 120 30 - 115 19 - 122 18 - 137	Date Extracted: 6/7/1999  Date Injected: 6/15/1999  ND = None Detected  MQL = Minimum Quantifiable Level  Analyst: Jon Shell
Lower Detection Level = MQL X	10 = 3,300	μg/L	

No peaks above 40% of internal standard.

Peaks above 40% of internal standard on EPA Appendx IX were identified.\*

Peaks above 40% of internal standard not on EPA Appendix IX.\*\*

Peaks above 40% of internal standard not on EPA Appendix IX were not identified.

Additional peaks were observed, but not examined.

COMMENTS: The instrumental values for these compounds exceed the highest point on the calibration curve. The concentrations are therefore being reported as "approximate" values

#### BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

			SAL	MPLE REQUES	T FORM		Bench No.		
	GENERAL INFORMATIO		· · · · ·	٠. المار .	Charl	- ( -	S-dmul		
I.	GENERAL INFORMATIO	N: Facili	y Name <u>"\</u>	larana We	MDDEC POS	mit No	(0.11		
	County Code Low?	rdes			NPDES FEE	Reques	ted		
					Date	: Keques			
	Sample Point Ident	ification &	(m-1		Date	TO C.	hard Lair	is (1	
			1 1	(P1 )	(Time )	Other	()	1	
	Type of Sample: G	rab (X)	Composite	(Flow )	(IIme )	Other	` '	=, 1	
II.	SAMPLE IDENTIFICAT	10N: حم	ز ریم			Collec	ted By Ri	$\cdot$ $\cdot$ $\vdash$	
	<b>Environment Condit</b>	ion ; わいへ				001100			
	Where Taken _ CAM	016 611	100		Preservat	ive	Date		Time
	Туре	Para	ameters				5/27/	135	
	1. Totals	Vocs			16C		5/276		
	2.	Semi V	, C	"	ice			<del></del>	
	3.						<del></del>		
	4.								
	5.							<del></del>	
III.	FIELD:		0.4.	Poguage	Results	2	Analyst		Date
	Analysis		er Code	Request	Resure	_	<u></u>	•	
	pH	•	0400)	().					
	D.O.	•	0300)	().					
	Temperature		0010)	().					
	Residual Chlorine		0060)	()					
	Flow		4060)	RO Vehicle	( ) Ot	ner ()		0.	
IV.	TRANSPORTATION OF	SAMPLE: B		Ko venicie			28-59	Tin	ne 1000
V.	LABORATORY: Recei	ved By			Date Sen	t to Sta	ate Office	-	
	Recorded By				Date sen		_		Date
		Computer	Daguest		Result		Analyst		Measured
	<u>Analysis</u>	Code	Request			mg/1 _			*
	BOD <sub>5</sub>	(000310)	( )			$\frac{g}{mg/1}$			
		(000340)	()			$\frac{g}{mg/1}$			
	TOC	(000680)	()			mg/1			
	Suspended Solids	(099000)	()			mg/1			
	TKN	(000625)	()			mg/1			
	Ammonia-N	(000610)	()		olonies/10	0 ml			*
	Fecal Coliform(1)	(0/4055)	()		olonies/10	0 ml			*
	Fecal Coliform(2)	(0/4033)	()		020112007 = 5	mg/l			
	Total Phosphorus	(000665)	()			mg/1			
	Oil and Grease(1)	(000550)	()			mg/1			
	Oil and Grease(2)	(000550)	()			mg/1			
	Chlorides	(099016)	()			mg/1			
	Phenol	(032730)	()			$\frac{mg}{1}$			
	Total Chromium	(001034)	()			$\frac{mg/1}{}$			
	Hex. Chromium	(001032)	()			$\frac{mg}{1}$			
	Zinc	(001092)	()			mg/1			
	Copper	(001042)	1 1			$\frac{mg/2}{mg/1}$			
	Lead	(017501)	( )			$\frac{mg}{1}$		<del></del>	
	Cyanide	(000722)	()			<u>6/-</u>	.0		
			( )						
			()						
			( )						
			( )						
			()	<del></del>					
			( )			<del></del>			<del></del>
			( )						
			( )						
			( )						
			()					<del></del>	
	Remarks								

BUREAU OF POLLUTION CONTROL Lab Bench No. SAMPLE REQUEST FORM I. GENERAL INFORMATION: Facility Name Maranatha NPDES Permit No. County Code Lowdes Date Requested \_ Sample Point Identification Drainage Creek Data To Kirk Type of Sample: Grab (Composite (Flow ) (Time Other ( ) ) II. SAMPLE IDENTIFICATION: Collected By **Environment Condition** Time Where Taken Preservative Parameters Semi-Vol(Seil) (Courts) (col IIDO 5. Date II. FIELD: Analyst Results Request Computer Code Analysis (000400)рН () (000300)D.O. () (000010)Temperature () (050060)Residual Chlorine () (074060)Other () RO Vehicle ( ) IV. TRANSPORTATION OF SAMPLE: Bus & 1) Time 09/0 V. LABORATORY: Received By Date Date Sent to State Office Date Recorded By Computer Measured Analyst Result Request Code Analysis mg/1) (000310) BOD<sub>5</sub>  $mg/\overline{1}$ ) (000340) mg/1) (000680)TOC mg/1) (099000)Suspended Solids mg/1(000625)TKN mg/1) (000610)Ammonia-N colonies/100 ml ) (074055) Fecal Coliform(1) colonies/100 ml ) (074055)Fecal Coliform(2) (000665)Total Phosphorus mg/1) (000550)Oil and Grease(1) mg/1(000550)Oil and Grease(2) ing/1(099016)Chlorides mg/1(032730) Pheno1 mg/1(001034)Total Chromium mg/1(001032)Hex. Chromium mg/1(001092)Zinc mg/1(001042)Copper mg/1) (017501)Lead mg/1( ) (000722)Cyanide

\*Date of Test Initiation

Remarks

#### BUREAU OF POLLUTION CONTROL SAMPLE REQUEST FORM

I ah	Bench	No .	1440
1.211)	Denth	130.	1770

**Cost Code:** 

L GENERAL INFORMATION:

Facility Name: Maranatha Faith Center

County Code: Lowndes

Discharge No:

NPDES Permit No.:

Date Requested: 5-99

Discharge No:

Sample Point Identification: Drainage Creek

Requested By:

Data To: Kirk Shelton

Type of Sample: Grab: (X) Composite: Flow: Time: Other:

II. SAMPLE IDENTIFICATION:

**Environment Condition:** 

Collected By:

Where Taken:

	Туре	Parameters	Preservative	Date	Time
1.	Grab(2)	Semi-Vol(soil)(Culverts)	Cool	5-26-99	1100
2.					
3.					
4.					
5.	4				
6.			1		<u></u>

#### III. FIELD:

Analysis	Computer Req Code	Results	Analyst	Date
pН	000400			
D.O.	000300	W.		
Temperature	000010			
ResidualChlorine	050060			
Flow	074060			

IV. TRANSPORTATION OF SAMPLE:

Bus: RO Vehicle:

Other:

V. LABORATORY:

Received by: V. Stamps

Recorded by: T. Sawyer

Date: 5-27-99

Time: 0910

Date Sent to State Office: 8-5-99

# F-MIVOLATILE ORGANIC COMPOUNDS IN SOILS/SOLIDS

OPCL NO.: 1440	MARKED: Marantha Faith Center #1
ANALYSIS OF: Soil/Sed.	DATE RECEIVED: 5/21/99

ANALYSIS OF: Sol.	<u>MQ</u> L	µg/kg	COMPOUNDS	MQL	µg/Кg	COMPOUNDS	MQL	µg/Kg
	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachlorobenzene	330	ND
Phenol			2-Methylnaphthalene	330	793,000	Pentachloropohenol	660	ND
bis(2-Chloroethyl)ether	330	ND		330	ND	Phenanthrene	330	11,900,000
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Anthracene	330	1,300,000
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
1,4-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	330	ND	Fluoranthene	330	7,590,000
Benzyl alcohol	330	ND	2-Chioronaphthalene	1600	ND	Pyrene	330	4,890,000
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	330	ND	Butylbenzylphthalate	330	ND
2-Methylphenol	330	ND	Dimethylphthalate		ND	3,3'Dichlorobenzidine	660	ND
bis(2-Chloroisopropyl)ether	330	ND	Acenaphtylene	330		Benzo(a)anthracene	330	1,560,000
4-Methylphenol	330	ND	2,6-Dinitrotoluene	330	ND		330	1,210,000
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	ND
Hexachloroethane	330	ND	Acenaphthene	330	2,160,000	bis(2-Ethylhexyl)phthalate	330	ND
Nitrobenzene	330	ND	2,4-Dinitrophenol	1600	ND	Di-n-octylphthalate	330	939,000
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	404,000
2-Nitrophenol	330	ND	Dibenzofuran	330	2,160,000	Benzo(k)fluoranthene	1	
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	731,000
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	Trace
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	ND
2,4-Dichlorophenol	330	ND	Fluorene	330	3,670,000	Benzo(g,h,i)perylene	330	Trace
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND	Carbazole	330	593,000
Naphthalene	330	617,000	4,6-Dinitro-2-methylphenol	1600	ND	ļ		<del> </del>
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND		<del> </del>	<del></del>
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND			<u> </u>

SURROGATES

RECOVERY (%) LIMITS

2-Fluorophenol	*	25-121
Phenol-d5	*	24-113
Nitrobenzene-d5	*	23-120
2-Fluorobiphenyl	*	30-115
2,4,6-Tribromophenol	*	19-122
p-Terphenyl-d14	*	18-137

Date Extracted: 6/7/1999
Date Injected: 7/14/1999
ND = None Detected
MQL = Minimum Quantifiable Level
Analyst:Jon Shell

Lower Detection Level	= MQL X 1000 = 330,000 µg/L	
Peaks abo Peaks abo Peaks abo	above 40% of internal standard. ve 40% of internal standard on EPA Appendx IX were identified.* ve 40% of internal standard not on EPA Appendix IX.** ve 40% of internal standard not on EPA Appendix IX were not identified. ve 40% of internal standard not on EPA Appendix IX were not identified. peaks were observed, but not examined.	
 Comments:	*Surrogate recoveries not calculated due to extreme dilution for analysis.	

# F-WIVOLATILE ORGANIC COMPOUNDS IN SOILS/SOLIDS

OPCL NO.: 1440	MARKED: Marantha Faith Center #2
ANALYSIS OF: Soil/Sed.	DATE RECEIVED: 5/27/99

NALYSIS OF: SOL	MQL	µg/kg	COMPOUNDS	MQL	μg/Kg	COMPOUNDS	MQL	μg/Kg
	330	ND	4-Chloro-3-methylphenol	330	ND	Hexachiorobenzene	330	ND
Phenol	330	ND	2-Methylnaphthalene	330	504,000	Pentachioropohenoi	660	ND
bis(2-Chloroethyl)ether		ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	11,400,000
2-Chlorophenol	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	1,250,000
1,3-Dichlorobenzene		ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
1,4-Dichlorobenzene	330		2-Chloronaphthalene	330	ND	Fluoranthene	330	7,630,000
Benzyl alcohol	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	4,810,000
1,2-Dichlorobenzene	330	ND		330	ND	Butylbenzylphthalate	330	ND
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	3,3'Dichlorobenzidine	660	ND
bis(2-Chloroisopropyl)ether	330	ND	Acenaphtylene	330	ND	Benzo(a)anthracene	330	1,570,000
4-Methylphenol	330	ND	2,6-Dinitrotoluene	1600	ND	Chrysene	330	1,230,000
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	330	1,590,000	bis(2-Ethylhexyl)phthalate	330	ND
Hexachloroethane	330	ND_	Acenaphthene		ND	Di-n-octylphthalate	330	ND
Nitrobenzene	330	ND	2,4-Dinitrophenol	1600		Benzo(b)fluoranthene	330	998,000
Isophorone	330	ND	4-Nitrophenol	1600	ND		330	388,000
2-Nitrophenol	330	ND	Dibenzofuran	330	1,640,000	Benzo(k)fluoranthene	330	702,000
2,4-Dimethylphenol	330	ND	2,4-Dinitratoluene	330	ND	Benzo(a)pyrene	330	283,000
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	ND
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	402,000
2,4-Dichlorophenol	330	ND	Fluorene	330	377,000	Benzo(g,h,i)perylene		585,000
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND	Carbazole	330	303,000
Naphthalene	330	304,000	4,6-Dinitro-2-methylphenol	1600	ND		+	+
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND			+
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND			<u> </u>

SURROGATES

RECOVERY (%) LIMITS

a Filmonda		25-121
2-Fluorophenol		24-113
Phenol-d5		23-120
Nitrobenzene-d5	- +	
2-Fluorobiphenyl	*	30-115
2,4,6-Tribromophenol	*	19-122
p-Terphenyl-d14		18-137

Date Extracted: 6/7/1999
Date Injected: 7/14/1999
ND = None Detected
MQL = Minimum Quantifiable Level
Analyst:Jon Shell

Lower Detection Level	= MQL X 500 = 165,000 µg/L	
Peaks abo Peaks abo Peaks abo Additional	above 40% of internal standard.  ve 40% of internal standard on EPA Appendx IX were identified.*  ve 40% of Internal standard not on EPA Appendix IX.**  ve 40% of Internal standard not on EPA Appendix IX were not identified.  ve 40% of Internal standard not on EPA Appendix IX were not identified.  peaks were observed, but not examined.	
COMMENTS:	*Surrogate recoveries not calculated due to extreme dilution for analysis.	

#### DUNEAU OF LOTHOTION CONT. COT SAMPLE REQUEST FORM

		160	
Lab	Bench	No.:	1438

**Cost Code:** 

I.	GENER!	١L	INFO	RMA	<b>ATION:</b>
----	--------	----	------	-----	---------------

Facility Name: Maranatha Faith Center

**County Code: Lowndes** 

Discharge No:

Sample Point Identification: Drainage Creek

Requested By: Complaint File

Type of Sample: Grab: (X)

Composite:

Flow:

**NPDES Permit No.:** 

Date Requested: 5-99

Data To: Kirk Shelton

Other: Time:

#### SAMPLE IDENTIFICATION: Π.

**Environment Condition:** 

Where Taken:

Collected By:

	Туре	Parameters	Preservative	Date	Time
1.	Grab	Semi-Vol (Upstream)	Cool	5-26-99	1100
2.					
3.					
4.					
5.					
6.					

#### Ш. FIELD:

Analysis	Computer Req Result Code	ts Analyst Date
рН	000400	
D.O.	000300	
Temperature	000010	
ResidualChlorine	050060	
Flow	074060	

T\$7	TTD A	NICDO	DTA	TION	OF SA	MPLE:

Bus:

**RO Vehicle:** 

Other:

LABORATORY: V.

Received by: V. Stamps

Recorded by: T. Sawyer

Date: 5-27-99

**Date Sent to State Office:** 

Time: 0910 6-15-99

JUN | 6 1

#### TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOUNDS IN WATER

. NO.:1438			MARKED	:	Maranath	na Faith Center (Upstream)	_	
YSIS OF: Water			DATE RE	CEIVED:_		5-27-99		
COMPOUNDS	MQL	μg/L	COMPOUNDS	MQL	µg/L	COMPOUNDS	MQL	µg.
Phenol	10	ND	4-Chloro-3-methylphenol	20	ND	Hexachlorobenzene	10	NE
bis(2-Chloroethyl)ether	10	ND	2-Methylnaphthalene	10	ND	Pentachloropohenol	50	N
2-Chlorophenol	10	ND	Hexachlorocyclopentadiene	10	ND	Phenanthrene	10	NI
1,3-Dichlorobenzene	10	ND	2,4,6-Trichlorophenol	10	ND	Anthracene	10	NI
1,4-Dichlorobenzene	10	ND	2,4,5-Trichlorophenol	10	ND_	Di-n-butylphthalate	10	N
Benzyl alcohol	20	ND	2-Chioronaphthalene	10	ND	Fluoranthene	10	N
1.2-Dichlorobenzene	10	ND	2-Nitroaniline	50	ND	Pyrene	10	<u> </u>
2-Methylphenol	10	ND	Dimethylphthalate	10	ND_	Butylbenzylphthalate	10	ŮN
bis(2-Chloroisopropyl)ether	10	ND	Acenaphtylene	10	ND	3,3'Dichlorobenzidine	50	N
	10	ND	2,6-Dinitrotoluene	10	ND_	Benzo(a)anthracene	10	N
4-Methylphenol N-Nitroso-di-n-propylamine	20	ND	3-Nitroaniline	50	ND_	Chrysene	10	Ų N
Hexachloroethane	20	ND	Acenaphthene	10	ND	bis(2-Ethylhexyl)phthalate	10	N
	10	ND	2,4-Dinitrophenol	50	ND	Di-n-octylphthalate	10	<u>  N</u>
Nitrobenzene	10	ND	4-Nitrophenol	50	ND	Benzo(b)fluoranthene	10	N
Isophorone	20	ND	Dibenzofuran	10	ND	Benzo(k)fluoranthene	10	<u>                                     </u>
2-Nitrophenol	10	ND	2,4-Dinitrotoluene	10	ND	Benzo(a)pyrene	10	1
2,4-Dimethylphenol	50	ND	Diethylphthalate	10	ND	Indeno(1,2,3-cd)pyrene	20	
Benzoic acid	10	ND	4-Chlorophenyl-phenylether	10	ND	Dibenz(a,h)anthracene	20	
bis(2-Chloroethoxy)methane		ND ND	Fluorene	10	ND	Benzo(g,h,i)perylene	20	$\prod_{\mathbf{N}}$
2,4-Dichlorophenol	10	ND ND	4-Nitroaniline	50	ND			
1,2,4-Trichlorobenzene	10	ND	4,6-Dinitro-2-methylphenol	50	ND			
Naphthalene	10	ND	N-nitrosodiphenylamine	20	ND			
4-Chloroaniline Hexachlorobutadiene	10	ND ND	4-Bromophenyi-phenylether	10	ND			

#### SURROGATES

COMMENTS:

RECOVERY (%) LIMITS

2-Fluorophenol	58	21-100
Phenol-d5	65	10-194
Nitrobenzene-d5	62	35-114
2-Fluorobiphenyl	65	43-116
2,4,6-Tribromophenol	79	10-123
p-Terphenyl-d14	81	33-141

Date Extracted: 6 / 1 / 1999

Date Injected: 6 / 8 / 19

ND = None Detected

MQL = Minimum Quantifiable Level

Analyst: Jon Shell

	Lower Detection Level = MQL X 1 = µg/L
<u>-</u> - -	No peaks above 40% of internal standard.  Peaks above 40% of internal standard on EPA Appendx IX were identified.*  Peaks above 40% of internal standard not on EPA Appendix IX.**  Peaks above 40% of internal standard not on EPA Appendix IX were not identified.  Additional peaks were observed, but not examined.

#### BUREAU OF POLLUTION CONTROL Lab Bench No. SAMPLE REQUEST FORM Center I. GENERAL INFORMATION; Facility Name Maranatha NPDES Permit No. Date Requested May 99 County Code Liw des Discharge No. Sample Point Identification Doubles Creek Requested By Complaint File Date Type of Sample: Grab (X) Composite (Flow ) (Time ) Data To Other ( ) II. SAMPLE IDENTIFICATION: Collected By \_ **Environment Condition** Time Where Taken Date Preservative Parameters 1100 Cool 5. Date II. FIELD: Analyst Request Results Computer Code Analysis (000400) pН ( ) (000300) D.O. ( ) (000010)Temperature ) (050060)Residual Chlorine () (074060)V. LABORATORY: Received By Recorded By Other () RO Vehicle ( ) IV. TRANSPORTATION OF SAMPLE: Date 5-27-99 Date Sent to State Office Date Computer Measured Analyst Result Request Code Analysis mg/1 ( ) (000310)BOD<sub>5</sub> mg/1) (000340)mg/1() (000680)TOC mg/1) (099000)Suspended Solids mg/1(000625)TKN mg/1) (000610)Ammonia-N colonies/100 ml (074055) Fecal Coliform(1) colonies/100 ml Fecal Coliform(2) (074055) Total Phosphorus (000665)mg/l ) (000550)Oil and Grease(1) mg/1Oil and Grease(2) (000550)

ng/1

mg/1

mg/1

mg/1

\*Date of Test Initiation

Chlorides

Total Chromium

Hex. Chromium

Pheno1

Zinc

Lead

Copper

Cyanide

Remarks

(099016)

(032730)

(001034)

(001032)

(001092)

(001042)

(017501)

(000722)

#### BUKEAU OF PULLUTION CONTINUE SAMPLE REQUEST FORM

Lab	<b>Bench</b>	No.:	1439

Cost Code:

T.	GENERAL	<b>INFORMATION:</b>
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Facility Name: Maranatha Faith Center

**County Code: Lowndes** 

Discharge No:

Sample Point Identification: Drainage Creek

Requested By:

Type of Sample: Grab: (X)

Composite:

Flow:

Date Requested: 5-99

**NPDES Permit No.:** 

Data To: Kirk Shelton

Other: Time:

#### SAMPLE IDENTIFICATION: П.

**Environment Condition:** 

Where Taken:

Collected By:

	Туре	Parameters	Preservative	Date	Time
1.	Grab	Semi-Vol (Downstream)	Cool	5-26-99	1115
2.			ž	-	
3.					
4.					
5.					
6.					

#### FIELD: Ш.

Analysis	Computer Req Code	Results	Analyst Date
рН	000400		
D.O.	000300		
Temperature	000010		
ResidualChlorine	050060		
Flow	074060		

TRANSPORTATION OF SAMPLE: IV.

Bus:

**RO Vehicle:** 

Other:

LABORATORY: V.

Received by: V. Stamps

Recorded by: T. Sawyer

Date: 5-27-99

Time: 0910

Date Sent to State Office: (c-/5-99

Remark:

JUN 1 6 199

# TARGET COMPOUND LIST SEMIVOLATILE ORGANIC COMPOUNDS IN WATER

. NO.:1439			MARKED	·	Maranath	na Faith Center (Downstream)		
YSIS OF: Water			DATE RE	CEIVED:_		5-27-99		
COMPOUNDS	MQL	μg/L	COMPOUNDS	MQL	μg/L	COMPOUNDS	MQL	μg/l
Phenol	10	ND	4-Chloro-3-methylphenol	20	ND	Hexachlorobenzene	10	ND
bis(2-Chloroethyl)ether	10	ND	2-Methylnaphthalene	10	ND_	Pentachloropohenol	50	ND
2-Chlorophenol	10	ND	Hexachlorocyclopentadiene	10	ND	Phenanthrene	10	ND
1,3-Dichlorobenzene	10	ND	2,4,6-Trichlorophenol	10	ND	Anthracene	10	ND
1,4-Dichlorobenzene	10	ND	2,4,5-Trichlorophenol	10	ND	Di-n-butylphthalate	10	ND
Benzyl alcohol	20	ND	2-Chloronaphthalene	10	ND	Fluoranthene	10	ND
1.2-Dichlorobenzene	10	ND	2-Nitroaniline	50	ND	Pyrene	10	NC
	10	ND	Dimethylphthalate	10	ND	Butylbenzylphthalate	10	NE
2-Methylphenol	10	ND	Acenaphtylene	10	ND	3,3'Dichlorobenzidine	50	NE
bis(2-Chloroisopropyl)ether	10	ND	2.6-Dinitrotoluene	10	ND	Benzo(a)anthracene	10	N
4-Methylphenol	20	ND	3-Nitroaniline	50	ND	Chrysene	10	NE
N-Nitroso-di-n-propylamine	20	ND	Acenaphthene	10	ND	bis(2-Ethylhexyl)phthalate	10	N
Hexachloroethane	10	ND	2,4-Dinitrophenol	50	ND	Di-n-octylphthalate	10	N
Nitrobenzene	10	ND	4-Nitrophenol	50	ND	Benzo(b)fluoranthene	10	N
Isophorone	20	ND	Dibenzofuran	10	ND	Benzo(k)fluoranthene	10	N
2-Nitrophenol		ND	2,4-Dinitrotoluene	10	ND	Benzo(a)pyrene	10	N
2,4-Dimethylphenol	10	ND ND	Diethylphthalate	10	ND	Indeno(1,2,3-cd)pyrene	20	N
Benzoic acid	50		4-Chlorophenyl-phenylether	10	ND	Dibenz(a,h)anthracene	20	NI
bis(2-Chloroethoxy)methane	10	ND_		10	ND	Benzo(g,h,i)perylene	20	N
2,4-Dichlorophenol	10	ND_	Fluorene 4-Nitroaniline	50	ND			
1,2,4-Trichlorobenzene	10	ND ND	4.6-Dinitro-2-methylphenol	50	ND			
Naphthalene	10	ND_		20	ND			
4-Chloroaniline	20	ND_	N-nitrosodiphenylamine	10	ND			
Hexachlorobutadiene	1 10	l ND	4-Bromophenyl-phenylether	10				_

#### SURROGATES

COMMENTS:

RECOVERY (%) LIMITS

54	21-100
61	10-194
56	35-114
58	43-116
80	10-123
80	33-141
	61 56 58 80

Date Extracted: 6 / 1 / 1999

Date Injected: 6 / / 19

ND = None Detected

MQL = Minimum Quantifiable Level

Analyst: Jon Shell

	Lower Detection Level = MQL X1 =µg/L
<u>-</u> - - -	No peaks above 40% of internal standard.  Peaks above 40% of internal standard on EPA Appendx IX were identified.*  Peaks above 40% of internal standard not on EPA Appendix IX.**  Peaks above 40% of internal standard not on EPA Appendix IX were not identified.  Additional peaks were observed, but not examined.

# BUREAU OF POLLUTION CONTROL

			S	AMPLE REQUE	ST FORM	ab Bench No	
				1	1	Center	<u> </u>
	GENERAL INFORMATION	: Facilit	y Name _	Varanat		ociaci	
	County Code <u>Low</u>	ndes			NPDES Permit N	o. ested <u>May 9</u>	7
				/: 5:	Date Requ	- Trees	
	Comple Point Identi	fication	Drain	sege Cree	Data To	Kirk She	tan
	Requested By Type of Sample: Gr			+(Flow )	(Time ) Othe	r ( )	
	Type of Sample: Gr	rab (XX) (	Composite	((FIOW )	(22 )	_	•
r	CAMPLE IDENTIFICAL	LON:			Col1	ected By	
	Environment Condit:	ion					Time
	Where Taken	Par	ameters		Preservative	5-21-99	11 the
	1. <u>E-rab</u>	Cimi :	Vel (din	instream)_	Cool	5.36.11	
	3.						
	4.						
	5.						
Τ.	FIELD:			<b>5</b>	Results	Analyst	Date
	Analysis		er Code	Request	Results		
	pH		0400)	( )			
	D.O.	•	0300)	()			
	Temperature	•	0010)	( )			
	Residual Chlorine		0060)				
	Flow		4060)	RO Vehicle	( ) Other (	<u> </u>	
V.	TRANSPORTATION OF	SAMPLE:	y XI_	- RO VEHICL	Date	5-21-99	Time 09/0)
V.	TRANSPORTATION OF LABORATORY: Recei	ved By	1810		Date Sent to S	State Office	
	Recorded By	Computer					Date
		Computer	Request	t	Resu <u>lt</u>	<u>Analyst</u>	Measured
	Analysis	(000310)	()	<del>-</del>	mg/1		
	BOD <sub>5</sub>	(000310)	()		mg/1		
	COD <sup>5</sup>	(000540)	()		mg/1		
	TOC		Ò		mg/1		
	Suspended Solids	(000625)	()		mg/1		
	Ammonia-N	(000610)	()		mg/1		<del>*</del>
	Fecal Coliform(1)		()		colonies/100 ml		*
	Fecal Coliform(2)	(074055)	()		colonies/100 ml		
	Total Phosphorus	(000665)	()		mg/1 mg/1	<del></del>	
	Oil and Grease(1)	(000550)	()		mg/1		
	Oil and Grease(2)	(000550)	()		ing/1		
	Chlorides	(099016)	( )		mg/1		
	Phenol	(032730)	( )		$\frac{mg/1}{mg/1}$		
	Total Chromium	(001034)	( )		mg/1		
	Hex. Chromium	(001032)	( )		mg/1		
	Zinc	(001092)	( )		mg/1		
	Copper	(001042)	( )		mg/1		
	Lead	(017501)	( )		mg/1		
	Cyanide	(000722)	()				
			()				
			()				
			$\dot{}$	<del></del>			
			$\sim$		7		
			$\ddot{i}$				
		<del></del>	()				_
			()				_
			()				
			()				
	Remarks						