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 Columbus, MS 39701	PO Box 268859 Oklahoma City, OK 731268859

Telecommunications

Type	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	Kerr McGee Chemical 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
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	04/12/2006
MSP090021	Tronox LLC, Columbus	Water-Pretreatment	04/13/2006	09/30/2010

Regulatory Programs

Program	SubProgram	Start Date	End Date
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 ' 38 .51 (033.510697)	88 ° 24 ' 34 .02 (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 **Method:** GPS Code (Psuedo Range) Differential **Datum:** NAD83 **Type:** MDEQ	Section: Township: Range:	SWIMS TerraServer Map It

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Kerr McGee Chemical Corporation, 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 Columbus, MS 39701	PO Box 25861 Oklahoma City, OK 73125

Telecommunications

Type	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
1696	Kerr McGee Chemical Corporation	Official Site Name	10/27/1992	
MSP090021	Kerr McGee Chemical Corporation, Columbus	Water-Pretreatment	10/11/1994	10/10/1999
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	
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	

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 **Method:** GPS Code (Psuedo Range) Differential **Datum:** NAD83 **Type:** MDEQ	Section: Township: Range:	SWIMS TerraServer Map It

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

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Work phone number	(405) 775-5129

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MSP090021	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

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Hazardous Waste	Large Quantity Generator	04/01/1997	
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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

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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 µg/L – well below the Environmental Protection Agency's (EPA) secondary maximum contaminant level (SMCL) of 300 µg/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 µg/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) 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).

Figure 1. Photograph of houses near ditch

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.[1] 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).

1 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 24th 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 24th. 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:

- 6 north, northeast of the plant (1 for pH, turbidity, and free chlorine only)
- 6 south, southeast of the plant (1 for pH, turbidity, and free chlorine only)
- 1 west of the plant (within one mile, likely outside the area of susceptibility)
- 1 east of the plant (within one mile, likely outside the area of susceptibility)
- 2 far south of the plant (both closer to the 2nd city well field)
- 1 from the Waterworks Road water treatment plant (east of the wood-treating plant)
- 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 µg/L; the city water treatment plants had levels <25 and 39 µg/L respectively. Those levels are not 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 µg/L in the raw (untreated) water and 80 µg/L in the treated water. At times, iron in the treated water delivered to the community has been as high as 250 µg/L (North plant, January 2006) and recently 180 µg/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 µg/L (Columbus Light and Water 2008a). Some of the iron levels were close to the metallic taste level of 100 µg/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).

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Exposure Investigation Section
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Agency for Toxic Substances and Disease Registry

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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

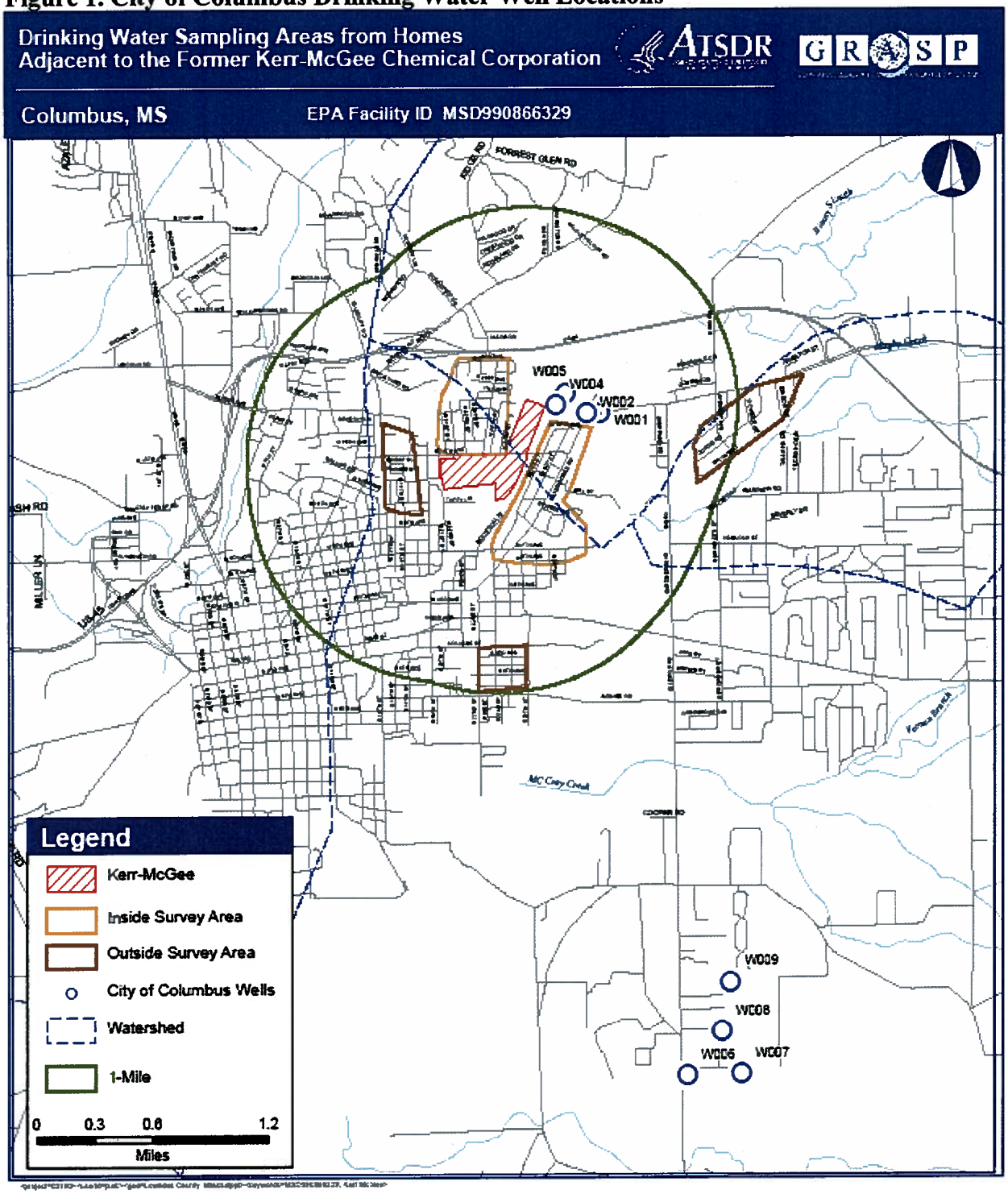
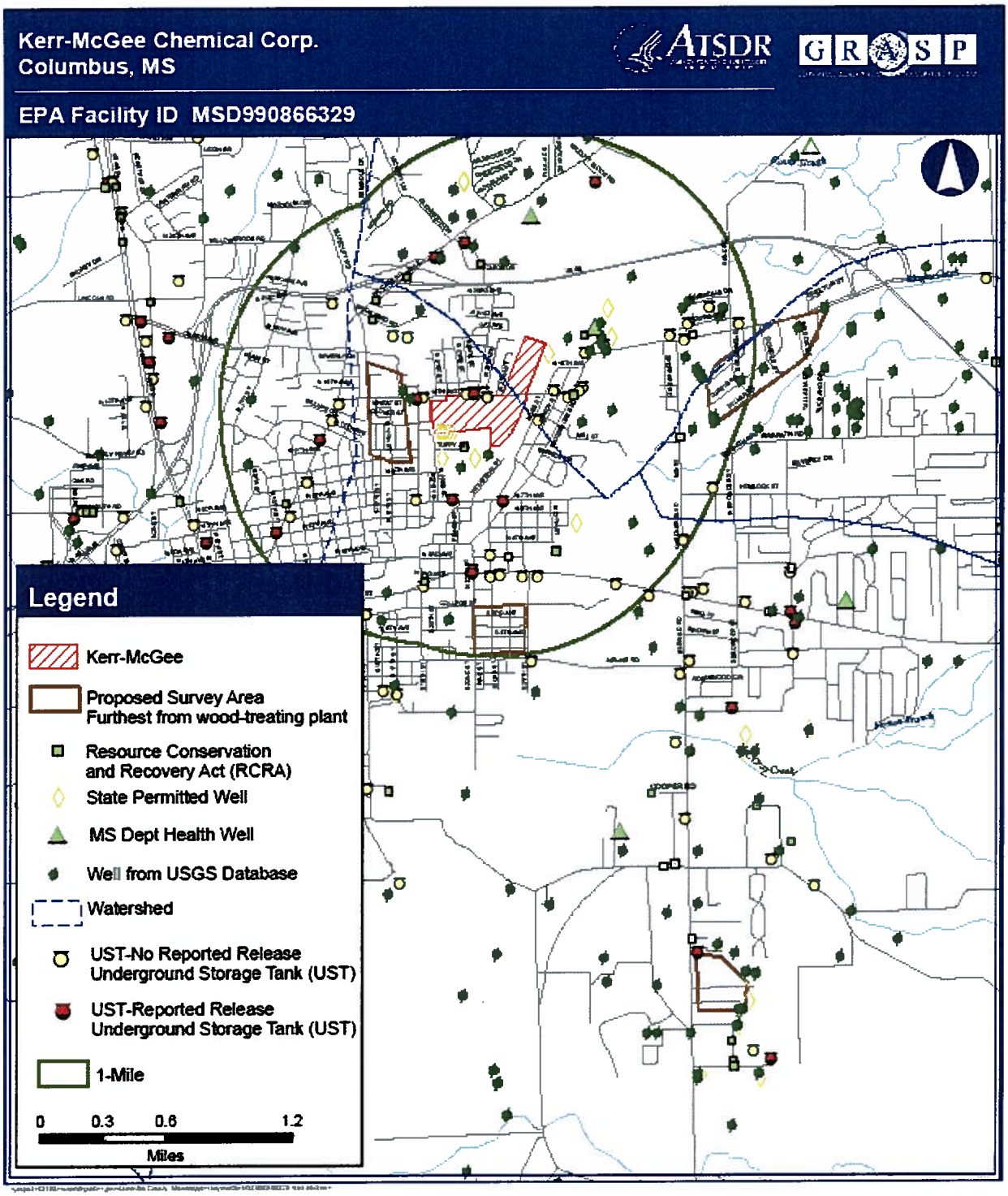


Figure 2. Underground Storage Tank Locations (USTs) near Kerr McGee, Columbus, MS



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

Table C1. 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
*Source: http://www.moh.govt.nz/moh.nsf/pagesmh/6886/$File/sampling-monitoring-small-drinking-water-supplies.pdf	

MISSISSIPPI DEPARTMENT
OF ENVIRONMENTAL QUALITY

CHAIN OF CUSTODY RECORD

POLLUTION CONTROL
LABORATORY
121 Fairmont Plaza
Pearl, Mississippi 39208

PROJECT NAME: MARANATHA FAITH CENTER

LOCATION: COLUMBUS, MS — LOWNDES CO.

SHIPPED TO:

DATA TO:

SAMPLE TYPES
1. SURFACE WATER 2. GROUND WATER 3. POTABLE WATER 4. WASTEWATER 5. LEACHATE 6. SOIL/SEDIMENT 7. SLUDGE 8. WASTE 9. AIR 10. FISH 11. OTHER

SAMPLERS (SIGN)
A.
B.
C.
D.

SITE NO.	SAMPLE TYPE	1999 DATE	TIME	COMP	GRAB	STATION LOCATION/DESCRIPTION	TOTAL CONTAINERS	COD, TOC, NUTRIENTS	BOD, SOLIDS	METALS (Total) (TCLP)	EXT. ORG/PEST/PCBs (TCLP)	PURG. AROMATICS/ HALOCARBONS	CYANIDE	FECAL COLIFORM	Oil & Grease/TPH	Phenolics	SOMI - VOL	REMARKS	LAB USE ONLY
MFC-1	6	7/1	0825		X	CREEK @ INTERSECTION OF N 7TH AV. & N	1										✓		1801
MFC-2	8	7/1	0830		X	VESSEL #1	1										✓		1802
MFC-3	6	7/1	0905		X	CULVERT UNDER WATERWORKS RD	1										✓		1803
MFC-4	6	7/1	0950		X	CULVERT @ N MARVIN ST & MOSS ST.	1										✓		1804
MFC-5	6	7/1	1020		X	CULVERT UNDER N 7TH AV. BETWEEN N MOSS ST & WATERWORKS	1										✓		1805
MFC-6	6	7/1	1050		X	CULVERT UNDER RR @ MOSS ST.	1										✓		1806
MFC-7	6	7/1	1130		X	BEHIND GRAHAM ROOFING	1										✓		1807
MFC-8	8	7/1	1140		X	BEHIND GRAHAM ROOFING	1										✓		1808
MFC-9	6	7/1	1150		X	KERR-McGEE RR SPUR	1										✓		1809
MFC-10	6	7/1	1230		X	DITCH ALONG 14TH AVE	1										✓		1810

RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)	RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)
RUSS TWITTY		7-2-99 1005							

NOTICE: Must use a separate form for each ice chest.

DISTRIBUTION: White and Yellow copies accompany sample shipment to lab; Yellow copy retained by lab; White copy is returned to samplers; Pink copy retained by samplers.

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHAIN OF CUSTODY RECORD

POLLUTION CONTROL LABORATORY
121 Fairmont Plaza
Pearl, Mississippi 39208

PROJECT NAME: Maranatha Faith Center

LOCATION: Columbus, MS – Lowndes Co.

SHIPPED TO:

DATA TO:

SAMPLE TYPES: 1. SURFACE WATER 2. GROUND WATER 3. POTABLE WATER 4. WASTEWATER 5. LEACHATE 6. SOIL/SEDIMENT 7. SLUDGE 8. WASTE 9. AIR 10. FISH 11. OTHER

SAMPLERS (SIGN): A. B. C. D.

CIRCLE/ADD parameter desired. List no. of containers submitted.

SITE NO.	SAMPLE TYPE	DATE (1999)	TIME	COMP	GRAB	STATION LOCATION/DESCRIPTION	TOTAL CONTAINERS	COD, TOC, NUTRIENTS	BOD, SOLIDS	METALS (Total) (TCLP)	EXT. ORG/PEST/PCBs (TCLP)	PURG. AROMATICS/ HALOCARBONS	CYANIDE	FECAL COLIFORM	Oil & Grease/TPH	Phenolics	Semi-Vol	REMARKS	LAB USE ONLY
MFC-1	6	7/1	0825		X	Creek @ intersection of N 7th Ave & N [illegible]	1										✓		1801
MFC-2	8	7/1	0830		X	Vessel #1	1										✓		1802
MFC-3	6	7/1	0905		X	Culvert under Waterworks Rd	1										✓		1803
MFC-4	6	7/1	0950		X	Culvert @ N Marvin St & Muss St.	1										✓		1804
MFC-5	6	7/1	1020		X	Culvert under N 7 Av. - between N Muss & Waterworks	1										✓		1805
MFC-6	6	7/1	1050		X	Culvert under RR @ Muss St	1										✓		1806
MFC-7	6	7/1	1130		X	Behind Graham Roofing	1										✓		1807
MFC-8	8	7/1	1140		X	Behind Graham Roofing	1										✓		1808
MFC-9	6	7/1	1150		X	Kerr-McGee RR Spur	1										✓		1809
MFC-10	6	7/1	1230		X	Ditch along 14th Ave	1										✓		1810

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
(PRINT) Russ Twitty (SIGN)	7-2-96 1005	(PRINT) David Sinclair (SIGN)	(PRINT) (SIGN)		(PRINT) (SIGN)
RELINQUISHED BY: (PRINT) (SIGN)	DATE/TIME	RECEIVED BY: (PRINT) (SIGN)	RELINQUISHED BY: (PRINT) (SIGN)	DATE/TIME	RECEIVED BY: (PRINT) (SIGN)

NOTICE: Must use a separate form for each ice chest.

DISTRIBUTION: White and Yellow copies accompany sample shipment to lab; Yellow copy retained by lab; White copy is returned to samplers; Pink copy retained by samplers.

PAGE ____ OF ____

3/91

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name MARANATHA FAITH CENTER
County Code LOWNDES NPDES Permit No. _____
Discharge No. _____ Date Requested 7/2/99
Sample Point Identification MFC-1
Requested By R. T., H. Data To K. SHELTON/~~B. FERGUSON~~
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition PC ; HOT Collected By W. STOVER/B. FERGUS.
Where Taken CULVERT AT INTERSECTION OF N 7 AVE. & N 26 ST.

	Type	Parameters	Preservative	Date	Time
1.	~~Grab~~ SEDIMENT	SEMI-VOL	ICE	7/1/99	0825
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: ~~Bus ( )~~ RO Vehicle ( ) Other ( )
V. LABORATORY: Received By _____ Date 7-2-99 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1801

BUREAU OF POLLUTION CO\. .OL
SAMPLE REQUEST FORM

Lab Bench No.: 1802
Cost Code:

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center
County Code: Lowndes — **NPDES Permit No.:**
Discharge No: — **Date Requested:** 7-2-99
Sample Point Identification: MFC-1
Requested By: — **Data To:** K. Shelton
Type of Sample: Grab: (X) **Composite:** **Flow:** **Time:** **Other:**

II. SAMPLE IDENTIFICATION:

Environment Condition: PC & Hot — **Collected By:** KP
Where Taken: Culvert at intersection of N 7th Ave. and N 26th Street

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

III. FIELD:

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

IV. TRANSPORTATION OF SAMPLE:

Bus: **RO Vehicle:** **Other:**

V. LABORATORY:

Received by: David Singleton — **Date:** 7-2-99 **Time:** 1005
Recorded by: T. Sawyer — **Date Sent to State Office:** 8-17-99
R- 8-25-99

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOUNDS
IN SOILS/SOLIDS

OPCL NO.: 1802 MARKED: Maranatha Faith Center MFC-1
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	Pentachlorophenol	660	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-Dichlorobenzene	330	ND	2,4,5-Trichlorophenol	1600	ND	Di-n-butylphthalate	330	ND
Benzyl alcohol	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	95,100
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	113,000
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	38,700
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	31,900
Hexachloroethane	330	ND	Acenaphthene	330	28,500	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	24,800
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 acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	6780
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,i)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 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.*
___ 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. _____

I. GENERAL INFORMATION: Facility Name MARANATHA FAITH CENTER
County Code LOWNDES NPDES Permit No. _____
Discharge No. _____ Date Requested 7/2/99
Sample Point Identification MFC-1
Requested By B. T. H. Data To K. SHELTON ~~[illegible]~~
Type of Sample: Grab ☒ Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition PC : HOT Collected By W. STOVER / B. FERGUS.
Where Taken CULVERT AT INTERSECTION OF N 7 AVE. & N 26 ST.

	Type	Parameters	Preservative	Date	Time
1.	~~Effluent~~ SEDIMENT	SEMI-VOL	ICE	7/1/99	0825
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
Date 7-2-99 Time 1005

V. LABORATORY: Received By _____
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____

Remarks _____

*Date of Test Initiation

1801

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
County Code Lowndes NPDES Permit No. _____
Discharge No. _____ Date Requested 7/2/99
Sample Point Identification MFC2
Requested By _____ Data To Kirk Shelton
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition PC, hot Collected By KP
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Waste	Semi-VOA	ICE	7/1/99	08:25
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: ~~Bus~~ ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By _____ Date 7-2-99 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1802

BUREAU OF POLLUTION CO..ROL
SAMPLE REQUEST FORM

Lab Bench No.: 1801
Cost Code:

I. GENERAL INFORMATION:
Facility Name: Maranatha Faith Center
County Code: Lowndes **NPDES Permit No.:**
Discharge No: **Date Requested: 7-2-99**
Sample Point Identification: MFC-2
Requested By: R. Twitty **Data To: K. Shelton**
Type of Sample: Grab: (X) Composite: Flow: Time: Other:

II. SAMPLE IDENTIFICATION:
Environment Condition: PC & Hot **Collected By: W. Stover**
Where Taken: **B. Ferguson**

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

III. FIELD:

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

IV. TRANSPORTATION OF SAMPLE:
Bus: **RO Vehicle:** **Other:**

V. LABORATORY:
Received by: David Singleton **Date: 7-2-99** **Time: 1005**
Recorded by: T. Sawyer **Date Sent to State Office:** 8-17-99
& 8-25-99

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOUNDS
IN SOILS/SOLIDS

OPCL NO.: 1801 MARKED: Maranatha Faith Center MFC-2

ANALYSIS OF: Waste 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	Pentachlorophenol	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	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			
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
p-Terphenyl-d14	.	18-137

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

Lower Detection Level = MQL X 850 = 280,500 µg/L

___ No peaks above 40% of internal standard.
___ Peaks above 40% of internal standard on EPA Appendix 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. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
County Code Lowndes — NPDES Permit No. _____
Discharge No. _____ — Date Requested 7/2/99
Sample Point Identification MFC2
Requested By _____ — Data To Kirk Shelton
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition PC, hot — Collected By KP
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Waste	Semi-VOA	ICE	7/1/99	08:25
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: ~~Bus~~ ( ) RO Vehicle (X) Other ( ) _____
V. LABORATORY: Received By _____ — Date 7-7-99 — Time 1005
Recorded By _____ — Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1802

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name MARANATHA FAITH CENTER
NPDES Permit No. _____
County Code LOWNDES
Date Requested 7/2/99
Discharge No. _____
Sample Point Identification MFC-3
Data To KIRK SHELTON
Requested By R. Tw. th
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition PC ; Hot
Collected By W. Stover/B. Ferguson
Where Taken CULVERT UNDER WATERWORKS RD

	Type	Parameters	Preservative	Date	Time
1.	SEDIMENT	SEMI-VOL	ICE	7/1/99	0905
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: ~~Bus~~ ( ) RO Vehicle ( ) Other ( ) _____
Date 7-2-99 Time 1005

V. LABORATORY: Received By _____
Recorded By _____
Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1803

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.:**
Discharge No: **Date Requested: 7-2-99**
Sample Point Identification: MFC-3
Requested By: R. Twitty **Data To: K. Shelton**
Type of Sample: Grab: (X) Composite: Flow: Time: Other:

II. SAMPLE IDENTIFICATION:
Environment Condition: PC & Hot **Collected By: W.Stover/B.Ferguson**
Where Taken: Culvert under Water works

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

III. FIELD:

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

IV. TRANSPORTATION OF SAMPLE:
Bus: **RO Vehicle:** **Other:**

V. LABORATORY:
Received by: David Singleton **Date: 7-2-99** **Time: 1005**
Recorded by: T. Sawyer **Date Sent to State Office:** 8-17-99

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOUNDS
IN SOILS/SOLIDS

OPCL NO.: 1803 MARKED: Maranatha Faith Center MFC-3
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	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
Benzyl alcohol	330	ND	2-Chloronaphthalene	330	ND	Fluoranthene	330	10,000
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	7500
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	3480
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	3700
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	ND
2-Nitrophenol	330	ND	Dibenzofuran	330	Trace	Benzo(k)fluoranthene	330	4140
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	Trace	Benzo(g,h,i)perylene	330	Trace
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND			
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	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.*
___ 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. _____

I. GENERAL INFORMATION: Facility Name MARANATHA FAITH CENTER
County Code LOWNDES — NPDES Permit No. _____
Discharge No. _____ — Date Requested 7/2/99
Sample Point Identification MFC-3 — Data To KIRK SHELTON
Requested By R. Tew — Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition PC ; HOT — Collected By W Stover/B. Ferguson
Where Taken CULVERT UNDER WATERWORKS RD

	Type	Parameters	Preservative	Date	Time
1.	SEDIMENT	SEMI-VOL	ICE	7/1/99	0905
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: ~~Bus~~ ( ) RO Vehicle ( ) Other ( ) _____
Date 7-2-99 Time 1005

V. LABORATORY: Received By _____ Date Sent to State Office _____
Recorded By _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____

Remarks _____

*Date of Test Initiation

1803

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
County Code Lowndes NPDES Permit No. _____
Discharge No. _____ Date Requested 7/2/99
Sample Point Identification MFC4
Requested By _____ Data To Kirk Shelton
Type of Sample: Grab ☒ Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition PC, hot Collected By BF/WS
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Sediment	Semi-Vols	ICE	7/1/99	09:50
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: ~~Bus~~ ( ) RO Vehicle ( ) Other ( ) _____
V. LABORATORY: Received By _____ Date 7-2-99 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1804

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 1804
Cost Code:

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center
County Code: Lowndes
NPDES Permit No.:
Discharge No:
Date Requested: 7-2-99
Sample Point Identification: MFC-4
Requested By:
Data To: K. Shelton
Type of Sample: Grab: (X) Composite: Flow: Time: Other:

II. SAMPLE IDENTIFICATION:

Environment Condition: PC & Hot
Collected By: BF/WS
Where Taken:

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

III. FIELD:

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

IV. TRANSPORTATION OF SAMPLE:

Bus: **RO Vehicle:** **Other:**

V. LABORATORY:

Received by: David Singleton **Date:** 7-2-99 **Time:** 1005
Recorded by: T. Sawyer **Date Sent to State Office:** 8-17-99

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOUNDS
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/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	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			
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 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.*
___ 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. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
County Code Lowndes NPDES Permit No. _____
Discharge No. _____ Date Requested 7/2/99
Sample Point Identification MFC4
Requested By _____ Data To Kirk Shelton
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition PC, hot Collected By BF/WS
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Sediment	Semi-Vols	ICE	7/1/99	09:50
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle (X) Other ( )
V. LABORATORY: Received By _____ Date 7-2-99 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured*
BOD_5	(000310)	( )	mg/l		
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1804

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name MARANATHA FAITH CENTER
NPDES Permit No. _____
County Code LOWNDES
Date Requested 7/2/99
Discharge No. _____
Sample Point Identification MFC-5
Data To KIRK SHELTON
Requested By R. TW, Jr.
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Collected By B. FERGUSON
Environment Condition PC ; HOT
Where Taken CULVERT UNDER N 7 AVE. BETWEEN N MOSS ST. & WATERWORKS RD.

	Type	Parameters	Preservative	Date	Time
1.	SEDIMENT	SEMI-VOA	ICE	7/1/99	1020
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: ~~Bus~~ ( ) RO Vehicle ( ) Other ( ) _____
Date 7-2-99 Time 1005

V. LABORATORY: Received By _____
Recorded By _____
Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____

Remarks _____

*Date of Test Initiation

1805

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 1805
Cost Code:

I. GENERAL INFORMATION:
Facility Name: Maranatha Faith Center
County Code: Lowndes
Discharge No:
Sample Point Identification: MFC-5
Requested By: R. Twitty
Type of Sample: Grab: (X) Composite: Flow: Time: Other:

NPDES Permit No.:
Date Requested: 7-2-99
Data To: K. Shelton

II. SAMPLE IDENTIFICATION:
Environment Condition: PC & Hot
Where Taken: Culvert under N 7 Ave. Between N Moss St. & Waterwork Rd.

Collected By: B. Ferguson

	Type	Parameters	Preservative	Date	Time
1.	Sediment	Semi-VOA	Ice	7-1-99	1020
2.					
3.					
4.					
5.					
6.					

III. FIELD:

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

IV. TRANSPORTATION OF SAMPLE:
Bus: RO Vehicle: Other:

V. LABORATORY:
Received by: David Singleton Date: 7-2-99 Time: 1005
Recorded by: T. Sawyer Date Sent to State Office: 8-17-99

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOUNDS
IN SOILS/SOLIDS

OPCL NO.: 1805 MARKED: Maranatha Faith Center MFC-5
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	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			
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			

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

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name MARANATHA FAITH CENTER
NPDES Permit No. _____
County Code Lowndes
Date Requested 7/2/99
Discharge No. _____
Sample Point Identification MFC-5
Data To Kirk Shelton
Requested By R. Tew
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Collected By R Ferguson
Environment Condition PC, Hot
Where Taken Culvert under N 7 Ave. Between N Mass St. & Waterworks Rd

	Type	Parameters	Preservative	Date	Time
1.	Sediment	Semi-Voa	Ice	7/1/99	1020
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus (-) RO Vehicle ( ) Other ( )
Date 7-2-99 Time 1145

V. LABORATORY: Received By _____
Recorded By _____
Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____

Remarks _____

*Date of Test Initiation

1 of 5

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
County Code Lowndes NPDES Permit No. _____
Discharge No. _____ Date Requested 7/2/99
Sample Point Identification MFC 6
Requested By _____ Data To Kirk Shelton
Type of Sample: Grab ☒ Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition PC, hot Collected By BF
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Sediment	Semi-VOA	ICE	7/1/99	10:50
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By _____ Date 7-2-99 Time 1001
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1806

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 1806
Cost Code:

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center
County Code: Lowndes
Discharge No:
Sample Point Identification: MFC-6
Requested By:
Type of Sample: Grab: (X) Composite: Flow: Time: Other:

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

Data To: K. Shelton

II. SAMPLE IDENTIFICATION:

Environment Condition: PC & Hot
Where Taken:

Collected By: B. Ferguson

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

III. FIELD:

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

IV. TRANSPORTATION OF SAMPLE:

Bus: **RO Vehicle:** **Other:**

V. LABORATORY:

Received by: David Singleton **Date:** 7-2-99 **Time:** 1005
Recorded by: T. Sawyer **Date Sent to State Office:** 8-17-99

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOU
IN SOILS/SOLIDS

OPCL NO.: 1806 MARKED: Maranatha Faith Center MFC-6
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	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	Pyrene	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		Trace
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			

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 Detection 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.

COMMENTS:

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
County Code Lowndes NPDES Permit No. _____
Discharge No. _____ Date Requested 7/2/99
Sample Point Identification MFC6 Data To Kirk Shelton
Requested By _____
Type of Sample: Grab ☒ Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition PC, hot Collected By BF
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Sediment	Semi-VCA	ICE	7/1/99	10:50
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____
V. LABORATORY: Received By _____ Date 7.2.99 Time _____
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____

Remarks _____

*Date of Test Initiation

1806

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name MARANATHA FAITH CENTER
County Code LOWNDES NPDES Permit No. _____
Discharge No. _____ Date Requested 7/2/99
Sample Point Identification MFC-7
Requested By R. TW. H Data To KIRK SHELTON
Type of Sample: Grab X Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition ~~CREEK BOTT~~ PC, HOT Collected By W. SNOVER/B. FERGUSON
Where Taken CREEK BEHIND GRAHAM ROOFING

	Type	Parameters	Preservative	Date	Time
1.	~~Water~~ SEDIMENT	SEMI-VOL	ICE	7/1/99	1130
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: ~~Bus~~ ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By _____ Date 7-2-99 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1807

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 1807
Cost Code:

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center
County Code: Lowndes
Discharge No:
Sample Point Identification: MFC-7
Requested By: R. Twitty
Type of Sample: Grab: (X) Composite: Flow: Time: Other:

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

Data To: K. Shelton

II. SAMPLE IDENTIFICATION:

Environment Condition: PC & Hot
Where Taken: Creek behind Graham Roofing

Collected By: B. Ferguson,WS

	Type	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
pH	000400				
D.O.	000300				
Temperature	000010				
ResidualChlorine	050060				
Flow	074060				

IV. TRANSPORTATION OF SAMPLE:

Bus: **RO Vehicle:** **Other:**

V. LABORATORY:

Received by: David Singleton **Date:** 7-2-99 **Time:** 1005
Recorded by: T. Sawyer **Date Sent to State Office:** 8-17-99

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOUNDS
IN SOILS/SOLIDS

OPCL NO.: 1807 MARKED: Maranatha Faith Center MFC-7
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	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	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-phenylether	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			
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND			
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND			

SURROGATES	RECOVERY (%)	LIMITS
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

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.*
___ 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. ______

I. GENERAL INFORMATION: Facility Name MARANATHA FAITH CENTER
NPDES Permit No. ______
County Code LOWNDES
Date Requested 7/2/99
Discharge No. ______
Sample Point Identification MFC-7
Data To KIRK SHELTON
Requested By R. Twitty
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) ______

II. SAMPLE IDENTIFICATION:
Environment Condition ~~[illegible]~~ PC, Hot
Collected By W. Stover/B. Ferguson
Where Taken CREEK BEHIND GRAHAM ROOFING

	Type	Parameters	Preservative	Date	Time
1.	~~[illegible]~~ Sediment	Semi-Vol	Ice	7/1/99	1130
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) ______
Date 7-2-99 Time 1335

V. LABORATORY: Received By ______
Date Sent to State Office ______
Recorded By ______

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/1		*
COD	(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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks ______

*Date of Test Initiation

1807

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
County Code Lowndes NPDES Permit No. _____
Discharge No. _____ Date Requested 7/2/99
Sample Point Identification MFC8
Requested By _____ Data To Kirk Shelton
Type of Sample: Grab ☒ Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition PC, hot Collected By ~~RP~~ BF/WS
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	~~Sediment~~ Waste	Semi-VOA	ICE	7/1/99	11:40
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____

V. LABORATORY: Received By [signature] Date 7-2-99 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD^5	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1808

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 1808
Cost Code:

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center
County Code: Lowndes
Discharge No:
Sample Point Identification: MFC-8
Requested By:
Type of Sample: Grab: (X) Composite: Flow: Time: Other:

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

Data To: K. Shelton

II. SAMPLE IDENTIFICATION:

Environment Condition: PC & Hot
Where Taken:

Collected By: B F,WS

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

III. FIELD:

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

IV. TRANSPORTATION OF SAMPLE:

Bus: **RO Vehicle:** **Other:**

V. LABORATORY:

Received by: David Singleton **Date:** 7-2-99 **Time:** 1005
Recorded by: T. Sawyer **Date Sent to State Office:** 8-17-99

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOU ;
IN SOILS/SOLIDS

OPCL NO.: 1808 MARKED: Maranatha Faith Center MFC-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	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	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			
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 Detection 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 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. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
County Code Lowndes — NPDES Permit No. _____
Discharge No. _____ — Date Requested 7/2/99
Sample Point Identification MFC.8
Requested By _____ — Data To Kirk Shelton
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition P.C., hot — Collected By ~~RR~~ KS BF/WS
Where Taken _____

	Type Waste	Parameters	Preservative	Date	Time
1.	~~Sediment~~ KS	Semi-VOA	ICE	7/1/99	11:40
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____

V. LABORATORY: Received By _____ Date 7.6.99 Time 1015
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

18.08

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
County Code Lowndes NPDES Permit No. _____
Discharge No. _____ Date Requested 7/2/99
Sample Point Identification MFC 10
Requested By _____ Data To Kirk Shelton
Type of Sample: Grab ☒ Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition PC, Hot Collected By WS/KP
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Sediment	Semi-VOA	ICE	7/1/99	12:30
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: ~~Bus~~ ( ) RO Vehicle ( ) Other ( ) _____

V. LABORATORY: Received By _____ Date 7-2-99 Time 1005
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

18/0

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 1810
Cost Code:

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center
County Code: Lowndes
Discharge No:
Sample Point Identification: MFC-10
Requested By:
Type of Sample: Grab: (X) Composite: Flow: Time: Other:

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

Data To: K. Shelton

II. SAMPLE IDENTIFICATION:

Environment Condition: PC & Hot
Where Taken:

Collected By: WS/KP

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

III. FIELD:

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

IV. TRANSPORTATION OF SAMPLE:

Bus: **RO Vehicle:** **Other:**

V. LABORATORY:

Received by: David Singleton **Date:** 7-2-99 **Time:** 1005
Recorded by: T. Sawyer **Date Sent to State Office:** 8-17-99

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOI 3
IN SOILS/SOLIDS

OPCL NO.: 1810 MARKED: Maranatha Faith Center MFC-10
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	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	*Dibenzofuran	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			
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 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: *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. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
County Code Lowndes NPDES Permit No. _____
Discharge No. _____ Date Requested 7/2/99
Sample Point Identification MFC 10
Requested By _____ Data To Kirk Shelton
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition PC, Hot Collected By WS/KP
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Sediment	Semi-VOA	ICE	7/1/99	12:30
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By _____ Date _____ Time _____
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1 of 3

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name MARANATHA FAITH CENTER
County Code LOWNDES — NPDES Permit No. _____
Discharge No. _____ — Date Requested 7/2/99
Sample Point Identification MFC-9
Requested By R. TWH — Data To KIRK SHELTON
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition PC ; HOT — Collected By W. Stover / K. Posey
Where Taken CREEK ON EAST SIDE @ K-M; SOUTH @ A Ave

	Type	Parameters	Preservative	Date	Time
1.	SEDIMENT	SEMI-VOL	ICE	7/1/99	1150
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By _____ — Date 7-2-99 — Time 1005
Recorded By _____ — Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1809

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

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: Time: Other:

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

Data To: K. Shelton

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.

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

III. FIELD:

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

IV. TRANSPORTATION OF SAMPLE:

Bus: **RO Vehicle:** **Other:**

V. LABORATORY:

Received by: David Singleton **Date:** 7-2-99 **Time:** 1005
Recorded by: T. Sawyer **Date Sent to State Office:** 8-17-99

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOUNDS
IN SOILS/SOLIDS

OPCL NO.: 1809 MARKED: Maranatha Faith Center MFC-9
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	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			
Hexachlorobutadiene	330	ND	4-Bromophenyl-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 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.*
___ 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.

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name MARANATHA FAITH CENTER
County Code LOWNDES — NPDES Permit No. _____
Discharge No. _____ — Date Requested 7/2/99
Sample Point Identification MFC-9
Requested By R. TWITTY — Data To KIRK SHELTON
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition PC HOT — Collected By W. STOVER / K. POSEY
Where Taken CREEK ON EAST SIDE 2 K.M. SOUTH OF A AVE.

	Type	Parameters	Preservative	Date	Time
1.	SEDIMENT	SEMI-VOA	ICE	7/1/99	1150
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By _____ — Date 7-2-99 — Time 1115
Recorded By _____ — Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1809

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 1461
Cost Code:

I. GENERAL INFORMATION:
Facility Name: Maranatha Church - Columbus
County Code: Lowndes
Discharge No:
Sample Point Identification: M-1
Requested By: Richard Harrell
Type of Sample: Grab: Composite: Flow: Time:

NPDES Permit No.:
Date Requested:

Data To: Richard Harrell
Other: (X) Composite Soil

II. SAMPLE IDENTIFICATION:
Environment Condition: Sunny 80's
Where Taken: Roll off at Kerr-McGee Facility

Collected By: RWH

Type	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 Code	Req	Results	Analyst	Date
pH	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: 5-28-99
Date Sent to State Office: 6-21-99

Time: 1000

Remark:

TARGET COMPOUND LIST

SEMIVOLATILE ORGANIC COMPOU[illegible]
IN SOILS/SOLIDS

OPCL NO.: 1461 MARKED: Marantha Church KM-1

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
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	5,260
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	7,160
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	36,000
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	40,800
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	40,500
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	4,230
Hexachloroethane	330	ND	Acenaphthene	330	TRACE	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	22,100
2-Nitrophenol	330	ND	Dibenzofuran	330	ND	Benzo(k)fluoranthene	330	9,220
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	12,800
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	5,800
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	3,510
2,4-Dichlorophenol	330	ND	Fluorene	330	TRACE	Benzo(g,h,i)perylene	330	4,880
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			
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND			

SURROGATES	RECOVERY (%)	LIMITS
2-Fluorophenol	86	25 - 121
Phenol-d5	73	24 - 113
Nitrobenzene-d5	84	23 - 120
2-Fluorobiphenyl	101	30 - 115
2,4,6-Tribromophenol	88	19 - 122
p-Terphenyl-d14	101	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

___ 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: _____

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	**5/27/99**
Operator	**JS & DS**
Charge Code	**3700**

Name	Amount	Units	MQL	Name	Amount	Units	MQL
Dichlorodifluoromethane	NOT DETECTED		200 ppb	1,1,1,2-Tetrachloroethane	NOT DETECTED		200 ppb
Chloromethane	NOT DETECTED		200 ppb	Ethylbenzene	NOT DETECTED		200 ppb
Vinyl Chloride	NOT DETECTED		200 ppb	m & p -Xylene	NOT DETECTED		200 ppb
Bromomethane	NOT DETECTED		200 ppb	Styrene	NOT DETECTED		200 ppb
Chloroethane	NOT DETECTED		200 ppb	o - Xylene	NOT DETECTED		200 ppb
Trichlorofluoromethane	NOT DETECTED		200 ppb	Bromoform	NOT DETECTED		200 ppb
Acetone	NOT DETECTED		200 ppb	1,1,2,2-Tetrachloroethane	NOT DETECTED		200 ppb
1,1-Dichloroethene	NOT DETECTED		200 ppb	Isopropylbenzene	NOT DETECTED		200 ppb
Methylene Chloride	NOT DETECTED		200 ppb	1,2,3-Trichloropropane	NOT DETECTED		200 ppb
trans-1,2-Dichloroethene	NOT DETECTED		200 ppb	Bromobenzene	NOT DETECTED		200 ppb
1,1-Dichloroethane	NOT DETECTED		200 ppb	n-Propylbenzene	NOT DETECTED		200 ppb
2-Butanone (MEK)	NOT DETECTED		200 ppb	2-Chlorotoluene	NOT DETECTED		200 ppb
cis-1,2-Dichloroethene	NOT DETECTED		200 ppb	4-Chlorotoluene	NOT DETECTED		200 ppb
2,2-Dichloropropane	NOT DETECTED		200 ppb	1,3,5-Trimethylbenzene	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-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-Isopropyltoluene	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-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	NOT DETECTED		200 ppb
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				
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				
Chlorobenzene	NOT DETECTED		200 ppb				

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

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Maranatha Church-Columbus
County Code Lowndes — NPDES Permit No. _____
Discharge No. _____ — Date Requested _____
Sample Point Identification M-1
Requested By RWH — Data To Richard Harrell
Type of Sample: Grab ( ) Composite (Flow) (Time) Other (x) Composite Sc. 1

II. SAMPLE IDENTIFICATION:
Environment Condition Sunny 80's — Collected By _____
Where Taken Roll off at Kent-McGee Facility

	Type	Parameters	Preservative	Date	Time
1.	Totals	VOCs	Ice	5/27/99	
2.		Sem. VOCs	Ice	5/27/99	
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By _____ — Date 5-28-99 — Time 1000
Recorded By _____ — Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1461

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 1460
Cost Code:

I. GENERAL INFORMATION:
Facility Name: Maranatha Church - Columbus
County Code: Lowndes **NPDES Permit No.:**
Discharge No: **Date Requested:**
Sample Point Identification: M-2
Requested By: Richard Harrell **Data To: Richard Harrell**
Type of Sample: Grab: (X) Composite: Flow: **Time: Other:**

II. SAMPLE IDENTIFICATION:
Environment Condition: Sunny 80's **Collected By:**
Where Taken: Removed Culvert

Type	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 Code	Req	Results	Analyst	Date
pH	000400				
D.O.	000300				
Temperature	000010				
ResidualChlorine	050060				
Flow	074060				

IV. TRANSPORTATION OF SAMPLE:
Bus: **RO Vehicle:** **Other:**

V. LABORATORY:
Received by: David Singleton **Date: 5-28-99** **Time: 1000**
Recorded by: T. Sawyer **Date Sent to State Office:** 6-2-99

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOUNDS
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/Kg
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-Chloronaphthalene	330	ND	Fluoranthene	330	38,400
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	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
2-Fluorophenol	82	25 - 121
Phenol-d5	69	24 - 113
Nitrobenzene-d5	92	23 - 120
2-Fluorobiphenyl	103	30 - 115
2,4,6-Tribromophenol	61	19 - 122
p-Terphenyl-d14	108	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 25 = 8,250 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: _____

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	Units	MQL	Name	Amount	Units	MQL
Dichlorodifluoromethane	NOT DETECTED		200 ppb	1,1,1,2-Tetrachloroethane	NOT DETECTED		200 ppb
Chloromethane	NOT DETECTED		200 ppb	Ethylbenzene	NOT DETECTED		200 ppb
Vinyl Chloride	NOT DETECTED		200 ppb	m & p -Xylene	1730.00	ppb	200 ppb
Bromomethane	NOT DETECTED		200 ppb	Styrene	NOT DETECTED		200 ppb
Chloroethane	NOT DETECTED		200 ppb	o - Xylene	NOT DETECTED		200 ppb
Trichlorofluoromethane	NOT DETECTED		200 ppb	Bromoform	NOT DETECTED		200 ppb
Acetone	NOT DETECTED		200 ppb	1,1,2,2-Tetrachloroethane	NOT DETECTED		200 ppb
1,1-Dichloroethene	NOT DETECTED		200 ppb	Isopropylbenzene	738.00	ppb	200 ppb
Methylene Chloride	NOT DETECTED		200 ppb	1,2,3-Trichloropropane	NOT DETECTED		200 ppb
trans-1,2-Dichloroethene	NOT DETECTED		200 ppb	Bromobenzene	NOT DETECTED		200 ppb
1,1-Dichloroethane	NOT DETECTED		200 ppb	n-Propylbenzene	2810.00	ppb	200 ppb
2-Butanone (MEK)	NOT DETECTED		200 ppb	2-Chlorotoluene	NOT DETECTED		200 ppb
cis-1,2-Dichloroethene	NOT DETECTED		200 ppb	4-Chlorotoluene	NOT DETECTED		200 ppb
2,2-Dichloropropane	NOT DETECTED		200 ppb	1,3,5-Trimethylbenzene	4140.00	ppb	200 ppb
Chloroform	NOT DETECTED		200 ppb	tert-Butylbenzene	NOT DETECTED		200 ppb
Bromochloromethane	NOT DETECTED		200 ppb	1,2,4-Trimethylbenzene	14,500	ppb	200 ppb
1,1,1-Trichloroethane	NOT DETECTED		200 ppb	sec-Butylbenzene	1510.00	ppb	200 ppb
1,2-Dichloroethane	NOT DETECTED		200 ppb	1,3-Dichlorobenzene	NOT DETECTED		200 ppb
1,1-Dichloropropene	NOT DETECTED		200 ppb	4-Isopropyltoluene	2680.00	ppb	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-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	7900.00	ppb	200 ppb
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				
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				
Chlorobenzene	NOT DETECTED		200 ppb				

Surrogates	% Recovery	Limits
Dibromofluoromethane	103	(84-119)
1,2-Dichloroethane-d4	104	(86-118)
Toluene-d8	104	(94-105)
p-Bromofluorobenzene	94	(94-106)

Comments:

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

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Maranatha Church - ~~Columbus~~ Columbus
County Code Lowndes — NPDES Permit No. _____
Discharge No. _____ — Date Requested _____
Sample Point Identification M-2
Requested By RWH — Data To Richard Hewett
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition Sunny 80's — Collected By _____
Where Taken Removed Culvert

	Type	Parameters	Preservative	Date	Time
1.	Tudale	VOCs	ICE	5/27/99	
2.		Semi VOCs	ICE	5/27/99	
3.					
4.					
5.					

II. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____
Date 5-28-99 Time 1000

V. LABORATORY: Received By _____
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1460

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 1462
Cost Code:

I. GENERAL INFORMATION:
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: Time: Other:

NPDES Permit No.:
Date Requested:

Data To: Richard Harrell

II. SAMPLE IDENTIFICATION:
Environment Condition: Sunny 80's
Where Taken: Culvert

Collected By: RWH

Type	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 Code	Req	Results	Analyst	Date
pH	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: 5-28-99
Date Sent to State Office: 6-2-99

Time: 1000

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOUNDS
IN SOILS/SOLIDS

OPCL NO.: 1462 MARKED: Marantha Church M-3

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	575,000	Pentachloropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	5,390,000
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-Chloronaphthalene	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			
4-Chloroaniline	330	ND	N-nitrosodiphenylamine	330	ND			
Hexachlorobutadiene	330	ND	4-Bromophenyl-phenylether	330	ND			

SURROGATES	RECOVERY (%)	LIMITS
2-Fluorophenol	68	25 - 121
Phenol-d5	42	24 - 113
Nitrobenzene-d5	58	23 - 120
2-Fluorobiphenyl	104	30 - 115
2,4,6-Tribromophenol	*4	19 - 122
p-Terphenyl-d14	114	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 100 = 33,000 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 peaks were observed, but not examined.

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**

Name	Amount	Units	MQL	Name	Amount	Units	MQL
Dichlorodifluoromethane	NOT DETECTED		200 ppb	1,1,1,2-Tetrachloroethane	NOT DETECTED		200 ppb
Chloromethane	NOT DETECTED		200 ppb	Ethylbenzene	NOT DETECTED		200 ppb
Vinyl Chlonde	NOT DETECTED		200 ppb	m & p -Xylene	NOT DETECTED		200 ppb
Bromomethane	NOT DETECTED		200 ppb	Styrene	NOT DETECTED		200 ppb
Chloroethane	NOT DETECTED		200 ppb	o - Xylene	NOT DETECTED		200 ppb
Trichlorofluoromethane	NOT DETECTED		200 ppb	Bromoform	NOT DETECTED		200 ppb
Acetone	NOT DETECTED		200 ppb	1,1,2,2-Tetrachloroethane	NOT DETECTED		200 ppb
1,1-Dichloroethene	NOT DETECTED		200 ppb	Isopropylbenzene	NOT DETECTED		200 ppb
Methylene Chloride	NOT DETECTED		200 ppb	1,2,3-Trichloropropane	NOT DETECTED		200 ppb
trans-1,2-Dichloroethene	NOT DETECTED		200 ppb	Bromobenzene	NOT DETECTED		200 ppb
1,1-Dichloroethane	NOT DETECTED		200 ppb	n-Propylbenzene	NOT DETECTED		200 ppb
2-Butanone (MEK)	NOT DETECTED		200 ppb	2-Chlorotoluene	NOT DETECTED		200 ppb
cis-1,2-Dichloroethene	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
Chloroform	NOT DETECTED		200 ppb	tert-Butylbenzene	NOT DETECTED		200 ppb
Bromochloromethane	NOT DETECTED		200 ppb	1,2,4-Trimethylbenzene	631.00 ppb		200 ppb
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-Isopropyltoluene	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-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
cis-1,3-Dichloropropene	NOT DETECTED		200 ppb	1,2,3-Trichlorobenzene	NOT DETECTED		200 ppb
Toluene	NOT DETECTED		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				
Chlorobenzene	NOT DETECTED		200 ppb				

Surrogates	% Recovery	Limits
Dibromofluoromethane	97	(84-119)
1,2-Dichloroethane-d4	100	(86-118)
Toluene-d8	104	(94-105)
p-Bromofluorobenzene	93	(94-106)

Comments:

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

* 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

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Maranatha Church - Columbus
County Code Lowndes — NPDES Permit No. _____
Discharge No. _____ — Date Requested _____
Sample Point Identification M-3
Requested By Rust — Data To Richard Harrell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition Sunny 80's — Collected By _____
Where Taken Culvert

	Type	Parameters	Preservative	Date	Time
1.	Totals	VOCs	ICE	5/27/99	
2.		Semi VOCs	ICE	5/27/99	
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____
V. LABORATORY: Received By _____ Date 5-28-99 Time 1000
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____

Remarks _____

*Date of Test Initiation

1462

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 1459
Cost Code:

I. GENERAL INFORMATION:
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
Time: Other:

II. SAMPLE IDENTIFICATION:
Environment Condition: Sunny 80's
Where Taken: Removed Culvert

Collected By: RWH

	Type	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 Code	Req	Results	Analyst	Date
pH	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: 5-28-99
Date Sent to State Office: 6-2-99

Time: 1000

Remark:

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**
Charge Code	**3700**

Name	Amount	Units	MQL	Name	Amount	Units	MQL
Dichlorodifluoromethane	NOT DETECTED		200 ppb	1,1,1,2-Tetrachloroethane	NOT DETECTED		200 ppb
Chloromethane	NOT DETECTED		200 ppb	Ethylbenzene	NOT DETECTED		200 ppb
Vinyl Chloride	NOT DETECTED		200 ppb	m & p -Xylene	NOT DETECTED		200 ppb
Bromomethane	NOT DETECTED		200 ppb	Styrene	NOT DETECTED		200 ppb
Chloroethane	NOT DETECTED		200 ppb	o - Xylene	NOT DETECTED		200 ppb
Trichlorofluoromethane	NOT DETECTED		200 ppb	Bromoform	NOT DETECTED		200 ppb
Acetone	NOT DETECTED		200 ppb	1,1,2,2-Tetrachloroethane	NOT DETECTED		200 ppb
1,1-Dichloroethene	NOT DETECTED		200 ppb	Isopropylbenzene	NOT DETECTED		200 ppb
Methylene Chloride	NOT DETECTED		200 ppb	1,2,3-Trichloropropane	NOT DETECTED		200 ppb
trans-1,2-Dichloroethene	NOT DETECTED		200 ppb	Bromobenzene	NOT DETECTED		200 ppb
1,1-Dichloroethane	NOT DETECTED		200 ppb	n-Propylbenzene	NOT DETECTED		200 ppb
2-Butanone (MEK)	NOT DETECTED		200 ppb	2-Chlorotoluene	NOT DETECTED		200 ppb
cis-1,2-Dichloroethene	NOT DETECTED		200 ppb	4-Chlorotoluene	NOT DETECTED		200 ppb
2,2-Dichloropropane	NOT DETECTED		200 ppb	1,3,5-Trimethylbenzene	730.00	ppb	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-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-Isopropyltoluene	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-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	11,100	ppb	200 ppb
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				
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				
Chlorobenzene	NOT DETECTED		200 ppb				

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 3
IN SOILS/SOLIDS

OPCL NO.: 1459 MARKED: Marantha Church KM-1
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	74,800	Pentachloropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	*2,000,000
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	*1,720,000
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	*993,000
2-Methylphenol	330	ND	Dimethylphthalate	330	ND	Butylbenzylphthalate	330	ND
bis(2-Chloroisopropyl)ether	330	ND	Acenaphtylene	330	62,100	3,3'Dichlorobenzidine	660	ND
4-Methylphenol	330	ND	2,6-Dinitrotoluene	330	ND	Benzo(a)anthracene	330	*696,000
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	308,000
Hexachloroethane	330	ND	Acenaphthene	330	*529,000	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	332,000
2-Nitrophenol	330	ND	Dibenzofuran	330	*452,000	Benzo(k)fluoranthene	330	74,700
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	239,000
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	86,000
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	39,300
2,4-Dichlorophenol	330	ND	Fluorene	330	*734,000	Benzo(g,h,i)perylene	330	90,200
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND			
Naphthalene	330	15,900	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
2-Fluorophenol	86	25 - 121
Phenol-d5	94	24 - 113
Nitrobenzene-d5	88	23 - 120
2-Fluorobiphenyl	113	30 - 115
2,4,6-Tribromophenol	105	19 - 122
p-Terphenyl-d14	141	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

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Maranatha Church - Columbus
County Code Lowndes — NPDES Permit No. _____
Discharge No. _____ — Date Requested _____
Sample Point Identification Rm-1
Requested By Richard Harrell — Data To Richard Harrell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition Sunny 60's — Collected By RWH
Where Taken removed culvert

	Type	Parameters	Preservative	Date	Time
1.	Totals	VOCs	ICE	5/22/95	
2.		Semi VOC	ICE	5/22/95	
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____
V. LABORATORY: Received By [illegible] — Date 5-28-95 — Time 1000
Recorded By _____ — Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1459

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
NPDES Permit No. _____
County Code Lowndes
Date Requested May 99
Discharge No. _____
Sample Point Identification Drainage Creek
Data To Kirk Shelton
Requested By _____
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Collected By _____
Environment Condition _____
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Grab (-)	Semi-Vol (Soil) (Culverts)	Cool	5-26-99	1100
2.					
3.					
4.					
5.					

II. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus (X) RO Vehicle ( ) Other ( ) _____
Date 5-27-99 Time 0950

V. LABORATORY: Received By _____
Recorded By _____
Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

1440

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No.: 1440
Cost Code:

I. GENERAL INFORMATION:
Facility Name: Maranatha Faith Center
County Code: Lowndes **NPDES Permit No.:**
Discharge No: **Date Requested: 5-99**
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:

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

III. FIELD:

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

IV. TRANSPORTATION OF SAMPLE:
Bus: **RO Vehicle:** **Other:**

V. LABORATORY:
Received by: V. Stamps **Date: 5-27-99** **Time: 0910**
Recorded by: T. Sawyer **Date Sent to State Office:** 8-5-99

Remark:

SEMIVOLATILE ORGANIC COMPOUNDS
IN SOILS/SOLIDS

OPCL NO.: 1440
ANALYSIS OF: Soil/Sed.

MARKED: Marantha Faith Center #1
DATE RECEIVED: 5/27/99

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	793,000	Pentachloropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	11,900,000
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	1,300,000
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	7,590,000
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	4,890,000
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	1,560,000
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	1,210,000
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	ND
Isophorone	330	ND	4-Nitrophenol	1600	ND	Benzo(b)fluoranthene	330	939,000
2-Nitrophenol	330	ND	Dibenzofuran	330	2,160,000	Benzo(k)fluoranthene	330	404,000
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			
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
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

___ 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: *Surrogate recoveries not calculated due to extreme dilution for analysis.

SEMIVOLATILE ORGANIC COMPOUNDS IN SOILS/SOLIDS

OPCL NO.: 1440
ANALYSIS OF: Soil/Sed.

MARKED: Marantha Faith Center #2
DATE RECEIVED: 5/27/99

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	504,000	Pentachloropohenol	660	ND
2-Chlorophenol	330	ND	Hexachlorocyclopentadiene	330	ND	Phenanthrene	330	11,400,000
1,3-Dichlorobenzene	330	ND	2,4,6-Trichlorophenol	330	ND	Anthracene	330	1,250,000
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	7,630,000
1,2-Dichlorobenzene	330	ND	2-Nitroaniline	1600	ND	Pyrene	330	4,810,000
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	1,570,000
N-Nitroso-di-n-propylamine	330	ND	3-Nitroaniline	1600	ND	Chrysene	330	1,230,000
Hexachloroethane	330	ND	Acenaphthene	330	1,590,000	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	998,000
2-Nitrophenol	330	ND	Dibenzofuran	330	1,640,000	Benzo(k)fluoranthene	330	388,000
2,4-Dimethylphenol	330	ND	2,4-Dinitrotoluene	330	ND	Benzo(a)pyrene	330	702,000
Benzoic acid	1600	ND	Diethylphthalate	330	ND	Indeno(1,2,3-cd)pyrene	330	283,000
bis(2-Chloroethoxy)methane	330	ND	4-Chlorophenyl-phenylether	330	ND	Dibenz(a,h)anthracene	330	ND
2,4-Dichlorophenol	330	ND	Fluorene	330	377,000	Benzo(g,h,i)perylene	330	402,000
1,2,4-Trichlorobenzene	330	ND	4-Nitroaniline	1600	ND	Carbazole	330	585,000
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			

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 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 peaks were observed, but not examined.

COMMENTS: *Surrogate recoveries not calculated due to extreme dilution for analysis.

BUREAU OF POLLUTION CONTROL

SAMPLE REQUEST FORM

Lab Bench No.: 1438
Cost Code:

I. GENERAL INFORMATION:

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
Time: Other:

II. SAMPLE IDENTIFICATION:

Environment Condition:
Where Taken:

Collected By:

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

III. FIELD:

Analysis	Computer Code	Req	Results	Analyst	Date
pH	000400				
D.O.	000300				
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: 6-15-99

JUN 16

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOUNDS
IN WATER

OPCL NO.: 1438 MARKED: Maranatha Faith Center (Upstream)

ANALYSIS OF: Water DATE RECEIVED: 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	ND
2-Methylphenol	10	ND	Dimethylphthalate	10	ND	Butylbenzylphthalate	10	ND
bis(2-Chloroisopropyl)ether	10	ND	Acenaphtylene	10	ND	3,3'Dichlorobenzidine	50	ND
4-Methylphenol	10	ND	2,6-Dinitrotoluene	10	ND	Benzo(a)anthracene	10	ND
N-Nitroso-di-n-propylamine	20	ND	3-Nitroaniline	50	ND	Chrysene	10	ND
Hexachloroethane	20	ND	Acenaphthene	10	ND	bis(2-Ethylhexyl)phthalate	10	ND
Nitrobenzene	10	ND	2,4-Dinitrophenol	50	ND	Di-n-octylphthalate	10	ND
Isophorone	10	ND	4-Nitrophenol	50	ND	Benzo(b)fluoranthene	10	ND
2-Nitrophenol	20	ND	Dibenzofuran	10	ND	Benzo(k)fluoranthene	10	ND
2,4-Dimethylphenol	10	ND	2,4-Dinitrotoluene	10	ND	Benzo(a)pyrene	10	ND
Benzoic acid	50	ND	Diethylphthalate	10	ND	Indeno(1,2,3-cd)pyrene	20	ND
bis(2-Chloroethoxy)methane	10	ND	4-Chlorophenyl-phenylether	10	ND	Dibenz(a,h)anthracene	20	ND
2,4-Dichlorophenol	10	ND	Fluorene	10	ND	Benzo(g,h,i)perylene	20	ND
1,2,4-Trichlorobenzene	10	ND	4-Nitroaniline	50	ND			
Naphthalene	10	ND	4,6-Dinitro-2-methylphenol	50	ND			
4-Chloroaniline	20	ND	N-nitrosodiphenylamine	20	ND			
Hexachlorobutadiene	10	ND	4-Bromophenyl-phenylether	10	ND			

SURROGATES	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

_ 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. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
NPDES Permit No. _____
County Code Lowndes
Date Requested May 99
Discharge No. _____
Sample Point Identification Drainage Creek
Data To Kirk Shelton
Requested By Complaint File
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By _____
Where Taken _____

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

II. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
Date 5-27-99 Time 0910

V. LABORATORY: Received By _____
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____

Remarks _____

*Date of Test Initiation

1438

BUREAU OF POLLUTION CONTROL

SAMPLE REQUEST FORM

Lab Bench No.: 1439
Cost Code:

I. GENERAL INFORMATION:

Facility Name: Maranatha Faith Center
County Code: Lowndes
Discharge No:
Sample Point Identification: Drainage Creek
Requested By:
Type of Sample: Grab: (X) Composite: Flow:

NPDES Permit No.:
Date Requested: 5-99

Data To: Kirk Shelton
Time: Other:

II. SAMPLE IDENTIFICATION:

Environment Condition:
Where Taken:

Collected By:

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

III. FIELD:

Analysis	Computer Code	Req	Results	Analyst	Date
pH	000400				
D.O.	000300				
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: 6-15-99

JUN 16 19

Remark:

TARGET COMPOUND LIST
SEMIVOLATILE ORGANIC COMPOUNDS
IN WATER

OPCL NO.: 1439 MARKED: Maranatha Faith Center (Downstream)

ANALYSIS OF: Water DATE RECEIVED: 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	ND
2-Methylphenol	10	ND	Dimethylphthalate	10	ND	Butylbenzylphthalate	10	ND
bis(2-Chloroisopropyl)ether	10	ND	Acenaphtylene	10	ND	3,3'Dichlorobenzidine	50	ND
4-Methylphenol	10	ND	2,6-Dinitrotoluene	10	ND	Benzo(a)anthracene	10	ND
N-Nitroso-di-n-propylamine	20	ND	3-Nitroaniline	50	ND	Chrysene	10	ND
Hexachloroethane	20	ND	Acenaphthene	10	ND	bis(2-Ethylhexyl)phthalate	10	ND
Nitrobenzene	10	ND	2,4-Dinitrophenol	50	ND	Di-n-octylphthalate	10	ND
Isophorone	10	ND	4-Nitrophenol	50	ND	Benzo(b)fluoranthene	10	ND
2-Nitrophenol	20	ND	Dibenzofuran	10	ND	Benzo(k)fluoranthene	10	ND
2,4-Dimethylphenol	10	ND	2,4-Dinitrotoluene	10	ND	Benzo(a)pyrene	10	ND
Benzoic acid	50	ND	Diethylphthalate	10	ND	Indeno(1,2,3-cd)pyrene	20	ND
bis(2-Chloroethoxy)methane	10	ND	4-Chlorophenyl-phenylether	10	ND	Dibenz(a,h)anthracene	20	ND
2,4-Dichlorophenol	10	ND	Fluorene	10	ND	Benzo(g,h,i)perylene	20	ND
1,2,4-Trichlorobenzene	10	ND	4-Nitroaniline	50	ND			
Naphthalene	10	ND	4,6-Dinitro-2-methylphenol	50	ND			
4-Chloroaniline	20	ND	N-nitrosodiphenylamine	20	ND			
Hexachlorobutadiene	10	ND	4-Bromophenyl-phenylether	10	ND			

SURROGATES	RECOVERY (%)	LIMITS
2-Fluorophenol	54	21-100
Phenol-d5	61	10-194
Nitrobenzene-d5	56	35-114
2-Fluorobiphenyl	58	43-116
2,4,6-Tribromophenol	80	10-123
p-Terphenyl-d14	80	33-141

Date Extracted: 6 / 1 / 1999
Date Injected: 6 / / 19
ND = None Detected
MQL = Minimum Quantifiable Level
Analyst: Jon Shell

Lower Detection Level = MQL X 1 = _____ 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. _____

I. GENERAL INFORMATION: Facility Name Maranatha Faith Center
County Code Lowndes — NPDES Permit No. _____
Discharge No. _____ — Date Requested May 99
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 _____

	Type	Parameters	Preservative	Date	Time
1.	Grab	Semi - Vol (downstream)	Cool	5-26-99	1145
2.					
3.					
4.					
5.					

II. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) Date 5-27-99 Time 0910
V. LABORATORY: Received By _____ Date Sent to State Office _____
Recorded By _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
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		
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____
_____	_____	( )	_____	_____	_____

Remarks _____

*Date of Test Initiation

1439