Rec'd 9/20/02

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Combined Preliminary Assessment/Site Inspection Narrative Report

Oakwood Mobile Home Park
215 Camak Drive
Athens, Clarke County, Georgia
EPA ID No. GAN000407412

September 4, 2002

Georgia Department of Natural Resources
Environmental Protection Division
Hazardous Waste Management Branch

Prepared by	Reviewed by	Approved by
Brooke M. Davis		
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Attachment 1 – Reconnaissance Trip Report

Attachment 2 – Trip Report including photographs

Attachment 3 – Sampling and Analysis Plan

Attachment 4 – Analytical Laboratory Data

Attachment 5 – Selected References

Date: September 4, 2002

Prepared By: Brooke M. Davis
Georgia Environmental Protection Division
Hazardous Waste Management Branch
Atlanta, Georgia 30334

Site: Oakwood Mobile Home Park, Athens, Clarke County, Georgia

EPA ID No.: GAN000407412

1.0 INTRODUCTION

Under authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), the Hazardous Waste Management Branch of the Georgia Environmental Protection Division (GAEPD) conducted a combined Preliminary Assessment and Site Investigation (PA/SI) at the Oakwood Mobile Home Park site, Athens, Clarke County, Georgia.

The purpose of this inspection was to collect information concerning current conditions at the Oakwood Mobile Home Park to assess the threat posed to human health and the environment and to determine the need for additional investigation under CERCLA or other authority, and, if appropriate, support site evaluation using the Hazard Ranking System (HRS) for proposal to the National Priorities List (NPL). The investigation included reviewing available file information, a reconnaissance trip to verify site conditions and propose sampling locations, a comprehensive target survey, sampling environmental media, review of sample analytical results, and evaluating and documenting HRS factors.

2.0 SITE DESCRIPTION, OPERATIONAL HISTORY, AND WASTE CHARACTERISTICS

2.1 Location

The Oakwood Mobile Home Park site (EPA ID # GAN 000407412) is located in Clarke County in Athens, Georgia on Camak Drive. The geographical coordinates of the mobile home park are latitude 33° 59' 24.73" North and longitude 83° 25' 24.82" West, and the site is located on the Athens West, Georgia United States Geologic Survey 7.5 minute Topographic Quadrangle Map (Reference 1, Figures1, 2).

2.2 Site Description

The Oakwood Mobile Home Park site is located in a residential/industrial area of Clarke County. The site is bordered by residential to the north and the west, Colonial Pipeline and Southeast Terminals to the east, and a storage facility and abandoned grain elevator

to the south (figure 3). The Park is owned by Elton McKlheney and operated by Jeff and Jill McKlheney.

The area is characterized by a mild climate. Clarke County has long, warm summers due to being enveloped in moist tropical air from the Gulf of Mexico with an average summer temperature of 78 degrees Fahrenheit. Winters are cool and fairly short, with daily average temperatures of 44 degrees. Relative humidity averages 90 percent at mid-afternoon and 65 percent at dawn. The net annual precipitation is approximately 49.8 inches and the 2-year, 24-hour rainfall is approximately 3.8 inches (References 2, 3, and 4).

2.3 Operational History and Waste Characteristics

The park was established in the late 1950's and consists of fifteen (15) mobile homes with approximately 16 to 30 people living there. The January 2002, "Athens Grain Elevator Site Inspection Report," prepared by Bob Pierce of the Georgia Environmental Protection Division (GAEPD), identified the Oakwood Mobile Home Park site, specifically the septic tank system and the area around the former drinking water well, as a possible source of hazardous constituents found in the groundwater which may not be attributable to the Athens Grain Elevator site which is 600 feet south of the mobile home park (Reference 5).

A mobile home park resident, the McKlheneys on 215 Camak Drive, suspected that the park's on-site drinking water well was contaminated. On January 12, 1999, they (the McKlheneys) collected a water sample from their mobile home and brought it to the University of Georgia's Cooperative Extension Service Laboratory on College Station Road for analysis. The analysis indicated that the water was contaminated with various chemicals. On January 19, 1999, an Egleston (Atlanta Children's Hospital) doctor formally requested that the GA EPD investigate the mobile home park well, which did not have a drinking water permit. The residents of the park believe the well was installed around 1971 (Reference 6). There is no written information regarding the depth of this well, but assumed to be completed in the bedrock at approximately 180 feet deep. The septic tank system, approximately ¼ acre in size, is located close to the on-site drinking water well. Groundwater is derived from local rainfall. The most reliable groundwater supply comes from bedrock fractures with the overlying soil/saprolite serving as an intermediate storage mechanism.

On February 15, 1999, GA EPD obtained a groundwater sample from the public supply well at the Oakwood Mobile Home Park. Analysis of the water by the GA EPD Laboratory in Atlanta showed elevated levels (above MCL) of 1,2-dichloroethane, benzene, carbon tetrachloride and chloroform. In response to this investigation, GA EPD requested Athens-Clarke County to furnish water to the Oakwood Mobile Home Park. On February 16, 1999, this connection was completed and the residents were supplied with city water. Follow-up testing from the distribution system showed the water to be uncontaminated. In May 1999, the Georgia Geologic Survey (GGS) constructed five (5) permanent 2" monitoring wells on the property of the mobile home park and along Old

Jefferson Road just south of the Athens Grain Elevator silos. The well construction data shows that the total depth of the wells range from 21 to 44 feet. All of the wells were designed to intercept the shallow water table and as such are completed in the soil residuum (regolith) that occurs above the bedrock. The GGS conducted five (5) rounds of groundwater sampling from these wells between June 1999 and June 2000 (Ref. 7). Most of the detected contamination occurs in monitoring wells MW-2 and MW-5. MW-2 is located along Camak Drive to the west of the Athens Grain Elevator and the Oakwood Mobile Home Park; MW-5 is located south of both sites. The results showed carbon tetrachloride, 1,2-dichloroethane and chloroform were detected in both MW-5 and the Oakwood Mobile Home Park well (Ref. 7).

This investigation focuses on the possibility that the on-site septic tank systems could be a source for the known groundwater contamination. According to the records at the Athens Clarke County Health Department, there are nine (9) septic tanks and associated drainage fields located on the property (Ref. 8). All of the septic tanks drain to the same general area (Figure 4).

3.0 WASTE/SOURCE SAMPLING

3.1 Sample Locations

After discussions with Ms. Carolyn Thompson of USEPA, the sampling plan was agreed upon consisting of nine (9) soil samples (including background). Background samples were taken from the northern corner of the site, in the front yard of 215 Camak Drive (facing 215 Camak Drive, all the way to the far right corner). The possible source(s) at the mobile home park are the septic tank systems and associated drainage fields. Figure 4 shows the approximate sampling locations and photos of the exact locations are contained in the trip report (attachment 2). More detailed information can be found in the Site Sampling and Analysis Plan (attachment 3).

Nine (9) soil samples were taken at the following locations:

9048 - Background, northwest in a visually clean area (surface)
9049 – Background, northwest in a visually clean area (subsurface)
9056 – Drainage field location #1 (surface)
9057 – Drainage field location #1 (subsurface)
9051 – Drainage field location #2 (surface)
9053 – Drainage field location #2 (subsurface)
9054 – Drainage field location #3 (surface)
9055 – Drainage field location #3 (subsurface)
9050 – Between septic tank drainage field and well (surface)

All environmental media sampling was conducted according to standard operating procedures specified in the U.S. Environmental Protection Agency (USEPA) Region IV Environmental Investigations Standard Operating Procedures and Quality Assurance Manuel (SOP/QAM) dated May 1996.

3.2 Analytical Results

Analytical results are presented in Table 1, along with the sample number and description of the sample point. All of the samples were taken either in the drainage field area or downgradient of the drainage field area. None of the sample results were significantly above the background levels. The Georgia EPD laboratory located in Atlanta, Georgia performed all sample analyses. Samples were analyzed for the CLP constituents that are found at http://www.epa.gov/superfund/programs/clp/target.htm (VOC / SVOC TCL, Pesticides / Aroclors TCL and Metals / Cyanide TAL) except for dioxins/furans.

3.3 Conclusions

No significant levels of contamination were found above background in any of the soil samples analyzed. This sampling event did not provide conclusive evidence that significant sources of hazardous substances exist in the soil at the site. Therefore, there is no proven source in the soil at the Oakwood Mobile Home Park.

4.0 GROUNDWATER PATHWAY

4.1 Hydrogeology

The site lies in the Winder Slope District of the Piedmont Province of Georgia (Ref. 9 - 10). The Winder Slope District is characterized by gently rolling topography sloping gradually from an elevation of 1000 feet in the north to 700 feet at the southern edge. The headwater tributaries of the major streams draining to the Atlantic Ocean dissect this district. Numerous dome-shaped, granitic mountains are located on the interfluves in the southern and western portion of this district. Fairly deep and narrow stream valleys lie 100-200 feet below the narrow, rounded stream divides. The western boundary follows the drainage divide that separates streams draining to the Atlantic Ocean from those draining to the Gulf of Mexico. The southern boundary approximates the 700-foot elevation where a sharp break in regional slope occurs.

The Piedmont Province is a broad upland developed on complexly deformed Late Precambrian and Paleozoic metamorphic and igneous rocks. The topography of the province is rolling to rugged with elevations ranging from approximately 2000 feet in the Dahlonega area to 500 feet or less along the Fall Line, the southern margin of the province. Crystalline bedrock in the province has little intergranular porosity. Groundwater in the bedrock is in open spaces formed through jointing or fracturing, along discontinuities formed by compositional layering or faulting, and in zones of weathering extending from the surface to more than 100 feet into the bedrock in places. The bedrock is overlain by a variable thickness (averaging 50 feet) of residual weathered rock called saprolite (Ref. 11).

Geologically complex metamorphic and igneous rocks underlie the Piedmont Province. The most common rocks are gneisses and schists, into which igneous rocks, chiefly granite, have been intruded. Other intrusive rocks include pegmatite, and mafic and

ultramafic intrusives. Thin dikes of diabase are also common and tend to cut across regional strike (Ref. 12).

Overlying the igneous and metamorphic bedrock is a layer of soil and saprolite that is derived from the underlying bedrock. The saprolite occurs between the soil and the unaltered bedrock and consists of decomposed rock displaying both the properties of soil and the geologic structure of the underlying bedrock. Ground water is derived from local rainfall. The most reliable ground water supply comes from secondary bedrock fractures with the overlying soil / saprolite serving as an intermediate storage mechanism. Wells in the area are drilled, bored, or dug. Drilled wells are normally 4" or 6" in diameter and are completed open hole in the bedrock. These wells obtain water from the secondary bedrock fractures. The soil / saprolite is cased off in these wells, and good well construction practices dictate the casing be grouted in place. A non-grouted casing may provide a pathway for contaminants to enter the ground water via the annular space between the casing and the well bore. Both dug and bored wells are larger (24" plus) diameter wells that most often terminate at the bedrock and obtain water from the soil / saprolite layer.

4.2 Targets

On December 18, 2001 representatives of EPA's Science and Ecosystem Support Division (SESD) in Athens, collected one groundwater sample from a private residence on 215 Derricotte Drive in Athens, approximately ½ mile from the Oakwood Mobile Home Park. The results indicated that no VOCs were detected above MCL. There are 16 to 30 residents in the Oakwood Mobile Home Park. Data from the GAEPD HSRA Program shows the following data on public water systems: 1) no systems within 2 miles of the site, 2) one system (Sandy Creek) within 2 to 3 miles, and 5 systems (Beacon, Evatt, Crooked Creek, Colony MHP, and Charolar S/D) within 3 to 4 miles of the site (Figures 3 and 4). The GAEPD Athens Regional Office provided the following information regarding these public water supply systems:

> Colony Mobile Home Park. Permitted public ground water system that serves 96 people from two drilled wells.
> Crooked Creek Subdivision: Permitted public ground water system that serves 60 people from one drilled well.
> Charolar Subdivision: Permitted public ground water system that serves 70 people from one drilled well.
> Margaret Evatt: Permitted system is called Kids Kampus, a day care center. This facility serves 58 people from one drilled well.
> Beacon Mobile Home Park: This facility is served by Athens-Clarke County.
> Sandy Creek Subdivision: Our information indicates this was a mobile home park that was shut down by the County about a year ago. There is no information about any wells.

The above data shows that the total known population that is served by the four permitted groundwater public water systems within 4 miles of the site is 284. All wells serving a public water system in this area would be completed in the bedrock aquifer because wells completed in the soil overlying the bedrock would not yield sufficient water (ref. 13, 14).

4.3 Sample Locations

Since the Georgia Geologic Survey (GGS) installed 5 wells on and around the Oakwood MHP property and several wells have been sampled in the area, no groundwater samples were taken during this investigation.

4.4 Analytical Results

As a result of previous investigations, no groundwater samples were taken during this investigation.

4.5 Groundwater Conclusions

Although there is known groundwater contamination at the site, the constituents cannot be linked to any source at the Oakwood Mobile Home Park. Since there is no source associated with the park, targets are unable to be identified for the site.

5.0 SURFACE WATER/SEDIMENT PATHWAY

5.1 Hydrology

The topography in the area indicates that the surface drainage is to the north, from the Athens Grain Elevator site, located on Jefferson Road, towards the Oakwood Mobile Home Park. The retention pond located between the Athens Grain Elevator silos and the mobile home park collects surface water runoff. Overflow from the retention pond would run off through the mobile home park property, where a ditch leads through a culvert under Camak Drive to a low flow wetland area 400 feet northwest of the mobile home park. Flow from the wetland proceeds by an intermittent and perennial stream channel to the west from about 2 miles before entering the North Oconee River.

5.2 Targets

Since there is not a source located on the site, there are no targets for the surface water/ sediment pathway.

5.3 Sample Locations

No surface water or sediment samples were taken as part of the combined PA/SI investigation. Two samples (one surface water and one sediment) were collected from the retention pond on August 24, 1999 as part of the Athens Grain Elevator SI investigation. These samples were analyzed for volatile organic constituents (VOCs). Additional samples (one surface water and one sediment) were collected on February 23, 2000 from a spring area near Camak Drive at the northwest corner of the mobile home park property. These samples were analyzed for VOCs, semivolatile organic constituents (SVOCs), and metals (Ref. 5).

5.4 Analytical Results

No surface water or sediment samples were taken as part of this investigation. According to information obtained from the Athens Grain Elevator SI, no VOCs or SVOCs were detected in these samples with the exception of a methylene chloride concentration of 15 ug/kg in one of the sediment samples. This compound is a common laboratory contaminant, and the relatively low concentration supports this conclusion. The spring surface water and sediment samples showed a low concentration of barium 63 ug/l and 130 mg/kg, respectively. Barium is a constituent of many rocks in the area and these values are considered naturally occurring. The sediment sample also indicated elevated levels of cadmium at 5 mg/kg and nickel at 230 mg/kg. This area collects material from many potential upstream sources making it difficult to distinguish between these sources. The contaminants at the site cannot be attributed to surface water or sediment carried by surface water (Ref. 5).

5.5 Surface Water/Sediment Conclusions

The above information demonstrates that contaminants from the site cannot be attributed to surface water or sediment carried by surface water. The surface water pathway is not a concern for the mobile home park.

6.0 SOIL EXPOSURE AND AIR PATHWAYS

6.1 Physical Conditions

The Oakwood Mobile Home Park is a mobile home community located in a mixed residential/industrial area near Athens, Georgia. There are approximately fifteen (15) mobile homes on the property.

6.2 Targets

There are approximately 1833 people located within 1 mile of the site (0 - 0.25 mile, 91; 0.25 - 0.5 mile, 314; 0.5 – 1 mile, 1428), 7141 people located within 1 to 2 miles of the site, 14326 people located within 2 to 3 miles of the site, and 24198 people located within 3 to 4 miles of the site. This makes the total 4-mile radius population of 47,499 people (Reference 14). A habitat known to be used by state designated endangered or threatened species has been established for the area (References 15, 16, and 17).

6.3 Sample Locations

Soil sample locations are outlined in the Source Section since the soil around the septic tank systems and near the well were the only possible sources at the site. Table 1 presents sample numbers, locations, and descriptions. Figure 2 shows soil sample locations.

Soil sampling for this ESI was conducted in accordance with standard operating procedures specified in the U.S. Environmental Protection Agency (USEPA) Region IV Environmental Investigations Standard Operating Procedures and Quality Assurance Manual (SOP/QAM) dated May 1996.

6.4 Analytical Results

Soil samples collected during this Combined PA/SI did not show any significant concentrations of hazardous constituents above background concentrations. An observed release cannot be established; there is no source present at the Oakwood Mobile Home Park.

6.5 Soil and Air Conclusions

The lack of constituent concentrations greater than background lead to the conclusion that the soil pathway is not considered a concern. The air pathway was not a concern at this site and therefore, was not evaluated. There was no evidence of an air release such as dust or odors.

7.0 SUMMARY AND CONCLUSION

Results from previous groundwater investigations at the Oakwood Mobile Home Park indicate that groundwater has been contaminated from an unknown source in the area. This combined PA/SI was conducted to evaluate the impact to groundwater by the septic tank system at the site. Sampling at and around the septic tanks indicates that there is no adverse impact to the environment originating from the tanks. Since the septic tanks have been ruled out as a source, it is recommended that EPA shift the focus of the investigation from the mobile home park to other potential sources in the area. Therefore, this site is not recommended as a candidate for the National Priority List (NPL) and a no further action under CERCLA appears warranted at this time.

8.0 REFERENCES

1. U.S Geological Survey, 7.5-minute series Topographic Quadrangle Maps of Georgia: Athens West and Nicholson, scale 1:24,000.

2. U.S. Department of Commerce, Climate Atlas of the United States (Washington, D.C., GPO, 1983).

3. U.S. Department of Commerce, Rainfall Frequency Atlas of the United States, Technical Paper Number 40 (Washington, D.C., GPO, 1961).

4. Soil Survey of Clarke County, Georgia; USDA, SCS. April 1983.

5. Site Investigation for the Athens Grain Elevator, Athens, Georgia, EPA ID No.:GAN000407189. Filed by Steve White; Revised by Bob Pierce, Georgia Environmental Protection Division, January 7, 2002 (rev.).

6. Petitioned Health Consultation, Ground Water Contamination at Oakwood Mobile Home Park, Athens, Clarke County, Georgia prepared by the State of Georgia DHR and the ATSDR, November 3, 2000.

7. Georgia Geologic Survey Memorandum, February 19, 2001.

8. Athens-Clarke County Health Department, Septic Tank System installation information for the nine (9) tanks at the Oakwood Mobile Home Park located on Camak Drive, dates ranging from September 28, 1959 - May 15, 2000.

9. Clark, William Z. and Arnold C. Zisa, Physiographic Map of Georgia, DNR, 1976.

10. Lawton, David E., Geologic Map of Georgia, DNR, 1977.

11. Brackett, David A., William M. Steele, Thomas J. Schmitt, Robert L. Atkins, Madeleine F. Kellam, and Jerry A. Lineback, Hydrogeologic Data from Selected Sites in the Piedmont and Blue Ridge Provinces, Georgia, DNR/EPD/GGS, Information Circular 86, 1991.

12. Kellam, Madeleine F., David A. Brackett, and William M. Steele, Considerations for the Use of Topographic Lineaments in Siting Water Wells in the Piedmont and Blue Ridge Provinces of Georgia, DNR/EPD/GGS, Information Circular 91, 1993.

13. CERCLA Site Discovery/Prescreening Evaluation for the Oakwood Mobile Home Park site, filed by James Sliwinski, Georgia Environmental Protection Division, January 23, 2002.

14. Centracts Data, January 29, 2001, Oakwood Mobile Home Park, Athens, Clarke County, Georgia: Frost Associates.

15. Georgia Department of Natural Resources, Freshwater Wetlands and Heritage Inventory Database, Athens West Quad, July 1990.

16. Georgia Department of Natural Resources, Georgia Freshwater Wetlands and Heritage Special Plant List, 1993.

17. Georgia Department of Natural Resources, Georgia Freshwater and Heritage Inventory Program Special Animal List, 1993.

Table 1: Soil Sampling Results for Oakwood Mobile Home Park
Athens, Clarke County, Georgia

	Barium	Cadmium	Chromium	Lead	Naphthalene	Nickel
Background – surface *9048*	68	0.65	13	35	Trace	6
Background – subsurface *9049*	-	-	6	14	-	-
Location 1 – surface *9056*	58	-	7.2	14	-	5.1
Location 1 – subsurface *9057*	26	-	8.5	25	-	-
Location 2 – surface *9051*	66	-	11	28	-	4.5
Location 2 – subsurface *9053*	27	-	11	18	-	4.3
Location 3 – surface *9054*	66	-	12	38	-	6.1
Location 3 – subsurface *9055*	33	-	12	20	-	5.9
Location 4 – surface *9050*	87	-	9.6	61	-	5.1

All samples are reported in mg/kg.
** Samples are described by location & sample ID number (in italics).

Roads
State and US Highways
Interstate Highways
Rivers/Streams
Lake/Pond
Swamp/Marsh
Census Block Group Boundaries
Census Block Group with >zero domestic well

Public Supply Well
Domestic Well
Well of Unknown Use
Drinking Water
INDUSTRIAL

Oakwood Mobile Home Park
3490 Jefferson Road
Athens, Clarke County

Scale: 1 inch = 1 mile
33 58' 57" 83 20' 32"

Sources: Wells from USGS GWSI (1999); EPD WRB Non-Municipal Wells (1997); EPD HWMB field surveys (2001); Surface Water Intakes from EPD GSB DR96-27(1996); Roads, Rivers, Wetlands from Georgia DOT (1993); Census data from U.S. Bureau of Census (1990)

08/28/2002

Roads
State and US Highways
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Athens Grain Elevator
3490 Jefferson Road
Athens, Clarke County

Scale: 1 inch = 1 mile
33 59' 20" 83 25' 22"

Sources: Wells from USGS GWSI (1999); EPD WRB Non-Municipal Wells (1997); EPD HWMB field surveys (2001); Surface Water Intakes from EPD GSB DR96-27(1996); Roads, Rivers, Wetlands from Georgia DOT (1993); Census data from U.S. Bureau of Census (1990)

11/19/01

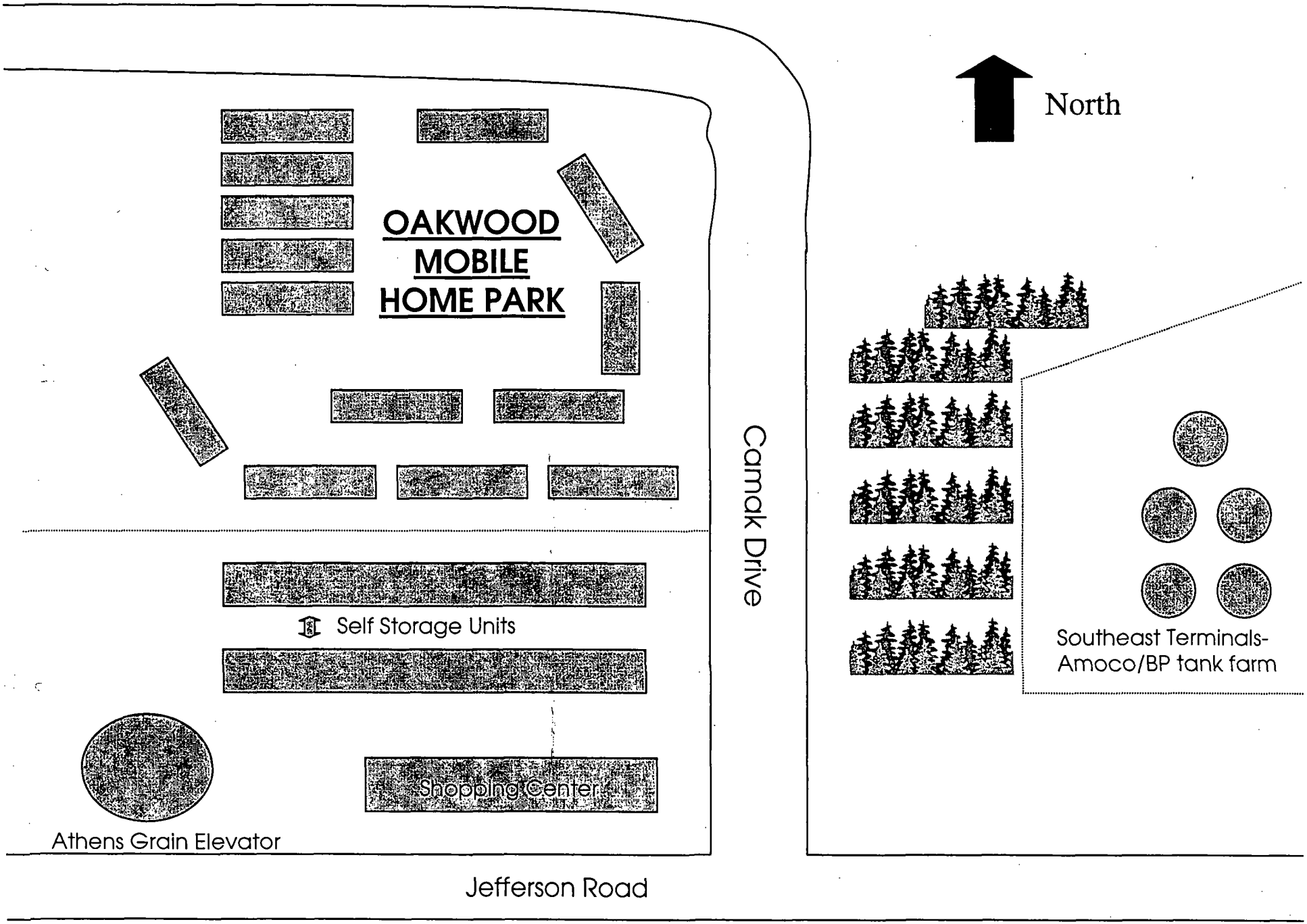


Figure 3: Site Map of Overall Location

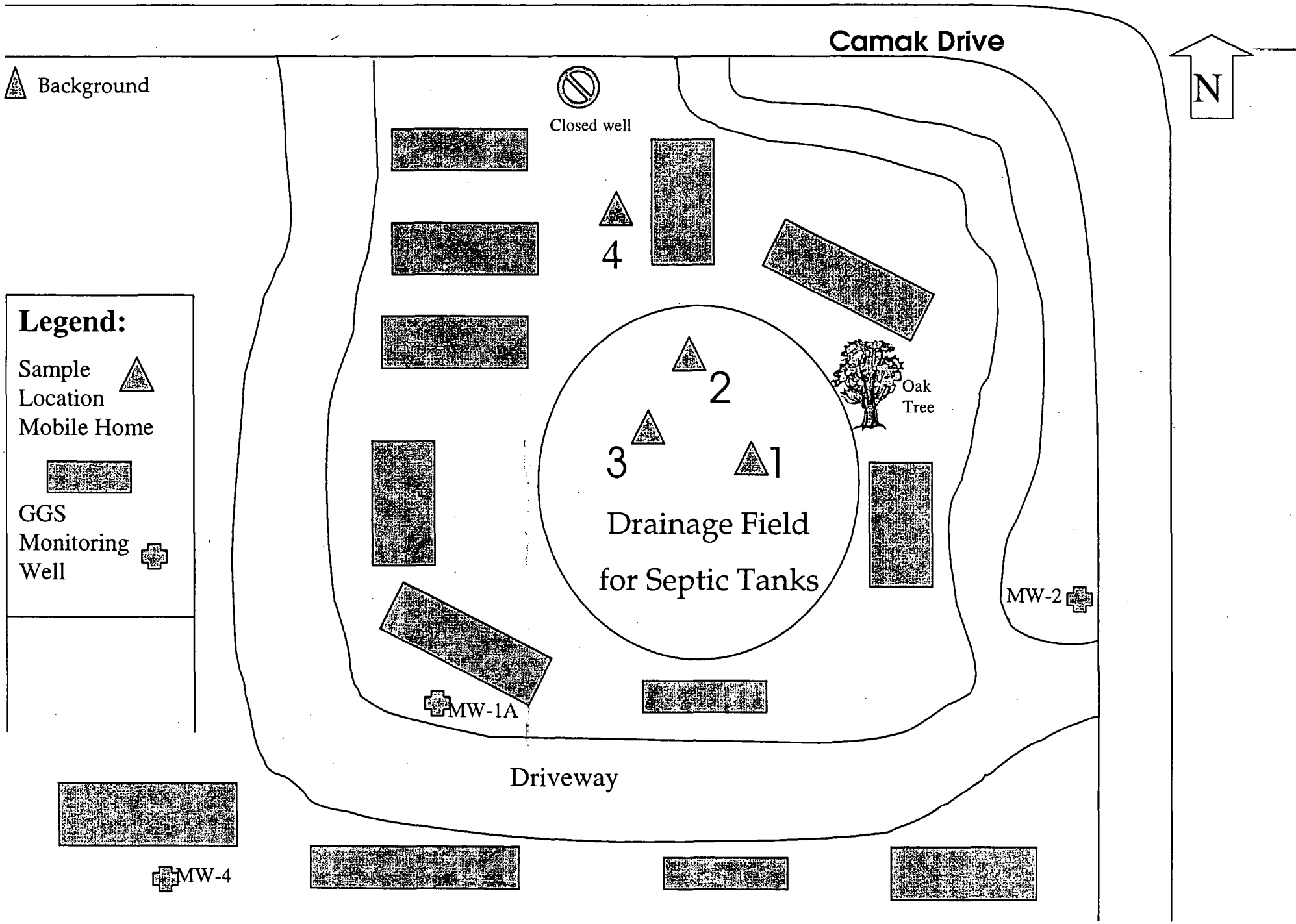
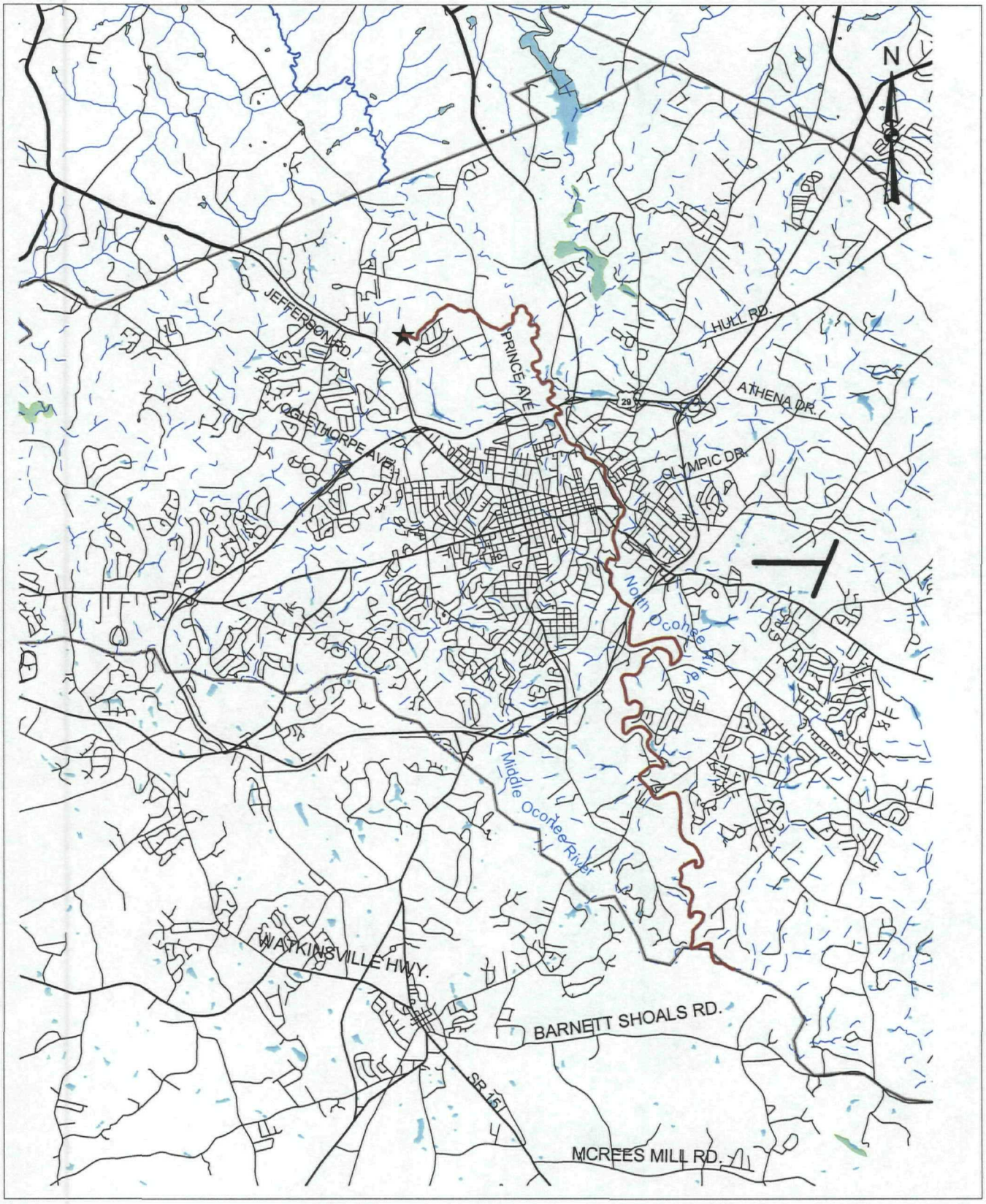


Figure 2: Sampling Location Map

Oakwood Mobile Home Oark
15 - Mile Surface Water Downstream Pathway

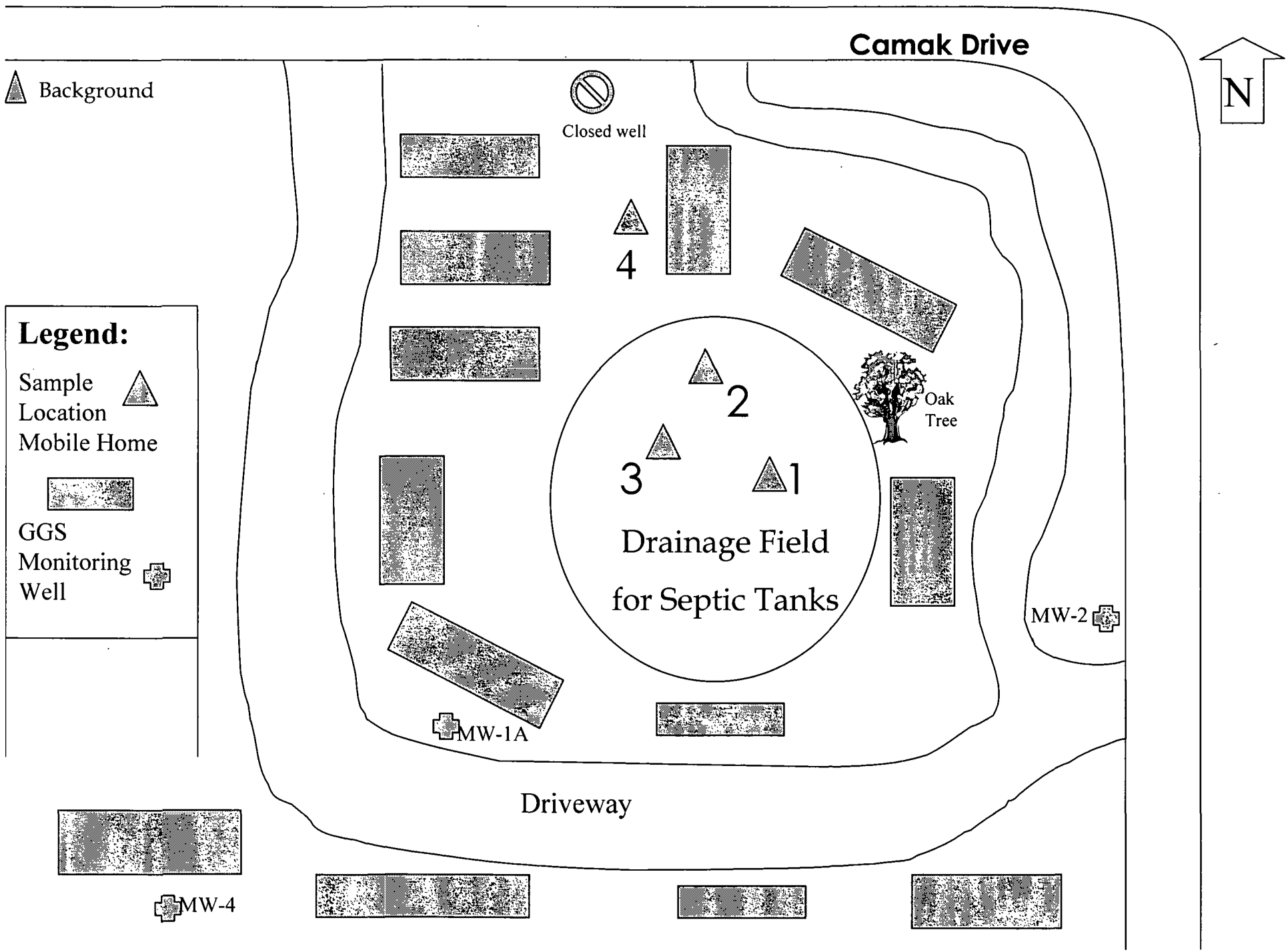


Roads
State and US Highways
Interstate Highways
Rivers/Streams

Lake/Pond
Swamp/Marsh
Surface Water Downstream Pathway

Oakwood Mobile Home Park
3490 Jefferson Road
Athens, Clarke County

1 0 1 2 Miles


Camak Drive
N
Background
Closed well
4
2
3
1
Oak Tree
Drainage Field for Septic Tanks
MW-2
MW-1A
Driveway
MW-4
Legend:
Sample Location
Mobile Home
GGS Monitoring Well

Georgia Department of Natural Resources
2 Martin Luther King Jr. Dr., SE, Suite 1154, Atlanta, Georgia 30334
Lonice C. Barrett, Commissioner
Environmental Protection Division
Harold F. Reheis, Director
404/656-7802

May 23, 2002

TRIP REPORT

SITE NAME AND LOCATION:	Oakwood Mobile Home Park 215 Camak Drive Athens, Georgia 30607
EPA I.D. NUMBER:	GAN000407412
TRIP BY:	Brooke Davis, Environmental Specialist
ACCOMPANIED BY:	Stacey Box, Senior Geologist
DATE OF TRIP:	May 15, 2002
PURPOSE OF TRIP:	Site Reconnaissance for Combined PA/SI Sampling Plan Preparation
REFERENCE:	Pre-CERCLIS Screening Assessment Form Site Investigation- Athens Grain Elevator

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BACKGROUND:

The Oakwood (Mobile Home) Park (photo 1), established in the late1950's, consists of approximately fifteen (15) mobile homes, approximately 16 to 30 people, set in a residential area. The mobile home park manager and resident, the McElheneys on 215 Camak Drive, suspected that the park's on-site drinking water well was contaminated, and on January 12, 1999, collected a water sample from their mobile home and brought it to the University of Georgia's Cooperative Extension Service Laboratory on College Station Road for analysis. The analysis indicated that the water was contaminated with chemicals. On January 19, 1999, an Egleston (Atlanta Children's Hospital) doctor formally requested that the GA EPD investigate the mobile home park well, which did not have a drinking water permit. The residents of the park believe the well was installed around 1971. There is no written information regarding the depth of this well, but assumed to be completed in the bedrock at approximately 180 feet deep. The septic tank system, approximately ¼ acre in size, is located close to the on-site drinking water well. Groundwater is derived from local rainfall. The most reliable groundwater supply comes from bedrock fractures with the overlying soil/saprolite serving as an intermediate storage mechanism. On February 15, 1999, GA EPD obtained a groundwater sample from the public supply well at the Oakwood Mobile Home Park. Analysis of the water by the GA EPD Laboratory in Atlanta showed elevated levels (above MCL) of 1,2-dichloroethane, benzene, carbon tetrachloride and chloroform. In response to this investigation, GA EPD requested Athens-Clarke County to furnish water to the Oakwood Mobile Home Park. On February 16, 1999, this connection was completed, and the residents had city water to drink. Follow-up testing from the distribution system showed the water to be uncontaminated.

The Georgia Geologic Survey installed 5 monitoring wells on and around the site (photo 2). The well construction data shows that the total depth of the wells range from 21 to 44 feet. All of the wells were designed to intercept the shallow water table and as such are completed in the soil residuum (regolith) that occurs above the bedrock. The GGS conducted five (5) rounds of groundwater sampling from these wells between June 1999 and June 2000. Most of the detected contamination occurs in monitoring wells MW-2 and MW-5. Monitoring well 2 (MW-2) is located along Camak Drive to the west of the Athens Grain Elevator and the Oakwood Mobile Home Park; MW-5 is located south of both sites. The results showed carbon tetrachloride, 1,2-dichloroethane and chloroform were detected in both MW-5 and the Oakwood Mobile Home Park well.

The January 2002, "Athens Grain Elevator Site Inspection Report," prepared by Bob Pierce of the Georgia Environmental Protection Division (GAEPD), identified the Oakwood Mobile Home Park site, specifically the septic tank system and the area around the former drinking water well (photo 3), as a possible source of hazardous constituents found in the groundwater which may not be attributable to the Athens Grain Elevator site (photos 4, 5) which is 600 feet south of the mobile home park.

OBSERVATIONS:

Upon arriving at the site, GA EPD decided to identify and locate the existing GGS wells for perspective (photo 2). The wells were located and the site was generally surveyed for possible septic tank locations. The mobile homes are set up in a circle on the property with a relatively large grassy area in the middle of the circle (photo 6). EPD assumed that this area was probably the drainage field for the septic tank(s) (photos 7, 8).

EPD visited the Athens-Clarke County Health Department to obtain any records of the septic tank(s). From the files, EPD received copies of installation procedures for the nine (9) tanks that are on record of being installed.

RECOMMENDATIONS AND FOLLOW-UP REQUIRED:

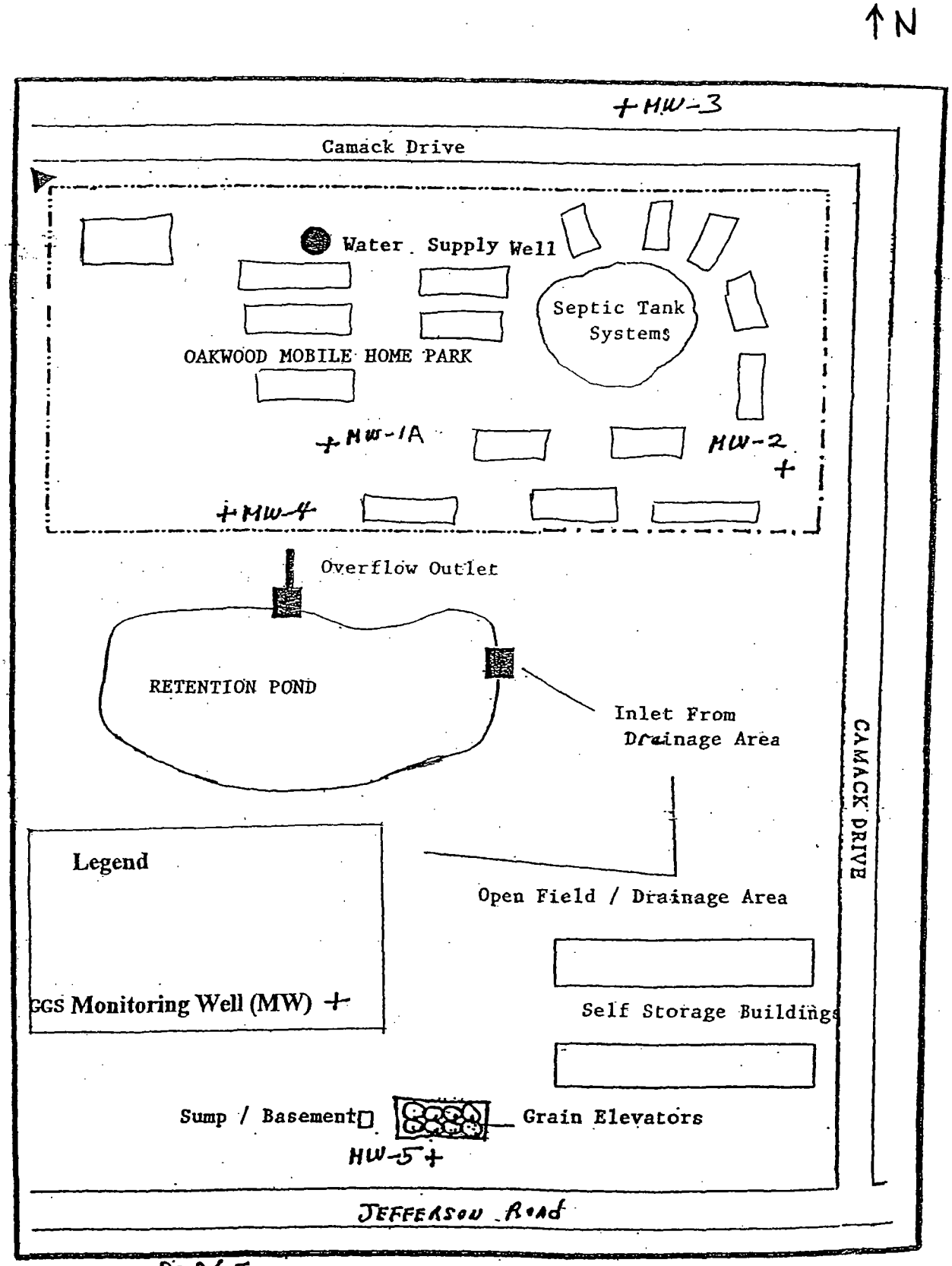
EPD will contact the current owners of the Oakwood Mobile Home Park, Jeff and Jill McElheney, so that the information regarding underground piping, septic tank installation and gas lines may be obtained. This information is pertinent to any sort of drilling activity that may take place at the site.

The assigned sampling week for this project is June 24th – 28th, 2002. A sampling plan will be prepared and submitted to EPA prior to the sampling event.

ATTACHMENTS: Map of mobile home park
Eight (8) photos
Septic tank installation information

REVIEWED BY: M. Kellam
Madeleine Kellam
Unit Coordinator

S:\RDRIVE\BROOKE\OAKWOODPASI\TRIPSITERECON.DOC


N
+MW-3
Camack Drive
Water Supply Well
Septic Tank Systems
OAKWOOD MOBILE HOME PARK
+MW-1A
MW-2
+MW-4
Overflow Outlet
RETENTION POND
Inlet From Drainage Area
CAMACK DRIVE
Legend
GGS Monitoring Well (MW) +
Open Field / Drainage Area
Self Storage Buildings
Sump / Basement
Grain Elevators
MW-5+
JEFFERSON Road

NOT TO SCALE

U.S. EPA REGION IV

SDMS

Unscannable Material Target Sheet

DocID: 10730464 Site ID: GAN000407412

Site Name: Oakwood Mobile Home Park

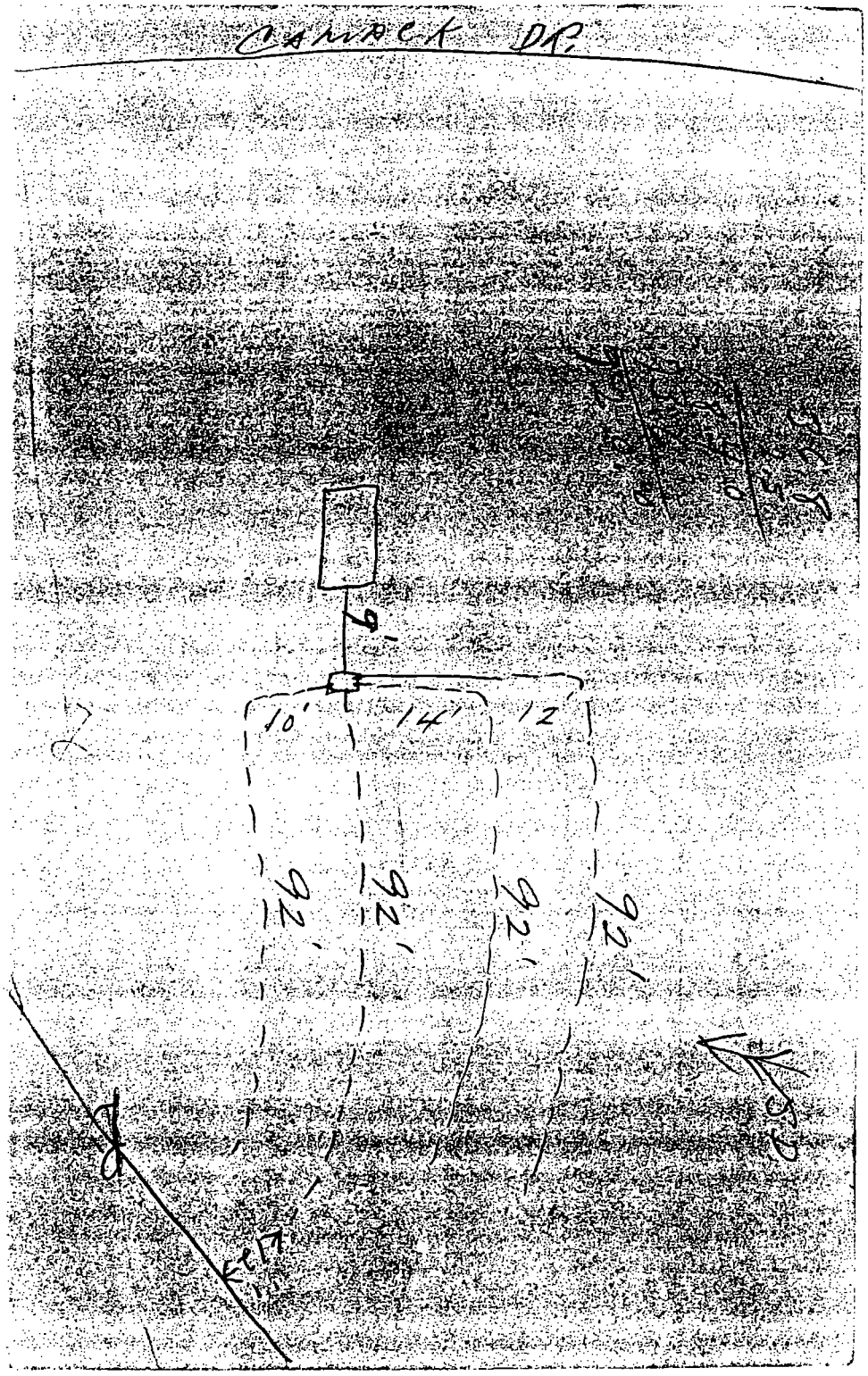
Nature of Material:

Map:	☐	Computer Disks:	☐
Photos:	☑	CD-ROM:	☐
Blueprints:	☐	Oversized Report:	☐
Slides:	☐	Log Book:	☐

Other (describe): Site Photos

Amount of material: _____

* Please contact the appropriate Records Center to view the material *



Septic Tank Design

JOB #3
(5 PAGE FOR 3 HOUSE TRAILERS)

920 88 At

SEPTIC TANK RECORD

NAME MR. CHET GROSSMAN ADDRESS CAMACK DR. ATHENS, GA.

WATER SUPPLY: CITY ✓; OTHER ____.

TANK SIZE: LENGTH 8 FEET; WIDTH 4 FEET; LIQUID DEPTH 4 FEET.

FIELD: TOTAL LENGTH 368 FEET; NO. OF LINES 4; LENGTH EACH LINE 92 FEET.

TRENCH WIDTH 30 INCHES; DEPTH OF TILE 24-30 INCHES

FILTER MATERIAL: GRAVEL ____; BROKEN STONE ✓; CINDERS ____; OTHER ____.

CONTRACTOR Mr. J. C. Glenn ADDRESS Athens, Ga.

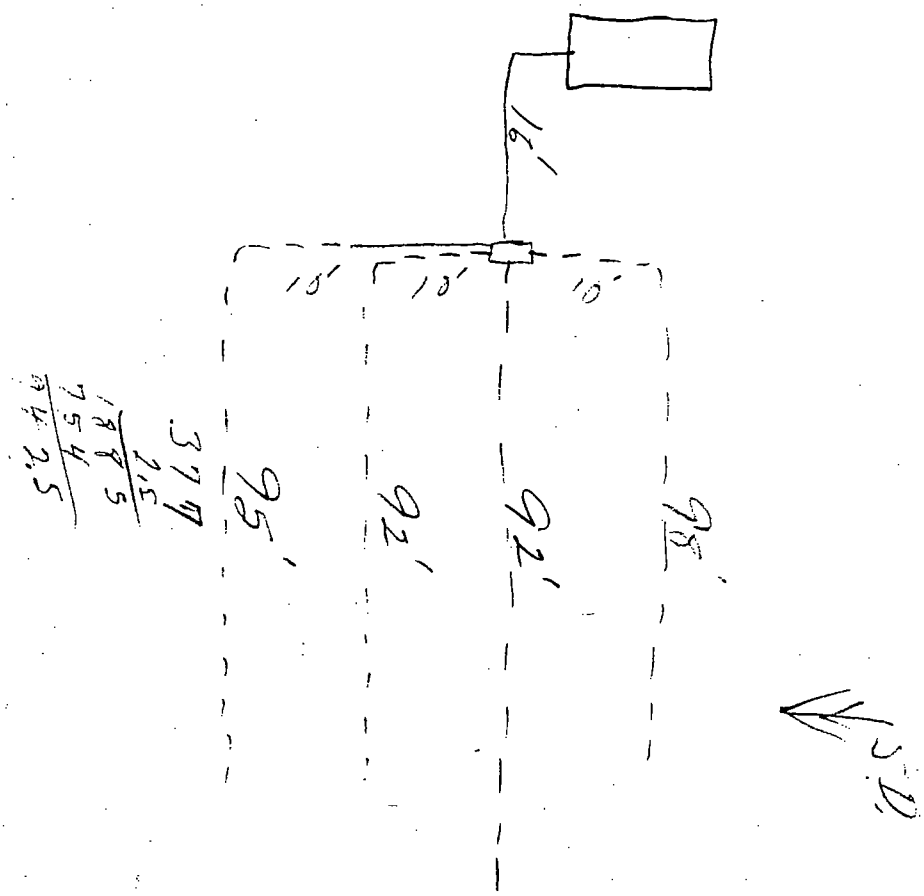
PLUMBER ____ ADDRESS ____

DATE COMPLETED 10-9-59 PERCOLATION TIME ____ MINUTES.

INSPECTOR G. F. V. Rice, Jr.

EH 4.61 SKETCH ON BACK

CAMACA [illegible]



JOB #1

No. 3 Trailer Spaces

943 sq ft

SEPTIC TANK RECORD

NAME MR. C.L. GRISSMAN ADDRESS CAMACK DR. ATHENS, GA.

WATER SUPPLY: CITY ?; OTHER ?.

TANK SIZE: LENGTH 8 FEET; WIDTH 4 FEET; LIQUID DEPTH 4 FEET.

FIELD: TOTAL LENGTH 377 FEET; NO. OF LINES 4; LENGTH EACH LINE 92, 92, 95, 98. FEET.

TRENCH WIDTH 30 INCHES; DEPTH OF TILE 12-24 INCHES.

FILTER MATERIAL: GRAVEL ___; BROKEN STONE ✓; CINDERS ___; OTHER ___.

CONTRACTOR [illegible] ADDRESS [illegible]

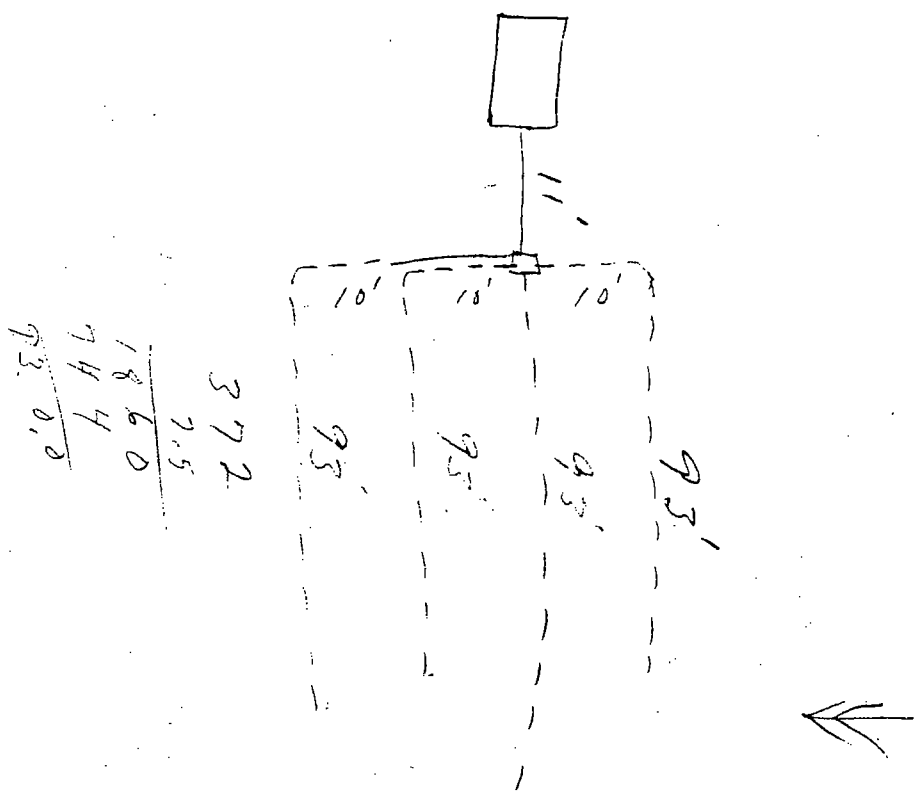
PLUMBER ___ ADDRESS ___

DATE COMPLETED 9-28-59 PERCOLATION TIME ___ MINUTES.

INSPECTOR [illegible]

EH 4.61

SKETCH ON BACK


11'
10'
10'
10'
93'
93'
93'
93'
372
7.5
1860
744
93.0

(SPACE FOR 3 HOUSE TRAILERS)
JOB # 2

930 Sq. Ft.

SEPTIC TANK RECORD

NAME MR. C.L. CHET GROSSMAN ADDRESS CAMACK DR. ATHENS, GA.

WATER SUPPLY: CITY ?; OTHER ____.

TANK SIZE: LENGTH 8 FEET; WIDTH 4 FEET; LIQUID DEPTH 4 FEET.

FIELD: TOTAL LENGTH 372 FEET; NO. OF LINES 4; LENGTH EACH LINE 93 FEET.

TRENCH WIDTH 30 INCHES; DEPTH OF TILE 24 INCHES.

FILTER MATERIAL: GRAVEL ____; BROKEN STONE ✓; CINDERS ____; OTHER ____.

CONTRACTOR Mr. J. C. Glenn ADDRESS Athens, Ga.

PLUMBER ____ ADDRESS ____

DATE COMPLETED 10-2-59 PERCOLATION TIME ____ MINUTES.

INSPECTOR [illegible]

EH 4.61 SKETCH ON BACK

SPACE FOR 3 TANKS

920 sq.ft

GEORGIA DEPARTMENT OF PUBLIC HEALTH

MR. CHET GROSSMANN

SEPTIC TANK RECORD

NAME CHET'S MOBILE HOMES Address [illegible]

WATER SUPPLY: CITY ✓; OTHER ____.

TANK SIZE: LENGTH 8 FEET; WIDTH 4 FEET; LIQUID DEPTH 4 FEET.

FIELD: TOTAL LENGTH 368 FEET; NO. OF LINES 4; LENGTH EACH LINE 92 FEET.

TRENCH WIDTH 30 INCHES; DEPTH OF TITLE 12-24 INCHES

FILTER MATERIAL: GRAVEL ____; BROKEN STONE ✓; CINDERS ____; OTHER ____.

CONTRACTOR GLENN CO. ADDRESS ATHENS, GA.

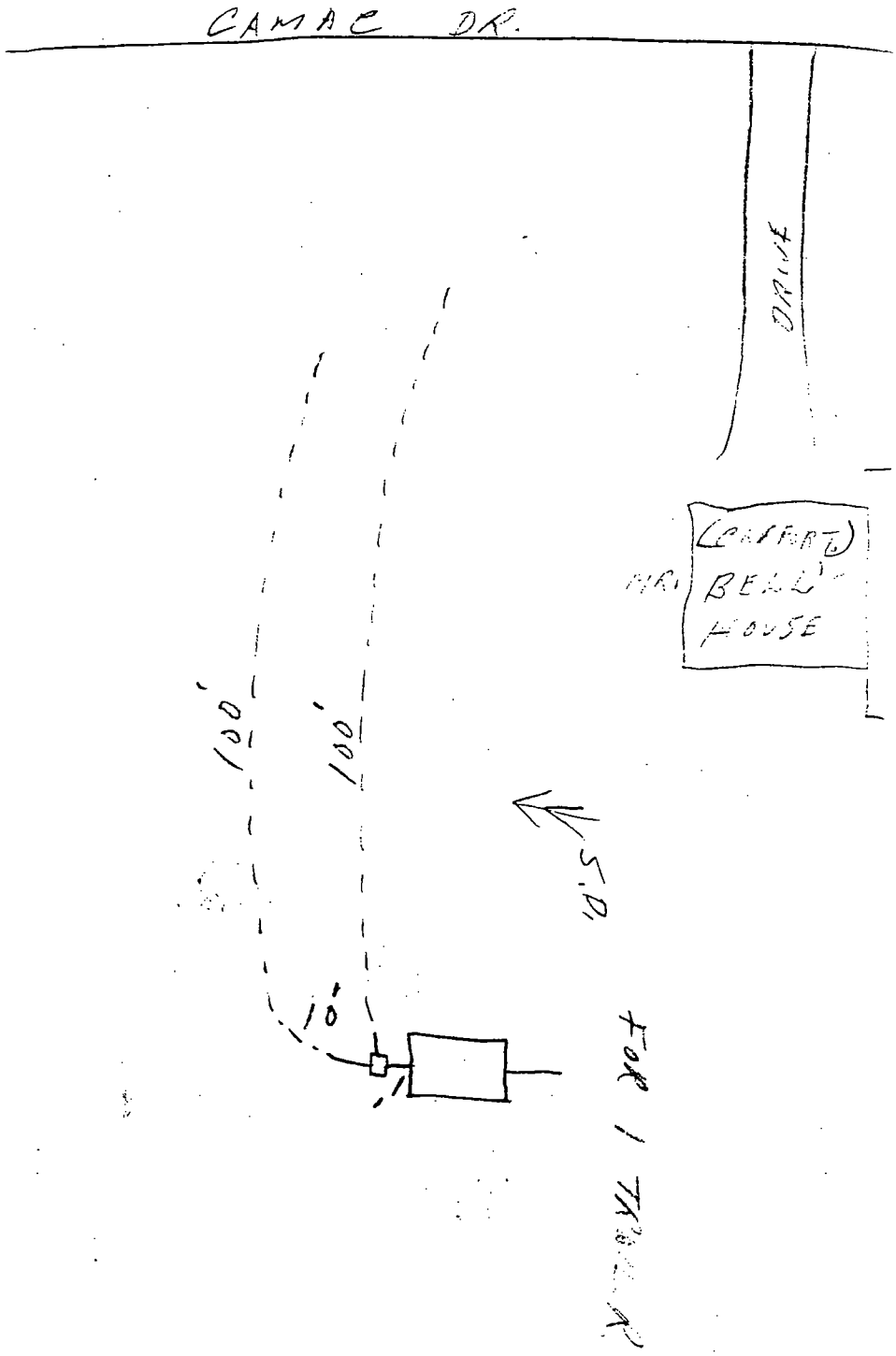
PLUMBER ____ ADDRESS ____

DATE COMPLETED 6-4-65 PERCOLATION TIME ____ MINUTES.

INSPECTOR [illegible]

EH 4. 6-1

SKETCH ON BACK


CAMAC DR.
DRIVE
(CARPORT)
BELL
HOUSE
100'
100'
10'
S.D.
FOR 1 TRAILER

FOR 1 HOUSE TRAILER

GEORGIA DEPARTMENT OF PUBLIC HEALTH

MR. BELL'S HOUSE SEPTIC TANK RECORD

NAME MR. GERALD STYLE Address OAMAC DR. ATHENS, GA

WATER SUPPLY: CITY ✓; OTHER ____.

TANK SIZE: LENGTH 6 FEET; WIDTH 3 FEET; LIQUID DEPTH 4 FEET.

FIELD: TOTAL LENGTH 200 FEET; NO. OF LINES 2; LENGTH EACH LINE 100 FEET.

TRENCH WIDTH 30 INCHES; DEPTH OF TITLE 15-30 INCHES

FILTER MATERIAL: GRAVEL ____; BROKEN STONE ✓; CINDERS ____; OTHER ____.

CONTRACTOR MR. JOHN M. HALL ADDRESS STATHAM, GA.

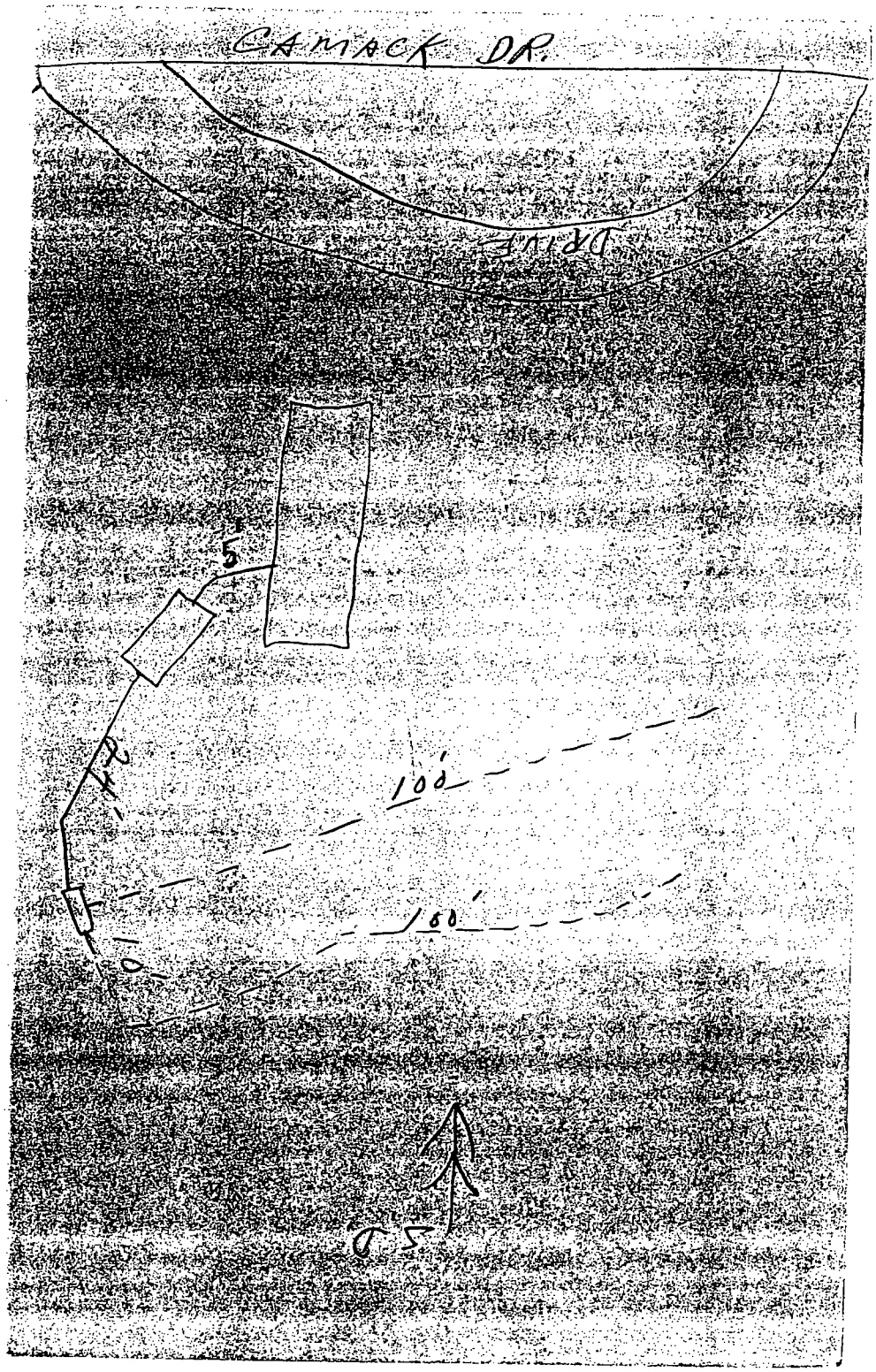
PLUMBER ____ ADDRESS ____

DATE COMPLETED 10-27-64 PERCOLATION TIME ____ MINUTES.

INSPECTOR [signature]

EH 4. 6-1

SKETCH ON BACK


CAMACK DR.
DRIVE
5'
24'
10'
100'
100'
SD

SEPTIC TANK RECORD

NAME [illegible] ADDRESS [illegible]

WATER SUPPLY: CITY ✓; OTHER ____.

TANK SIZE: LENGTH 7 FEET; WIDTH [illegible] FEET; LIQUID DEPTH 4 FEET.

FIELD: TOTAL LENGTH 200 FEET; NO. OF LINES 2; LENGTH EACH LINE 100 FEET.

TRENCH WIDTH 30 INCHES; DEPTH OF TILE 30 INCHES

FILTER MATERIAL: GRAVEL ____; BROKEN STONE ✓; CINDERS ____; OTHER ____.

CONTRACTOR [illegible] ADDRESS [illegible]

PLUMBER ____ ADDRESS ____

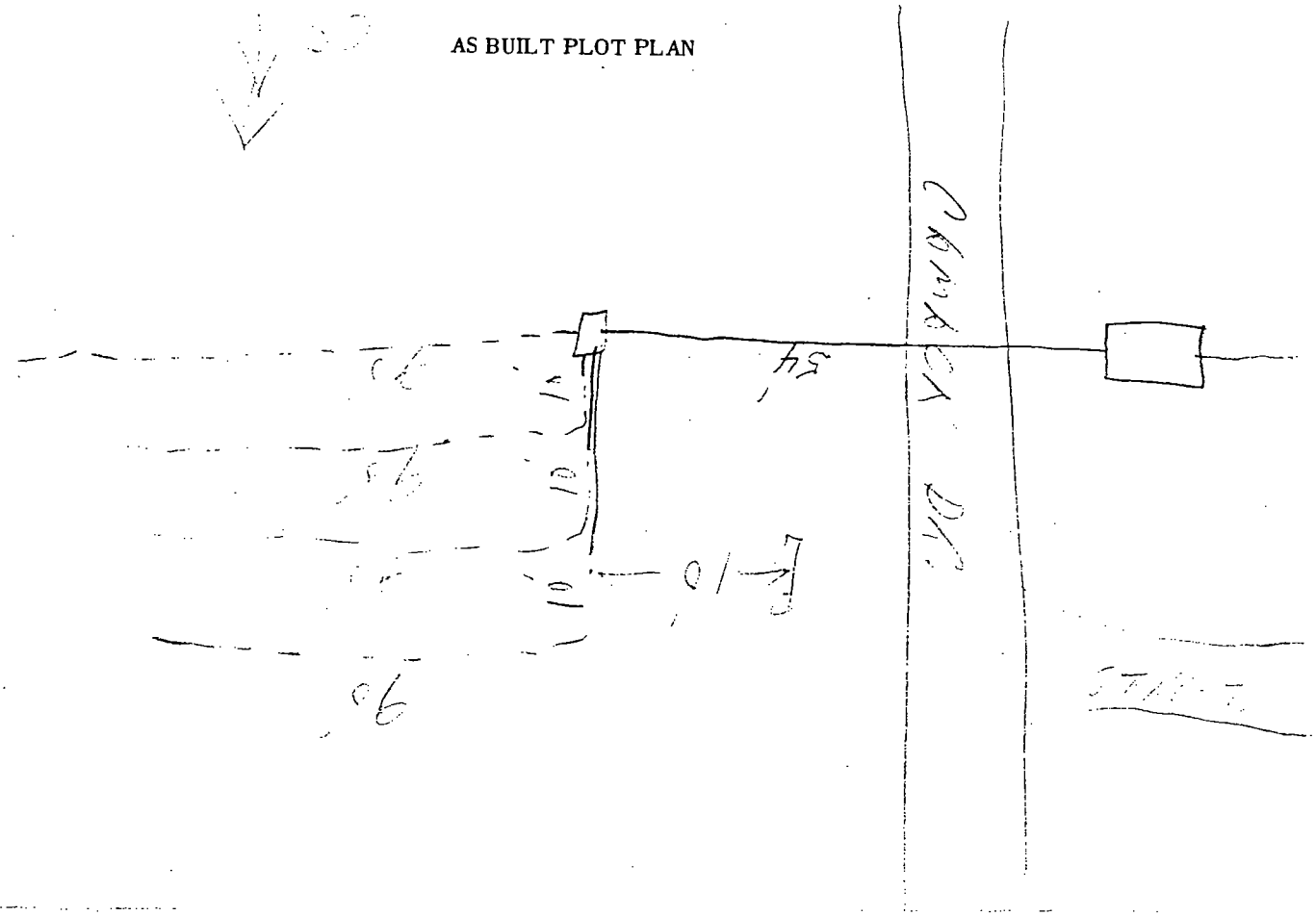
DATE COMPLETED [illegible] PERCOLATION TIME ____ MINUTES.

INSPECTOR [illegible]

EH 4.61

SKETCH ON BACK

AS BUILT PLOT PLAN



GEORGIA DEPARTMENT OF PUBLIC HEALTH
Individual Water And Sewage Record

TYPE OF ESTABLISHMENT: TRAILS	COUNTY: CLARKE
LOCATION (ADDRESS): CRAMER DR. (CRAMER TRAILER CT.)	
OWNER'S NAME: MR. CHET CRESSMAN	OWNER'S ADDRESS: ATHENS, GA.
NUMBER OF PERSONS SERVED:	DESIGN LOADING: TWO TRAILERS
HAS A CONSTRUCTION PERMIT BEEN ISSUED FOR? WATER: ☐ YES, ☐ NO; SEWAGE: ☑ YES, ☐ NO	HAS INSTALLATION BEEN APPROVED FOR? WATER: ☐ YES, ☐ NO; SEWAGE: ☑ YES, ☐ NO

WHAT IS THE DISTANCE FROM THIS SITE TO:

PUBLIC WATER ✓ FT.; PUBLIC SEWAGE FT.

NAME OF SUBDIVISION	LOT NUMBER	BLOCK

COMMENTS

EH 4.6-1 (revised 11-65)

Individual Water Supply System

TYPE WELL: ☐ Dug ☐ Driven ☐ Bored ☐ Drilled ☐ Spring

DISTANCE OF WELL OR SPRING FROM:

Building Foundation . . . . . _____ Ft.
Nearest Lot Line ☐ Front, ☐ Side, ☐ Rear . . _____ Ft.
Sewer, ☐ Iron, ☐ Clay, ☐ Concrete, ☐ _____ _____ Ft.
Septic tank . . . . . _____ Ft.
Tile Field . . . . . _____ Ft.
Other Pollution (Specify) . . . . . _____ Ft.

CONSTRUCTION

Diameter _____ In. Depth _____ Ft.
Casing Material _____ Casing Depth _____ Ft.
Depth To Pumping Level _____ Ft. Yield _____ GPM.
Water Tight Seal To _____ Feet Deep
Casing Backfill Material _____
Well Cover Material _____
Is Well Cover Water Tight? ☐ Yes, ☐ No

PUMP

☐ Shallow, ☐ Deep Well; Capacity _____ GPM.
Located: ☐ Above Ground, ☐ In Basement, ☐ In Pit, ☐ in Well
Is Pump Room Drained to Surface? ☐ Yes, ☐ No
Is Pump Mounting Water Tight? ☐ Yes, ☐ No

STORAGE

Pressure _____ Gravity _____
Storage Capacity _____ Gallons

BACTERIOLOGICAL EXAMINATION

Date _____
Results: ☐ Satisfactory, ☐ Unsatisfactory

REMARKS _____

DATE APPROVAL ISSUED _____
Inspected By _____
Title _____
Date of Inspection _____

Individual Sewage Disposal System

SEPTIC TANK

Material CONCRETE
Total Capacity 735 Gallons
Number of Compartments 1
Capacity of Inlet Compartment _____ Gals.
Inside Length 7 Ft.
Inside Width 3½ Ft.
Liquid Depth 4 Ft.

TILE FIELD

Distance From Foundation NA Feet Between Lines 10 Ft.
Nearest Lot Line: ☐ Side, ☐ Front, ☐ Rear 5 Ft. 10 Ft.
No. of Lines 4 Trench Width 30 In.
Length each Line 90 Trench Depth 24-30 In.
Filter Material: ☐ Gravel, ☑ Cr. Stone
Depth: Below Tile 4 In.; Above Tile 2 In.
Total Absorption Area 900 Sq. Ft.

PERCOLATION TESTS (Date) _____
(Show Location of Test Holes on Plot Plan)
Results: _____ Min/in _____ Min/in
_____ Min/in _____ Min/in

TEST MADE BY _____
Title _____
Reg. Number _____

REMARKS [illegible]

DATE APPROVAL ISSUED [illegible]
INSPECTED BY [illegible]
Title [illegible]
Date 9-5-[illegible]

Georgia Department of Human Resources

ON-SITE SEWAGE MANAGEMENT SYSTEM INSPECTION REPORT

County Code (1–3)	Construction Permit (4–8)	Case Number (FHA, VA, etc.) (9–20)	Health Dist. (21–22)	Day (23–24)	Month (25–26)	Year (27–28)
029	9469R		10	11	05	00

Property Location	Property Owner / Sewage Disposal Contractor	County
Oakwood MHP Lots 220 & 230	Jeff McElheney / Harold Allen	Clarke

ALL ITEMS: Blank = Not Applicable; 0 = Unknown *ITEMS: 1 = Yes; 2 = No

SECTION A – GENERAL

1. Type Water Supply: (1) Public, (2) Community, (3) Indiv. — 1
2. Financial Assistance: (1) FHA, (2) VA, (3) Farmers Home, (4) Conventional, (5) Other — 29
3. House Structure: (1) New, (2) Existing < 1 year, (3) Existing > 1 year — 30 — 3
4. Sewage Disposal Installation: (1) New, (2) Repair to existing sys. — 31 — 2
5. If Repair of Existing System – Years System Installed: (1) < 1 year, (2) 1 – 2, (3) 2 – 3, (4) 3 – 5, (5) 5 – 10, (6) >10 — 32 — 6
6. Percolation Rate Min./In.: — 33 — 45
7. *Is Property Part of a Subdivision: — 34 35 — 1

SECTION B – FACILITY

1. **Type Facility: See Code Below — 36 — 10
2. Water Usage Determined by: (1) No. Bedrooms, (2) No. Gallons — 37 38 — 1
3. Number Bedrooms or Gallons: total — 39 — 0005

SECTION C – LOT SIZE — 40 41 42 43

1. Lot Depth (Average):
2. Lot Width (Average):
3. Building Line (Feet):

SECTION D – PRIMARY TREATMENT

1. Sewage Disposal Method: (1) Septic Tank, (2) Construction Privy, (3) Pit Privy, (4) Aerobic Unit, (5) Other — 44 — 1
2. Septic Tank Capacity (gallons): New — 45 46 47 48 — 1500
3. Unit 1 Tank/Compartment Capacity:
4. Septic Tank Inside Length (feet): — 49 50 51 52 — 12
5. Septic Tank Inside Width (feet): — 5
6. Septic Tank Liquid Depth (feet): — 4
7. Septic Tank Material: (1) Precast concrete, (2) Poured in place, (3) Other — 53 — 1
8. Dosing Tank Capacity (gallons):
9. Grease Trap Capacity (gallons): — 54 55 56
10. Distance Septic Tank from Well: — 57 58 59

SECTION E – SECONDARY TREATMENT

1. Field Layout Method: (1) Distribution Box, (2) Level Field, (3) Serial, (4) Mound, (5) Other Chamber (Hancor) — 60 — 5
2. Absorption Field:
   a. Total Square Feet — 61 62 63 64 — 900
   b. Total Linear Feet — 300
   c. Length each Trench (feet) — 65 66 67 68
   d. Width of Trenches (inches)
   e. Number of Trenches — 69 70 — 6
   f. Distance between Trenches
   g. Average Trench Depth (inches)
   h. * Aggregate Proper Size
   i. * Aggregate Proper Depth
   j. Distance from Building Foundation
   k. Nearest Property Line: (1) Front, (2) Rear, (3) R. Side, (4) L. Side
   l. Distance Nearest Property Line
   m. Distance Privy or Absorption Field from Well

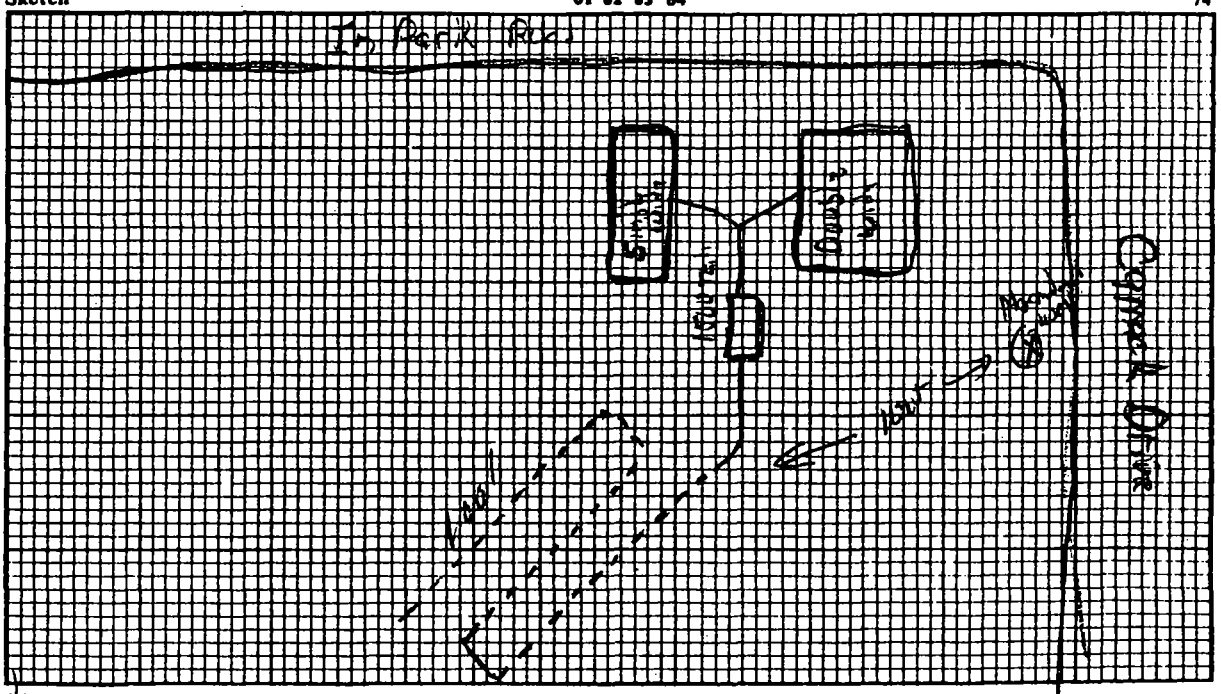
SECTION F – HEALTH AGENCY TIME

1. Total Inclusive Time (min.):

SECTION G – SYSTEM APPROVED — 71 72 73

1. * Yes
2. No

Sketch — 74



1.**Type Facility
(1) Residence
(2) Apartment
(3) Institution
(4) Service Station
(5) Restaurant
(6) Church
(7) Tourist Accommodation
(8) Launderette
(9) Mobile Home Park
(10) Other (Specify) MHP

4½ needed

Remarks: Hancor System

Inspected By:	Title	Health Agency
[illegible]	EHS II	Clarke

Form 3884 (Rev. 5-84)

Georgia Department of Human Resources

ON-SITE SEWAGE MANAGEMENT SYSTEM INSPECTION REPORT

County Code (1–3)	Construction Permit (5–8)	Case Number (FHA, VA, etc.) (9–20)	Health Dist. (21–22)	Day (23–24)	Month (25–26)	Year (27–28)
029	9470 R		10	15	05	00

Property Location	Property Owner / Sewage Disposal Contractor	County
Oakwood MHP Lots 240 & 250 215 Campbell Drive	Jeff McElheney Harold Allen	Clarke

ALL ITEMS: Blank = Not Applicable; 0 = Unknown *ITEMS: 1 = Yes; 2 = No

SECTION A – GENERAL

1. Type Water Supply: (1) Public, (2) Community, (3) Indiv. — 1 (29)
2. Financial Assistance: (1) FHA, (2) VA, (3) Farmers Home, (4) Conventional, (5) Other — (30)
3. House Structure: (1) New, (2) Existing < 1 year, (3) Existing > 1 year — 1 (31)
4. Sewage Disposal Installation: (1) New, (2) Repair to existing sys. — 1 (32)
5. If Repair of Existing System – Years System Installed: (1) < 1 year, (2) 1 – 2, (3) 2 – 3, (4) 3 – 5, (5) 5 – 10, (6) >10 — (33)
6. Percolation Rate Min./In.: — 45 (34 35)
7. *Is Property Part of a Subdivision: — 1 (36)

SECTION B – FACILITY

1. **Type Facility: See Code Below — 10 (37 38)
2. Water Usage Determined by: (1) No. Bedrooms, (2) No. Gallons — 1 (39)
3. Number Bedrooms or Gallons: — 0004 (40 41 42 43)

SECTION C – LOT SIZE

1. Lot Depth (Average):
2. Lot Width (Average):
3. Building Line (Feet):

SECTION D – PRIMARY TREATMENT

1. Sewage Disposal Method: (1) Septic Tank, (2) Construction Privy, (3) Pit Privy, (4) Aerobic Unit, (5) Other — 1 (44)
2. Septic Tank Capacity (gallons): New — 1500 (45 46 47 48)
3. Unit 1 Tank/Compartment Capacity:
4. Septic Tank Inside Length (feet): — 10.0 (49 50 51 52)
5. Septic Tank Inside Width (feet): — 5.0
6. Septic Tank Liquid Depth (feet): — 4.0
7. Septic Tank Material: (1) Precast concrete, (2) Poured in place, (3) Other — 1 (53)
8. Dosing Tank Capacity (gallons):
9. Grease Trap Capacity (gallons): (54 55 56)
10. Distance Septic Tank from Well: (57 58 59)

SECTION E – SECONDARY TREATMENT

1. Field Layout Method: (1) Distribution Box, (2) Level Field, (3) Serial, (4) Mound, (5) Other Hancor chamber — 5 (60)
2. Absorption Field:
   a. Total Square Feet — 476 (61 62 63 64)
   b. Total Linear Feet — 924
   c. Length each Trench (feet) (65 66 67 68)
   d. Width of Trenches (inches)
   e. Number of Trenches (69 70)
   f. Distance between Trenches
   g. Average Trench Depth (inches) — 45
   h. * Aggregate Proper Size
   i. * Aggregate Proper Depth
   j. Distance from Building Foundation
   k. Nearest Property Line: (1) Front, (2) Rear, (3) R. Side, (4) L. Side
   l. Distance Nearest Property Line
   m. Distance Privy or Absorption Field from Well

SECTION F – HEALTH AGENCY TIME

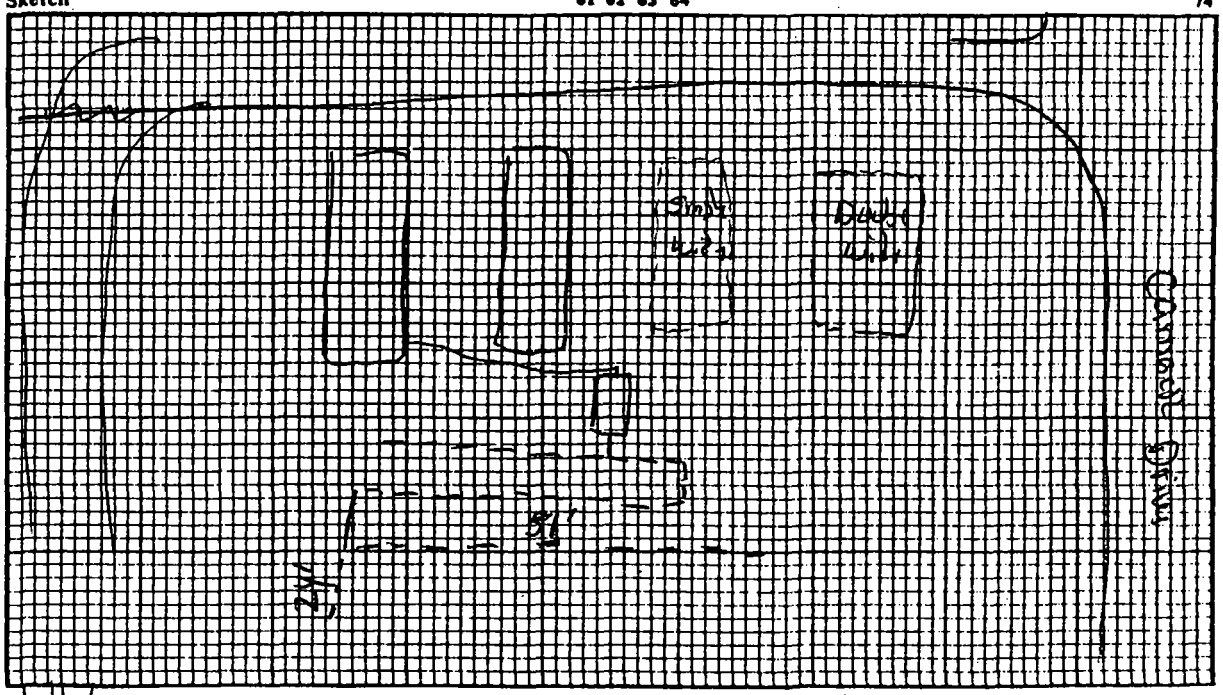
1. Total Inclusive Time (min.): (71 72 73)

SECTION G – SYSTEM APPROVED

1. * Yes
2. No

(74)

Sketch



1.**Type Facility
(1) Residence
(2) Apartment
(3) Institution
(4) Service Station
(5) Restaurant
(6) Church
(7) Tourist Accommodation
(8) Launderette
(9) Mobile Home Park
(10) Other (Specify) MHP

15 - 24 mobile
50 home

Remarks: Hancor Installed

Inspected By	Title	Health Agency
[illegible]	EHem	Clarke

Form 3884 (Rev. 5-84)

Georgia Department of Natural Resources
2 Martin Luther King Jr. Dr., S.E., Suite 1154, Atlanta, Georgia 30334
Lonice C. Barrett, Commissioner
Environmental Protection Division
Harold F. Reheis, Director
404/656-7802

July 30, 2002

SAMPLING TRIP REPORT

SITE NAME AND LOCATION:	Oakwood Mobile Home Park 215 Camak Drive Athens, Georgia 30607
EPA I.D. NUMBER:	GAN000407412
TRIP BY:	Brooke Davis, Environmental Specialist bmd
ACCOMPANIED BY:	Stacey Box, Senior Geologist Alex Olewicz, Engineer
DATE OF TRIP:	June 25, 2002
PURPOSE OF TRIP:	Soil Sampling for Combined PA/SI
OFFICIALS CONTACTED:	Jeff and Jill McElheney, Oakwood Park
REFERENCES:	Pre-CERCLIS Screening Assessment Form Site Investigation- Athens Grain Elevator

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The Oakwood Mobile Home Park was established in the late 1950's and consists of approximately fifteen (15) mobile homes with approximately 16 to 30 residents located in a residential/industrial area. The Oakwood Mobile Home Park site, specifically the septic tank system and the area around the former drinking water well, was identified as a possible source of hazardous constituents by the January 2002, Athens Grain Elevator Site Inspection Report prepared by Bob Pierce of the Georgia Environmental Protection Division (GAEPD) (photos 4, 5). The purpose of this trip was to sample areas of soil located around the septic tanks for any possible contamination that could have contributed to the groundwater contamination found in the well at the site.

Upon arriving at the site, the sampling team (consisting of Brooke Davis, Stacey Box and Alex Olewicz) set up our equipment at the background location (photo 1). Jeff and Jill McKlheney arrived at the site around 10:00 a.m. to guide EPD personnel around potential underground utilities and septic systems. Box and Olewicz continued GeoProbe preparations while the McKlheneys guided Davis around the property. The McKlheneys were able to indicate locations of underground gas and water lines, as well as approximate locations of the septic systems. The locations of the

samples were altered from the proposed SAP to fit in the septic system area. Three (3) locations were chosen inside of the drainage field and were determined to be safe for drilling and sampling.

Sampling began at the background location around 11:00 a.m. Each sample taken during the entire event was measured from a landmark. For example, the background location was taken 52.10 feet from Camak Drive. Locations 1- 3 were measured from a distinguishable large oak tree; location 4 was taken from the nearby abandoned (contaminated) drinking water well.

Below is a table of the samples locations, sample numbers, times, relative distances:

Location	Sample Number	Time	Distance
Background (photo 1)	9048 – surface	11:20 a.m.	52.10 feet from Camak Drive
Background	9049 – subsurface	11:30 a.m.	52.10 feet from Camak Drive
Location 1 (photo 2)	9056 – surface	12:15 p.m.	47.2 feet from large oak tree (see photo)
Location 1	9057 – subsurface	12:30 p.m.	47.2 feet from large oak tree (see photo)
Location 2 (photo 3)	9051 – surface	2:15 p.m.	47.3 feet from large oak tree (see photo)
Location 2	9053 – subsurface	2:30 p.m.	47.3 feet from large oak tree (see photo)
Location 3 (photo 4)	9054 – surface	3:30 p.m.	56.4 feet from large oak tree
Location 3	9055 – subsurface	3:45 p.m.	56.4 feet from large oak tree
Location 4 (photos 5-6)	9050 – surface	4:15 p.m.	50 feet from contaminated well (closed)

At each sample location, EPD obtained samples from the surface (0-2 feet) and the subsurface (approximately 8 feet) with the exception of location 4. EPD did not obtain a subsurface sample from location 4 due to the proximity of underground utilities (photos 5 & 6). At approximately 5:00 p.m., EPD concluded the sampling event. A light decontamination of the GeoProbe equipment was performed before leaving the site.

Copies of the laboratory analysis requests and chain of custody record are attached. Several years ago, the Georgia Geologic Survey installed three monitoring wells at the site and these wells are sampled on a routine basis providing groundwater data for the site. Thus, no groundwater samples were obtained during this sampling event.

FOLLOW-UP REQUIRED:

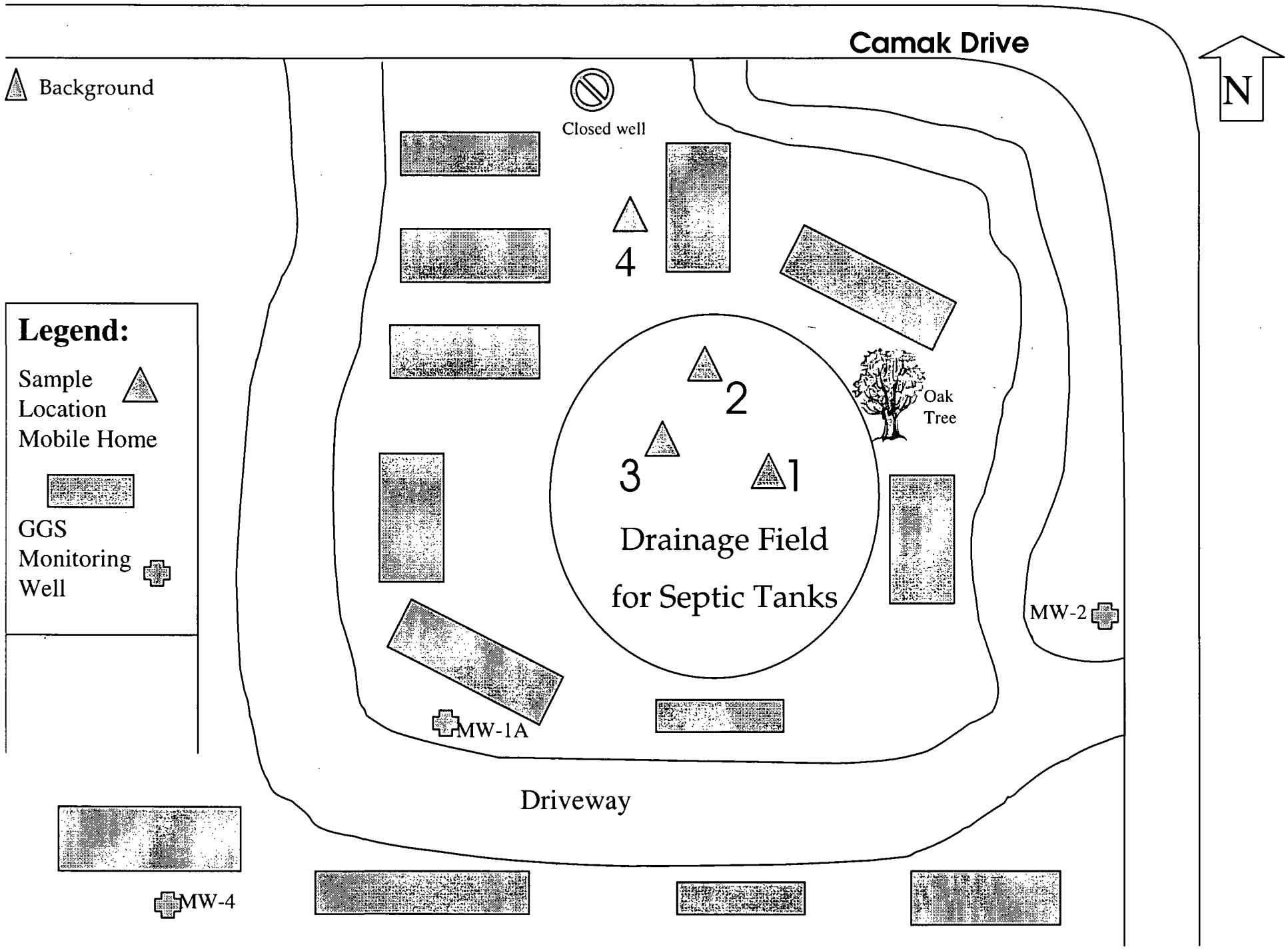
Upon receipt of laboratory analysis, EPD will interpret the data/results and begin to prepare the Preliminary Assessment/Site Investigation report. After internal review, the report will be submitted to US EPA.

ATTACHMENTS: Map of Oakwood Mobile Home Park (with sampling locations)
Six (6) photos
Laboratory analysis requests
Chain of custody record

REVIEWED BY: Madeleine Kellam

Madeleine Kellam
Unit Coordinator

S:\RDRIVE\BROOKE\OAKWOODPASI\SAMPLINGTRIP.DOC


Camak Drive
N
Background
Closed well
4
2
3
1
Oak Tree
Drainage Field for Septic Tanks
MW-2
MW-1A
Driveway
MW-4
Legend:
Sample Location
Mobile Home
GGS Monitoring Well

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9048

File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

background - shallow

Applicable Hazardous Waste Codes (if known): _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB):		Date:		Reviewed By (EPD Lab):	
Approved By:(HWMB):		Date:		Date (EPD Lab):	

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9049

File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

background - subsurface

Applicable Hazardous Waste Codes (if known) _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB):		Date:		Reviewed By (EPD Lab):	
Approved By:(HWMB):		Date:		Date (EPD Lab):	

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9050

File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample including Source and Known Properties (e.g. pH, concentration);

surface soil b/t septic tank & well

Applicable Hazardous Waste Codes (if known)

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB): _____ **Date:** _____ **Reviewed By (EPD Lab):** _____

Approved By:(HWMB): _____ **Date:** _____ **Date (EPD Lab):** _____

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9051

File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ **Other (specify)** _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc 2 Shallow/Surf.

Applicable Hazardous Waste Codes (If known): _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

Organics Special Requests: _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB):		Date:		Reviewed By (EPD Lab):	
Approved By:(HWMB):		Date:		Date (EPD Lab):	

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9052

File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

did not use

Applicable Hazardous Waste Codes (if known) _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB):		Date:		Reviewed By (EPD Lab):	
Approved By:(HWMB):		Date:		Date (EPD Lab):	

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9053

File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ **Other (specify)** _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc. 2 subsurf.

Applicable Hazardous Waste Codes (if known) _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB):		Date:		Reviewed By (EPD Lab):	
Approved By:(HWMB):		Date:		Date (EPD Lab):	

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9054

File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc 3 surface

Applicable Hazardous Waste Codes (if known) _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB): _____ **Date:** _____ **Reviewed By (EPD Lab):** _____

Approved By:(HWMB): _____ **Date:** _____ **Date (EPD Lab):** _____

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9055

File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc 3 subsurface

Applicable Hazardous Waste Codes (if known) _____

Special Procedures: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB): _____ **Date:** _____ **Reviewed By (EPD Lab):** _____

Approved By:(HWMB): _____ **Date:** _____ **Date (EPD Lab):** _____

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9056

File a separate Request Sheet for each sample point)

Analysis Needed By: **Routine** ✓ **Other (specify)** _____

Sample Description (check one)

Waste		**Soil/Sediment**	✓	**Sludge**	
Ground Water		**Surface Water**		**Drinking Water Well**	

Concentration of Organics Requested (estimated): **High** ___ **Low** ___ **Other (e.g., rinse blank - specify)** _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

drainage field Location 1 surface

Applicable Hazardous Waste Codes (if known) _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles		**Pesticides**	
Semi-Volatiles (Acid & Base/Neutral)		**Herbicides**	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		**Additional Metals for TCLP:**	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB): _____ **Date:** _____ **Reviewed By (EPD Lab):** _____
Approved By:(HWMB): _____ **Date:** _____ **Date (EPD Lab):** _____

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9057

File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ **Other (specify)** _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

drainage field location / subsurface

Applicable Hazardous Waste Codes (if known) _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB): _____ **Date:** _____ **Reviewed By (EPD Lab):** _____

Approved By:(HWMB): _____ **Date:** _____ **Date (EPD Lab):** _____

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9058

File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment ✓ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

did not test

Applicable Hazardous Waste Codes (if known) _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles _____ Pesticides _____
Semi-Volatiles (Acid & Base/Neutral) _____ Herbicides _____
Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____ Additional Metals for TCLP: _____
Mercury _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9059

File a separate Request Sheet for each sample point)

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

did not use

Applicable Hazardous Waste Codes (if known): _____

Special Precautions: _____

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB): _____ **Date:** _____ **Reviewed By (EPD Lab):** _____

Approved By:(HWMB): _____ **Date:** _____ **Date (EPD Lab):** _____

REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Trip Blank

Sample Collected By/Phone: E.P.D. - Laboratory

Collection Date: 6/21/02 **LAB No.** _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: _____

File a separate Request Sheet for each sample point)

Trip Blank (1) / Oakwood (Soil)

Analysis Needed By: Routine _____ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment _____ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High __ Low __ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

Applicable Hazardous Waste Codes (If known) _____ _____ _____

Special Precautions:

ANALYSIS REQUESTED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could result)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral) _____
Volatiles ✓
Pesticides _____
Herbicides _____
Organophosphorous Pesticides _____
PCB _____
BETX _____
Total Petroleum Hydrocarbon _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____
Mercury _____
Metals Special Requests: _____

Organics Special Requests: _____

3. TCLP ORGANICS

Volatiles _____
Semi-Volatiles (Acid & Base/Neutral) _____
Pesticides _____
Herbicides _____
Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____
Mercury _____
Additional Metals for TCLP: _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): _____

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

TAL

Chain of Custody Record

Georgia Department Of Natural Resources
Environmental Protection Division Laboratories
455 14th Street NW
Atlanta, GA 30318

Matrix Type Definition: S=Soil or Semi Solid
W=Water (Aqueous), A=Air, NA=Non Aqueous Liq. (Oil, Solvent, Etc.)

Facility: oakwood Mobile Home Park	Location: Athens, GA	Analysis Requested
Sampler Name: Brooke Davis Address: 2 MLK Jr. Dr. East Tower Suite 1154 ~~Athens~~, GA 30334 Atlanta	Phone: 404 656 7802 FAX:	

Sample Date	Sample Time	Sample Identification (Include unique sample identifier such as sample log numbers)	Matrix Type S	W	A	NA	Number of Containers Submitted
6/25	11:20	Background 9048 shallow (0-2)	✓				
6/25	11:20	Background 9049 deep (8)	✓				
6/25	12:15	drainage field loc 1 9056 surface	✓				
6/25	12:30	" " " " 9057 shallow	✓				
6/25	2:15	drainage field loc 2 9051 surface	✓				
6/25	2:30	9053 sub	✓				
6/25	3:30	drainage field loc 3 9054 surface	✓				

Relinquished By(Signature)	Date	Time	Relinquished by(Signature)	Date	Time	Relinquished by(Signature)	Date	Time
Brooke M Davis	6/26/02	10:40 am						

Received By (Signature)	Date	Time	Received By (Signature)	Date	Time	Received By (Signature)	Date	Time

Laboratory Use Only

Received For Laboratory By (Signature)	Date	Time	Custody Intact	Custody Seal No	Laboratory Remarks:
Gwen Harford-Lackey	6-26-02	10:39	Yes No	—	On ICE

J:\RECTEXT\CUST .DOC

Chain of Custody Record

Georgia Department Of Natural Resources
Environmental Protection Division Laboratories
455 14th Street NW
Atlanta, GA 30318

Matrix Type Definition: S=Soil or Semi Solid
W=Water (Aqueous), A=Air, NA=Non Aqueous Liq. (Oil, Solvent, Etc.)

Facility: Oakwood NHP	Location: Athens, GA	Analysis Requested
Sampler Name: Brooke Davis Address: 2 MLK Jr. Dr. East Tower Suite 1154 Atlanta, GA 30334	Phone: 404 656 7802 FAX:	

Sample Date	Sample Time	Sample Identification (Include unique sample identifier such as sample log numbers)	Matrix Type S	W	A	NA	Number of Containers Submitted
6/25	3:45	drainage field loc3 9055 sub	✓				
6/25	4:15	b/t drainage field 9050 surface & well	✓				

Relinquished By(Signature)	Date	Time	Relinquished by(Signature)	Date	Time	Relinquished by(Signature)	Date	Time
Brooke M Davis	6/26/02	10:40 am						
Received By (Signature)	**Date**	**Time**	**Received By (Signature)**	**Date**	**Time**	**Received By (Signature)**	**Date**	**Time**

Laboratory Use Only

Received For Laboratory By (Signature)	Date	Time	Custody Intact	Custody Seal No	Laboratory Remarks:
Sween Haynes-Lacky	6-26-02	10:39	Yes No		On ICE

J:\RECTEXT\CUST .DOC

Georgia Department of Natural Resources

Environmental Protection Division

Bottle Order Prepared By: DX

Project Name: Oakwood Mobile Home Park

Bottle Order Checked By: RCP

Date Sample Kit Prepared: 6/21/02

Collector: Brooke Davis

Analysis	Analysis Requested	# of Bottles/ Type	Preservative	Mfg.	Lot Number	EPD Doc. & Bottles Check	Sample Bottle Used?
VOC, 8260	11	1- 4 oz. Wide Mouth Jar (G^1) plus 4 Encores and one T-Handle	None	EAGLE PICHER Innovative	0283030 K111348	✓ ✓	9
SVOC, 8270	11	2- 8 oz. Wide Mouth Jars (G^1)	None	ICHEM	458453	✓	9
ICP, Metals	11	1- 500ml Wide Mouth (P^2)	None				
Organo Phosphorus Pesticides		1- 8 oz. Wide Mouth Jar (G^1)	None				
Pesticides	11	1- 8 oz. Wide Mouth Jar (G^1)	None	ICHEM	458453	✓	9
Herbicide		1- 8 oz. Wide Mouth Jar (G^1)	None				
Cyanide	11	1- 8 oz. Wide Mouth Jar (G^1)	None	ICHEM	458453	✓	9
pH		1- 4 oz. Wide Mouth Jar (G^1)	None				
Trip Blank/VOC	1	1-40ml (G^1) vial	None	ICHEM	461521	✓	1

Analysis - TCLP	Analysis Requested	# of Bottles/ Type	Preservative	Mfg.	Lot Number	EPD Doc. & Bottles Check	Sample Bottle Used?
VOC, 8260		2- 8oz. Wide Mouth Jar (G^1)	None				
SVOC, 8270		2- 8 oz. Wide Mouth Jars (G^1)	None				
ICP, Metals		1- 500ml Wide Mouth (P^2)	None				

G^1 = Borosilicate Glass P^2 = High Density Polyethylene

Sediment Sample Only

Notes:

picking bottles - 6/24/02

collect samples - 6/25/02

This is a TAL Project

Georgia Department of Natural Resources

Environmental Protection Division

Bottle Order Prepared By: DK

Project Name: Oakwood Mobile Home Park

Bottle Order Checked By: _____

Date Sample Kit Prepared: _____

Collector: Brooke Davis

Analysis	Analysis Requested	# of Bottles/ Type	Preservative	Mfg.	Lot Number	EPD Doc. & Bottles Check	Sample Bottle Used?
VOC, 8260	2	3- 40 ml G[1] Vials	HCL to pH <2	ICHEM	461521	✓	1
SVOC, 8270	2	3- 1 Liter Amber G[1]	HCL to pH <2	ICHEM	419485	✓	1
ICP, Metals	2	1- 500 ml P[2]	HNO_3 to pH <2	EAGLE PICHER	1243040	✓	1
Organo Phosphorus Pesticides		1- 1 Liter Amber G[1]	HCL to pH <2				
Pesticides	2	3- 1 Liter Amber G[1]	HCL to pH <2	ICHEM	419485	✓	1
Herbicide		3- 1 Liter Amber G[1]	HCL to pH <2				
Cyanide	2	1- 2 Liter P[2]	NaOH to pH >12	NALGENE	449488	✓	1
pH		1- 2 Liter P[2]	None				
Trip Blank/VOC	1	1- 40 ml G[1] Vial	HCL to pH <2	ICHEM	461521	✓	1

Analysis - TCLP	Analysis Requested	# of Bottles/ Type	Preservative	Mfg.	Lot Number	EPD Doc. & Bottles Check	Sample Bottle Used?
VOC, 8260		4- 16oz. Wide Mouth Jar (G[1])	None				
SVOC, 8270		2- 8 oz. Wide Mouth Jars (G[1])	None				
ICP, Metals		1- 1 Liter (P[2])	None				

G[1] = Borosilicate Glass P[2] = High Density Polyethylene

Water Sample Only

Notes:

pickup - 6/24/02
collect - 6/25/02

This is for the field and rinsate blks
This is a TAL Project

REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Trip Blank

Sample Collected By/Phone: E.P.D. - Laboratory

Collection Date: 6/21/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: _____

File a separate Request Sheet for each sample point)

Trip Blank / (2) Oakwood Equipment Blank

Analysis Needed By: Routine _____ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment _____ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High __ Low __ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

Did not use

Applicable Hazardous Waste Codes (If known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS
   - Semi-Volatiles (Acid & Base/Neutral) ✓
   - Volatiles ✓
   - Pesticides ✓
   - Herbicides _____
   - Organophosphorous Pesticides _____
   - PCB _____
   - BETX _____
   - Total Petroleum Hydrocarbon _____
   - Organics Special Requests: Cyanide ✓

2. TOTAL METALS
   - ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
   - Mercury _____
   - Metals Special Requests: _____

3. TCLP ORGANICS
   - Volatiles _____
   - Semi-Volatiles (Acid & Base/Neutral) _____
   - Pesticides _____
   - Herbicides _____
   - Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS
   - TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____
   - Mercury _____
   - Additional Metals for TCLP: _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): _____

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

TAL

SAMPLING AND ANALYSIS PLAN

Preliminary Assessment/Site Investigation
Oakwood Mobile Home Park
215 Camak Drive
Athens, Clarke County, Georgia
EPA ID# GAN000407412

Prepared For:

U.S. Environmental Protection Agency, Region IV
Atlanta Federal Building
61 Forsyth Street
Atlanta, Georgia 30303-3415

Prepared By:

Brooke M. Davis, Environmental Specialist bmd

Georgia Environmental Protection Division
Hazardous Waste Management Branch
2 Martin Luther King, Jr. Dr., East Tower, Suite 1154
Atlanta, Georgia 30334

Reviewed By:

Madeleine Kellam, Remedial Sites Unit Coordinator
Andrew Taft, CERCLA Pre-Remedial Unit Coordinator
Georgia Environmental Protection Division

May 2002

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Figure 1: Map of general site area
Figure 2: Sample Locations – Source, Surface Water, Sediment, and Groundwater
Figure 3: Septic Tank drawings/Installation information
Figures 4, 5: HSRA well location maps

Appendix A: Equipment List
Appendix B: Data Quality Objectives
Appendix C: TCL/TAL list
Appendix D: Emergency Contact Telephone Numbers

1.0 INTRODUCTION

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Reauthorization Act of 1986 (SARA), the Georgia Department of Natural Resources, Environmental Protection Division (GaEPD), Hazardous Waste Management Branch will conduct a combined Preliminary Assessment/Site Investigation at the Oakwood Mobile Home Park in Athens, Clarke County, Georgia; EPA ID# GAN000407412. The scope of this investigation will include the sampling of various environmental media to investigate the possible migration of hazardous substances from the site. The purpose of evaluating this site is to determine what, if any, releases have occurred from the septic tank at the site. Historically, solvents have been used to clean out build-up in septic tanks. The scope of this investigation will include the sampling of the soil in order to make a proper evaluation of the site.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Location

The Oakwood Mobile Home Park site is located at Camak Drive in Athens, Clarke County, Georgia. The latitude and longitude of the mobile home park are 33° 59' 24.73" north and 83° 25' 24.82" west, as shown on the USGS 7.5 Minute Athens West Quadrangle (Reference 1). A total population of 45, 021 was derived from 1990 census data (Reference 2). The site is bordered on the south by Athens Grain Elevator. The eastern adjoining property is woods. The northern and western border of the property is defined by residential neighborhoods. The Southeast Terminals site is located to southeast of the site (Figure 1). The area is characterized by a mild climate. Summers are hot and humid with daily average temperatures reaching 95° F. The winters are generally mild with daily minimum temperatures a low as 32° F. Mean annual precipitation is nearly 49 inches (Reference 3).

2.2 Site Description, Operational History and Waste Characteristics

The park, established in the late 1950's, consists of fifteen (15) mobile homes, approximately 16 to 30 people, set in a residential area. The January 2002, "Athens Grain Elevator Site Inspection Report," prepared by Bob Pierce of the Georgia Environmental Protection Division (GAEPD), identified the Oakwood Mobile Home Park site, specifically the septic tank system and the area around the former drinking water well, as a possible source of hazardous constituents found in the groundwater which may not be attributable to the Athens Grain Elevator site, which is 600 feet south of the mobile home park. The information used to evaluate this site is from the Site Inspection Report (i.e., analytical analyses, tables, figures and references).

A mobile home park resident, the McKlheneys on 215 Camak Drive, suspected that the park's on-site drinking water well was contaminated, and on January 12, 1999, collected a water sample from their mobile home and brought it to the University of Georgia's Cooperative Extension Service Laboratory on College Station Road for analysis. The analysis indicated that the water was contaminated with chemicals. On January 19, 1999, an Egleston (Atlanta Children's Hospital) doctor formally requested that the GA EPD investigate the mobile home park well,

which did not have a drinking water permit. The residents of the park believe the well was installed around 1971 (Ref. 4). There is no written information regarding the depth of this well, but assumed to be completed in the bedrock at approximately 180 feet deep. The septic tank system, approximately ¼ acre in size, is located close to the on-site drinking water well. Groundwater is derived from local rainfall. The most reliable groundwater supply comes from bedrock fractures with the overlying soil/saprolite serving as an intermediate storage mechanism. On February 15, 1999, GA EPD obtained a groundwater sample from the public supply well at the Oakwood Mobile Home Park. Analysis of the water by the GA EPD Laboratory in Atlanta showed elevated levels (above MCL) of 1,2-dichloroethane, benzene, carbon tetrachloride and chloroform. In response to this investigation, GA EPD requested Athens-Clarke County to furnish water to the Oakwood Mobile Home Park. On February 16, 1999, this connection was completed, and the residents had city water to drink. Follow-up testing from the distribution system showed the water to be uncontaminated. In May 1999, the Georgia Geologic Survey (GGS) constructed five (5) permanent 2" monitoring wells on the property of the mobile home park and along Old Jefferson Road just south of the Athens Grain Elevator silos. As each monitoring well was constructed, a soil sample was taken at both the surface and at 5 feet below ground surface (bgs) in each well bore. No contaminants were found in the soil samples from monitoring wells 1, 2, and 5. Acetone was found at 202 μg/kg in the surface sample of MW-4. In MW-3, no contamination was found in the surface soil sample, but the following constituents were detected in the 5' bgs sample:

Constituent	Concentration (μg/kg)
Acetone	163
Benzene	5
Toluene	10
Xylene	7
1,2,4-trimethylbenzene	18

The Georgia Geologic Survey installed 5 monitoring wells on and around the site. The well construction data shows that the total depth of the wells range from 21 to 44 feet. All of the wells were designed to intercept the shallow water table and as such are completed in the soil residuum (regolith) that occurs above the bedrock. The GGS conducted five (5) rounds of groundwater sampling from these wells between June 1999 and June 2000 (Ref. 5). Most of the detected contamination occurs in monitoring wells MW-2 and MW-5. Monitoring well 2 (MW-2) is located along Camak Drive to the west of the Athens Grain Elevator and the Oakwood Mobile Home Park; MW-5 is located south of both sites. The results showed carbon tetrachloride, 1,2-dichloroethane and chloroform were detected in both MW-5 and the Oakwood Mobile Home Park well.

3.0 COLLECTION OF NON-SAMPLING DATA

Non-sampling data collection will include verifying environmental/site information and obtaining new information. During the site reconnaissance performed in May, EPD determined where the sampling locations should be. Information regarding the septic tank construction and

locations was obtained from the Athens Clarke County Health Department (Figure 3). This information, along with the presence of the owners, will determine exact soil sampling locations.

4.0 SAMPLING ACTIVITIES

The objectives of the PA/SI are to collect analytical data in order to identify hazardous substances at the site, to investigate whether hazardous substances have been released to the environment, to ascertain if any releases have impacted human health and the environment, and to attempt to distinguish releases from the Oakwood Mobile Home Park. The proposed sampling plan calls for source/soil sampling. The EPD laboratory will perform all analyses; all samples will be analyzed for the CLP constituents that are found at http://www.epa.gov/superfund/programs/clp/target.htm (VOC/SVOC TCL, Pesticides/Aroclors TCL and Metals/Cyanide TAL) except for dioxins/furans. Appendix B lists the Data Quality Objectives. Appendix C lists the TCL/TAL. Section 4.2 describes the sample locations that are identified in Figure 2.

4.1 Source Sampling

Source sampling will be conducted through soil sampling activities in and around the suspected areas of contamination at this site. The septic tank system used by the residents of the mobile home park is a possible source of contamination. According to Athens-Clarke County Health Department records (Ref. 6), the drainage field for the nine (9) septic tanks is in the same general area, which is in a circular grassy area located in the middle of the site (Figure 2). Since there are nine different septic tanks in the general area, eight (8) samples are planned to make sure that a proper characterization of the area is made. Three (3) soil borings (0-2 feet in depth) will be taken from around the top part of the tank systems. Five (5) soil cores will be attempted with the Geoprobe (approximately 8 feet deep) mainly from the north (downgradient) portions of the site. Figure 3 shows the specific information regarding each tank. The Geoprobe is not proposed to be used in the middle of the drainage field due to the buried septic tanks. The eight (8) soil sampling locations are listed below. The background soil samples will be obtained from the background area located on the Northwest corner of the site (furthest point from septic tank drainage fields). One background sample will be obtained from the surficial soil; the other background sample will come from approximately 8 feet below ground surface. Analysis will be the same as all other samples.

1) Drainage field (Southwest)
2) Top of drainage field (Middle)
3) Drainage field (Northwest)
4) Top of drainage field (North)
5) Downgradient of drainage field (N)
6) Downgradient of drainage field (NW)
7) Downgradient of drainage field (NE)
8) Top of drainage field (Southeast)

4.2 Sediment/Surface Water Sampling

There are no surface water bodies or sediment located on the Oakwood Mobile Home Park site.

4.3 Groundwater Sampling

Groundwater information from the five (5) wells that were installed by the Georgia Geologic Survey will be used to assess the groundwater at the site. There is known groundwater contamination at the site.

On December 18, 2001, representatives from EPA's Science and Ecosystem Support Division (SESD) in Athens collected one (1) groundwater sample from a private residence on 215 Derricotte Drive in Athens, approximately ½ mile from the Oakwood Mobile Home Park. The results indicated that no VOCs were detected above MCL. Data from the EPD HSRA Program shows the following data on public water system wells: 1) no wells within 2 miles of the site, 2) one well (Sandy Creek) within 2 to 3) miles, and six (Beacon [2], Evatt, Crooked Creek, Colony MHP, Charolar S/D) within 4 miles of the site (Figures 3 and 4). All wells serving a public water system in this area would be completed in the bedrock aquifer because wells completed in the soil overlying the bedrock would not yield sufficient water. No groundwater samples are proposed at this time.

4.4 Quality Assurance/Quality Control Procedures (QA/QC)

All sample collection, preservation, and chain of custody procedures utilized during sampling activities will be in accordance with the standard operating guidelines specified in the U.S. EPA Environmental Compliance Branch Region IV EISOPQAM Manual (Ref. 7). A copy of the complete Data Quality Objectives (DQO) is attached to this sampling plan as Appendix B. EPD's laboratory manager, David Jones, supplied the DQO information.

One (1) duplicate is planned for each medium to test the reliability of the sampling procedures and the results. One (1) trip blank, as well as one (1) rinsate blank will be included for all of the samples. All samples will be stored in coolers on ice until they reach the laboratory. The project manager, Brooke Davis, will maintain Chain of Custody until samples are hand delivered or shipped to the GaEPD laboratory located in Atlanta, Georgia.

4.5 Field Activities

The project manager and assigned team members are scheduled to travel to the site on June 24th, 2002. Prior site reconnaissance has been conducted to verify that planned sample locations are appropriate and accessible. Upon verifying the sample locations and after any modifications are confirmed, sampling will begin with the upgradient locations. Appropriate sample containers, per U.S. EPA guidance, will be utilized. Samples will be kept on ice (at 4°C) until delivered to the GaEPD laboratory. Proposed sample locations are shown on Figure 2.

5.0 INVESTIGATION-DERIVED WASTES PLAN

Investigation derived wastes include personal protective equipment, sampling equipment, and soil/groundwater not collected as a sample. All wastes will be managed according to generally accepted waste management practices. Personal protective equipment (level D) and sampling equipment from the GaEPD will be managed by the GaEPD laboratory.

6.0 PROJECT MANAGEMENT

The project manager and additional GaEPD project team members for this site will schedule field activities and personnel requirements, verify site access authority, and direct/oversee all field tasks. The project manager will also document and manage all collected samples. The project manager and additional project team members will perform the collection of samples.

6.1 Field Equipment/Health and Safety

Ambient air safety monitoring equipment will not be necessary. Environmental media sampling activities will be conducted in Level D personal protective equipment including disposable gloves, work boots, and regular cotton work clothes. Other items listed for this investigation (including sampling equipment) are listed in Appendix A: Equipment List. Emergency contact telephone numbers are provided in Appendix C.

6.2 Community Relations

Access issues are not expected to be encountered based upon EPD's current relationship with the site owners, Jeff and Jill McKlheney. The McKlheneys will be present during the sampling activities to help determine locations of underground piping.

The Utilities Protection Center (UPC) will be contacted on June 14, 2002 and informed of the impending work to begin on June 25, 2002. The authorization ticket number will be noted in the report. EPD will instruct the UPC representative that EPD would be on-site on June 25, 2002, and could meet with the utility representatives if they so wished, otherwise, EPD instructed UPC to mark all applicable utility lines on the property.

6.3 Project Schedule

The sampling project started in May 2002 with the development of this sampling plan and associated site reconnaissance. The sampling event is scheduled to begin June 24, 2002. The final report for the combined PA/SI report is due to EPA at the end of August 2002.

REFERENCES

1. U. S. Geological Survey, 7.5 minute series Topographic Quadrangle Map of Georgia: Athens West 1964.

2. Centracts Data, January 29, 2001, Oakwood Mobile Home Park, Athens, Clarke County, Georgia: Frost Associates.

3. Corben, Robert, Average Annual Rainfall and Runoff in Georgia, 1941-1970, Georgia Geologic Survey, Hydrologic Atlas 9, 1983.

4. Petitioned Health Consultation, Ground Water Contamination at Oakwood Mobile Home Park, Athens, Clarke County, Georgia prepared by the State of Georgia DHR and the ATSDR, November 3, 2000.

5. Georgia Geologic Survey Memorandum, February 19, 2001.

6. Athens-Clarke County Health Department- Environmental Health Section, various septic tank installation/repair records for site, 1959- 2000.

7. U.S. Environmental Protection Agency, Region IV, Environmental Investigations Standard Operating Procedures and Quality Assurance Manual (EISOPQAM), November 2001.

APPENDIX A

Equipment List

Sampling jars/containers (provided by lab)
Spoons
Latex gloves (small and large)
Steel-toed safety boots
Plastic bags
Plastic sheeting
Logbook
Extra copies of sampling plan
Ice
Trash bags
Paper towels
Field Book
Extra Large Cooler (s)
Small Cooler (s)
Camera
Extra film
Chain of custody forms
Indelible markers
½ gallon bottles of mixed Liquinox
Sample tags
Sprayer filled with deionized water
Bug spray
Bowls
Waterproof labels

APPENDIX B

EPD Laboratory Data Quality Objectives (DQOs)

Volatile Organic Chemicals (VOCs)
Semi-Volatile Organics (SVOCs)
Pesticides
Polychlorinated Biphenyls (PCBs)
Metals
Mercury
Cyanide

APPENDIX C

Target Compound List/
Target Analyte List

APPENDIX D

Emergency Contact Telephone Numbers

St. Marys Hospital
1230 Baxter Street
Athens, GA 30606
(706) 548-7581

Athens-Clarke County Fire Department
528 Crooked Creek Road
Athens, GA 30607
(706) 548-0888

Athens-Clarke County Police
3035 Lexington Road
Athens, Georgia 30605
(706) 613-3330

Utilities Protection Center
(800) 282-7411

RECEIVED
JUL 31 2002
HAZARDOUS WASTE MANAGEMENT BRANCH

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02

LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9049

File a separate Request Sheet for each sample point)

Sample ID AD69412
Location: HWMB
Description: OAKWOOD MHP / HW9049
Collector: B. DAVIS
Sample ID: AD69412

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

(background - subsurface

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓	1	4 OZ. JARS
Volatiles	✓	4	8 OZ. JARS
Pesticides	✓	1	16 OZ. JARS
Herbicides			
Organophosphorous Pesticides			
PCB	✓		
BETX			
Total Petroleum Hydrocarbon			

Organics Special Requests: 4 encores

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

TNB

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB): _____ **Date:** _____ **Reviewed By (EPD Lab):** _____
Approved By:(HWMB): _____ **Date:** _____ **Date (EPD Lab):** _____

RECPT TEMP 0.0°

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9048
File a separate Request Sheet for each sample point)

Sample ID AD69414
Location: HWMB
Description: OAKWOOD MHP / HW9048
Collector: B. DAVIS
Sample ID: AD69414

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

background - shallow

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓	1	4 OZ. JARS
Volatiles	✓	7	8 OZ. JARS
Pesticides	✓	1	16 OZ. JARS
Herbicides			
Organophosphorous Pesticides			
PCB	✓		
BETX			
Total Petroleum Hydrocarbon			

Organics Special Requests: 4 encores

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9054

File a separate Request Sheet for each sample point)

Sample ID AD69415
Location: HWMB
Description: OAKWOOD MHP / HW9054
Collector: B. DAVIS
Sample ID: AD69415

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment ✓ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc 3 surface

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓	1	4 OZ. JARS
Volatiles	✓	4	8 OZ. JARS
Pesticides	✓	1	16 OZ. JARS
Herbicides		4	encores
Organophosphorous Pesticides			
PCB	✓		
BETX			
Total Petroleum Hydrocarbon			

Organics Special Requests: _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
Mercury ✓
Metals Special Requests: _____

3. TCLP ORGANICS

Volatiles _____ Pesticides _____
Semi-Volatiles (Acid & Base/Neutral) _____ Herbicides _____
Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____ Additional Metals for TCLP: _____
Mercury _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNE

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9050

File a separate Request Sheet for each sample point)

Sample ID AD69416
Location: HWMB
Description: OAKWOOD MHP / HW9050
Collector: B. DAVIS
Sample ID: AD69416

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment ✓ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

surface soil b/t septic tank & well

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS
- Semi-Volatiles (Acid & Base\Neutral) ✓
- Volatiles ✓
- Pesticides ✓
- Herbicides _____
- Organophosphorous Pesticides _____
- PCB ✓
- BETX _____
- Total Petroleum Hydrocarbon _____

2. TOTAL METALS
- ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
- Mercury ✓
- Metals Special Requests: _____

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS

Organics Special Requests: 4 encores

3. TCLP ORGANICS
- Volatiles _____
- Semi-Volatiles (Acid & Base/Neutral) _____
- Pesticides _____
- Herbicides _____
- Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS
- TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____
- Mercury _____
- Additional Metals for TCLP: _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9053

File a separate Request Sheet for each sample point)

Sample ID AD69418
Location: HWMB
Description: OAKWOOD MHP / HW9053
Collector: B. DAVIS
Sample ID: AD69418

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment ✓ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc. 2 subsurf.

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral) ✓
Volatiles ✓
Pesticides ✓
Herbicides _____
Organophosphorous Pesticides _____
PCB ✓
BETX _____
Total Petroleum Hydrocarbon _____

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS
4 encores

Organics Special Requests: _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
Mercury ✓
Metals Special Requests: _____

3. TCLP ORGANICS

Volatiles _____ Pesticides _____
Semi-Volatiles (Acid & Base/Neutral) _____ Herbicides _____
Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____ Additional Metals for TCLP: _____
Mercury _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9056

File a separate Request Sheet for each sample point)

Sample ID AD69419
Location: HWMB
Description: OAKWOOD MHP / HW9056
Collector: B. DAVIS
Sample ID: AD69419

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment ✓ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

drainage field Location 1 surface

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral) ✓
Volatiles ✓
Pesticides ✓
Herbicides _____
Organophosphorous Pesticides _____
PCB ✓
BETX _____
Total Petroleum Hydrocarbon _____

Organics Special Requests: _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
Mercury ✓
Metals Special Requests: _____

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS
4 encores

3. TCLP ORGANICS

Volatiles _____ Pesticides _____
Semi-Volatiles (Acid & Base/Neutral) _____ Herbicides _____
Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____ Additional Metals for TCLP: _____
Mercury _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 00 °

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9051

File a separate Request Sheet for each sample point)

Sample ID AD69421
Location: HWMB
Description: OAKWOOD MHP / HW9051
Collector: B. DAVIS
Sample ID: AD69421

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment ✓ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc 2 Shallow/Surf.

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS
   - Semi-Volatiles (Acid & Base\Neutral) ✓
   - Volatiles ✓
   - Pesticides ✓
   - Herbicides _____
   - Organophosphorous Pesticides _____
   - PCB ✓
   - BETX _____
   - Total Petroleum Hydrocarbon _____

2. TOTAL METALS
   - ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
   - Mercury ✓
   - Metals Special Requests: _____

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS

Organics Special Requests: _____

4 encores

3. TCLP ORGANICS
   - Volatiles _____
   - Semi-Volatiles (Acid & Base/Neutral) _____
   - Pesticides _____
   - Herbicides _____
   - Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS
   - TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____
   - Mercury _____
   - Additional Metals for TCLP: _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9055

File a separate Request Sheet for each sample point)

Sample ID AD69422
Location: HWMB
Description: OAKWOOD MHP / HW9055
Collector: B. DAVIS
Sample ID: AD69422

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc 3 subsurface

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓		
Volatiles	✓		
Pesticides	✓		
Herbicides			
Organophosphorous Pesticides		1	4 OZ. JARS
PCB	✓		
BETX		4	8 OZ. JARS
Total Petroleum Hydrocarbon		1	16 OZ. JARS

Organics Special Requests: _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

3. TCLP ORGANICS 4 encores

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9057

File a separate Request Sheet for each sample point)

Sample ID AD69424
Location: HWMB
Description: OAKWOOD MHP / HW9057
Collector: B. DAVIS
Sample ID: AD69424

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment ✓ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

drainage field location / subsurface

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS
   - Semi-Volatiles (Acid & Base\Neutral) ✓
   - Volatiles ✓
   - Pesticides ✓
   - Herbicides _____
   - Organophosphorous Pesticides _____
   - PCB ✓
   - BETX _____
   - Total Petroleum Hydrocarbon _____

2. TOTAL METALS
   - ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
   - Mercury ✓
   - Metals Special Requests: _____

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS

Organics Special Requests: _____

4 encores

3. TCLP ORGANICS
   - Volatiles _____
   - Semi-Volatiles (Acid & Base/Neutral) _____
   - Pesticides _____
   - Herbicides _____
   - Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS
   - TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____
   - Mercury _____
   - Additional Metals for TCLP: _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNG

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Trip Blank

Sample Collected By/Phone: E.P.D. - Laboratory

Collection Date: 6/21/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: _____
File a separate Request Sheet for each sample point)

Trip Blank (1) / Oakwood (Soil)

Analysis Needed By: Routine _____ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment _____
Ground Water _____ Surface Water _____

Sample ID AD69426
Location: HWMB
Description: OAKWOOD MHP / HW TRIP BLA
Collector: EPD LAB
Sample ID: AD69426

Concentration of Organics Requested (estimated): High ___ Low ___ Other

Describe Sample Including Source and Known Properties (e.g. pH, conc

Applicable Hazardous Waste Codes (If known) _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS
   - Semi-Volatiles (Acid & Base/Neutral) _____
   - Volatiles _____
   - Pesticides _____
   - Herbicides _____
   - Organophosphorous Pesticides _____
   - PCB _____
   - BETX _____
   - Total Petroleum Hydrocarbon _____
   - Organics Special Requests: _____

2. TOTAL METALS
   - RCP Metals Scan (Ag,As,Ba,Cd,Cr,NI,Pb,Se) _____
   - Mercury _____
   - Metals Special Requests: _____

- ___ HALF GALLONS/CYANIDE
- ___ NUTRIENTS/SULFATES
- ✓ FCOL BOTTLES
- ___ METAL BOTTLES
- ___ AMBER BOTTLES
- 1 VOC VIALS B/K
- ___ SULFIDES/PHENOLS
- ___ OIL AND GREASE

3. TCLP ORGANICS
   - Volatiles _____
   - Semi-Volatiles (Acid & Base/Neutral) _____
   - Pesticides _____
   - Herbicides _____
   - Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS
   - TCLP Metals (Ag,As,Ba,Cd,Cr,NI,Pb,Se) _____
   - Mercury _____
   - Additional Metals for TCLP: _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): _____

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

TNI

TAL

RECPT TEMP: 0.0 °

REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 **LAB No.** _____

Date Submitted To Lab: 06/26/0

HWMB LOG NUMBER: _____

File a separate Request Sheet for each sample point)

Sample ID AD69427
Location: HWMB
Description: OAKWOOD MHP FIELD BLK HW
Collector: B DAVIS
Sample ID: AD69427

Analysis Needed By: Routine _____

Sample Description (check one)

Waste _____ Soil/Sediment _____ Sludge _____
Ground Water _____ Surface Water _____ "Drinking Water Well" _____

Concentration of Organics Requested (estimated): High __ Low __ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration):

1 HALF GALLONS/CYANIDE
~~NUTRIENTS/SULFATES~~
ECOL BOTTLES
1 METAL BOTTLES
6 AMBER BOTTLES
3 VOC VIALS
SULFIDES/PHENOLS
OIL AND GREASE

Applicable Hazardous Waste Codes (if known) _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results).

1. TOTAL ORGANICS

- Semi-Volatiles (Acid & Base/Neutral) ✓
- Volatiles ✓
- Pesticides ✓
- Herbicides
- Organophosphorous Pesticides
- PCB
- BETX
- Total Petroleum Hydrocarbon

Organics Special Requests: Cyanide

2. TOTAL METALS

- ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
- Mercury ✓
- Metals Special Requests:

3. TCLP ORGANICS

- Volatiles
- Semi-Volatiles (Acid & Base/Neutral)
- Pesticides
- Herbicides
- Additional Specific Organics for TCLP:

4. TCLP METALS ANALYSIS

- TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)
- Mercury
- Additional Metals for TCLP:

5. ADDITIONAL ANALYSIS REQUESTED (see list on back):

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 3.6 °

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9049

File a separate Request Sheet for each sample point)

Sample ID AD69412
Location: HWMB
Description: OAKWOOD MHP / HW9049
Collector: B. DAVIS
Sample ID: AD69412

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

(background - subsurface

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS
4 encores

Organics Special Requests: _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

TNB

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0°

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

LABORATORY REPORT

TO: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Date Collected:	6/25/2002
Time Collected:	11:20
Sample Collector:	B. DAVIS
Chlorination:	
Sample Type:	
Received By:	TNB
Date Received:	6/26/2002
Time Received:	11:28 AM
Project:	HW
Reporting Date:	7/26/2002
Received Temperature:	0.0 ° C

Sample ID:	AD69412
Facility Name:	Oakwood Mhp / Hw9049
Site ID:	HWMB
Location ID:	
Location Descr:	HW9049 BACKGROUND SUBSURFACE

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
8260 Volatiles in Soil/Sed. QC Batch 50118									
Dibromofluoromethane(Surrogate QC Std.)			EPA 8260	52	ug/kg (dw)	0.00	KDD	6/27/2002	*33 to 75*
Toluene-d8(Surrogate QC Std.)			EPA 8260	50	ug/kg (dw)	0.00	KDD	6/27/2002	*39 to 68*
Br[illegible]fluorobenzene(Surrogate QC Std.)			EPA 8260	50	ug/kg (dw)	0.00	KDD	6/27/2002	*25 to 60*
1[illegible]chloroethane-d4(Surrogate QC Std.)			EPA 8260	51	ug/kg (dw)	0.00	KDD	6/27/2002	*35 to 65*
Dichlorodifluoromethane	34334		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Chloromethane	34421		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/27/2002	
Bromomethane	34416		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/27/2002	
Vinyl Chloride	34495		EPA 8260	Not Detected	ug/kg (dw)	2.2	KDD	6/27/2002	
Chloroethane	34314		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/27/2002	
Methylene Chloride	34426		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Trichlorofluoromethane	34491		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Acetone	75059		EPA 8260	Not Detected	ug/kg (dw)	110	KDD	6/27/2002	
Dibromomethane	78756		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
trans-1,2-Dichloroethene	34549		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Iodomethane	73121		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Carbon Disulfide	78544		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,1-Dichloroethene	34504		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,1-Dichloroethane	34499		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
cis-1,2-Dichloroethene	77093		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
2,2-Dichloropropane	77170		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Bromochloromethane	77297		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Chloroform	34318		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,1-Dichloropropene	77168		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,2-Dichloroethane	34534		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	

ug/L: micrograms/liter
mg/L: milligrams/liter
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ug/kg: micrograms/kilogram
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Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
2-[illegible]none	75078		EPA 8260	Not Detected	ug/kg (dw)	110	KDD	6/27/2002	
1, [illegible]richloroethane	34509		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Carbon Tetrachloride	34299		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Vinyl Acetate	78498		EPA 8260	Not Detected	ug/kg (dw)	56	KDD	6/27/2002	
Bromodichloromethane	34330		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,2-Dichloropropane	34544		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Trichloroethene	34487		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Benzene	34237		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
cis-1,3-Dichloropropene	34702		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
trans-1,3-Dichloropropene	34697		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Dibromochloromethane	34309		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,1,2-Trichloroethane	34514		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Bromoform	34290		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,2,3-Trichloropropane	78490		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
4-Methyl-2-Pentanone	75169		EPA 8260	Not Detected	ug/kg (dw)	56	KDD	6/27/2002	
2-Hexanone	75166		EPA 8260	Not Detected	ug/kg (dw)	56	KDD	6/27/2002	
Tetrachloroethene	34478		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,3-Dichloropropane	77173		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,1,2,2-Tetrachloroethane	34519		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Toluene	34483		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,2-Dibromoethane	79749		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Chlorobenzene	34304		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Ethylbenzene	34374		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,1,1,2-Tetrachloroethane			EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Styrene	75192		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
p,m-Xylene	45510		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/27/2002	
c[illegible]ne	78362		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Isopropylbenzene	77223		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Bromobenzene	78491		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
n-Propylbenzene	77224		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
2-Chlorotoluene	77225		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,3,5-Trimethylbenzene	77226		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
4-Chlorotoluene	77277		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
tert-Butylbenzene	77353		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,2,4-Trimethylbenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
sec-Butylbenzene	77350		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,3-Dichlorobenzene	34569		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
p-Isopropyltoluene	77356		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,4-Dichlorobenzene	34574		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
n-Butylbenzene	77342		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,2-Dichlorobenzene	34539		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,2-Dibromo-3-chloropropane	99999		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,2,4-Trichlorobenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Hexachlorobutadiene	39705		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Naphthalene	34445		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
1,2,3-Trichlorobenzene	77613		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	
Methyl tert-butyl ether			EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/27/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
1 Trichlorotrifluoroethane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/27/2002	
M acetate			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/27/2002	
Cyclohexane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/27/2002	
Methylcyclohexane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/27/2002	
8270 Semi-Vol in Soil/Sed QC Batch 50455										
2-Fluorophenol(Surrogate QC Std.)			EPA 8270C	66		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 113*
Phenol-d5(Surrogate QC Std.)			EPA 8270C	72		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 125*
Nitrobenzene-d5(Surrogate QC Std.)			EPA 8270C	69		ug/kg (dw)	0.00	CLA	7/12/2002	*12 to 127*
2-Fluorobiphenyl(Surrogate QC Std.)			EPA 8270C	69		ug/kg (dw)	0.00	CLA	7/12/2002	*14 to 136*
2,4,6-Tribromophenol(Surrogate QC Std.)			EPA 8270C	73		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 133*
Terphenyl-d14(Surrogate QC Std.)		U	EPA 8270C	99		ug/kg (dw)	0.00	CLA	7/12/2002	*25 to 148*
n-Nitrosodimethylamine	34441		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Picoline	73310		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Methylmethanesulfonate	73119		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Ethylmethanesulfonate	73118		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Aniline	73185		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Phenol	34695		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Chloroethyl)ether	34276		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Chlorophenol	34589		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
1,3-Dichlorobenzene	34569		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
1,4-Dichlorobenzene	34574		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Benzyl alcohol	75212		EPA 8270C	Not Detected		ug/kg (dw)	2600	CLA	7/12/2002	
1,2-Dichlorobenzene	34539		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Chloroisopropyl)ether	34286		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Acetophenone	73272		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
4 ylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
n-Nitroso-di-n-propylamine	34428		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Hexachloroethane	34399		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Nitrobenzene	34450		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
n-Nitrosopiperidine	73129		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Isophorone	34411		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Nitrophenol	34594		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2,4-Dimethylphenol	34609		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Chloroethoxy)methane	34281		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Benzoic acid	75315		EPA 8270C	Not Detected		ug/kg (dw)	6600	CLA	7/12/2002	
2,4-Dichlorophenol	34604		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
1,2,4-Trichlorobenzene	34554		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
aa-dimethyl-Phenethylamine	73136		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Naphthalene	34445		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
4-Chloroaniline	78867		EPA 8270C	Not Detected		ug/kg (dw)	2600	CLA	7/12/2002	
2,6-Dichlorophenol	73122		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Hexachlorobutadiene	38705		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
n-Nitroso-di-n-butylamine	73159		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
4-Chloro-3-methylphenol	34455		EPA 8270C	Not Detected		ug/kg (dw)	2600	CLA	7/12/2002	
2-Methylnaphthalene	78868		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
1,2,4,5-Tetrachlorobenzene	79787		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	

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He hlorocyclopentadiene	34389		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2, richlorophenol	34624		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,4,5-Trichlorophenol	78401		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2-Chloronaphthalene	34584		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
1-Chloronaphthalene			EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2-Nitroaniline	78299		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
Dimethylphthalate	34344		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Acenaphthylene	34203		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,6-Dinitrotoluene	34629		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
3-Nitroaniline	78869		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
Acenaphthene	34208		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,4-Dinitrophenol	34619		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
4-Nitrophenol	34649		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
Dibenzofuran	75647		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pentachlorobenzene	79790		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,4-Dinitrotoluene	34614		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
1-Naphthylamine	73143		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2-Naphthylamine	73124		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,3,4,6-Tetrachlorophenol			EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Diethylphthalate	34339		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Fluorene	34384		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-Chlorophenyl-phenylether	34644		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-Nitroaniline	78870		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Diphenylamine			EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4,6-Dinitro-2-methylphenol	34660		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
n-Nitrosodiphenylamine	34436		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
1 henylhydrazine	34349		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-B nophenyl-phenylether	34639		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Phenacetin	73117		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Hexachlorobenzene	39701		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-Aminobiphenyl	73125		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pentachlorophenol	39061		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
Pronamide	73031		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pentachloronitrobenzene	81808		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Phenanthrene	34464		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Anthracene	34223		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Di-n-butylphthalate	39112		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Fluoranthene	34379		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Benzidine	39121		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pyrene	34472		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
p-Dimethylaminoazobenzene	73116		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Butylbenzylphthalate	34295		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Benzo[a]anthracene	34529		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
3,3'-Dichlorobenzidine	34634		EPA 8270C	Not Detected	ug/kg (dw)	2600	CLA	7/12/2002	
Chyrsene	34323		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Ethylhexyl)phthalate	39102		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Di-n-octylphthalate	34599		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	

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B[illegible][b]fluoranthene	34233		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
E[illegible][k]fluoranthene	34245		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
7,12-Dimethylbenz(a)anthracene	73115		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Benzo[a]pyrene	34250		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
3-Methylcholanthrene	73156		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Dibenz(a,j)acridine			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Indeno[1,2,3-cd]pyrene	34406		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Dibenz[a,h]anthracene	34559		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Benzo[g,h,i]perylene	34524		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Pyridine	73312		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Alpha-BHC	39076		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Gamma-BHC	39343		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Beta-BHC	34257		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Delta-BHC	34262		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Heptachlor	39413		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Aldrin	39333		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Heptachlor Epoxide	39423		EPA 8270C	Not Detected	ug/kg (dw)		3300	CLA	7/12/2002	
Endosulfan 1	34364		EPA 8270C	Not Detected	ug/kg (dw)		6600	CLA	7/12/2002	
Dieldrin	39383		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
p,p'-DDE	39321		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Endrin	39393		EPA 8270C	Not Detected	ug/kg (dw)		2600	CLA	7/12/2002	
Endosulfan 2	34359		EPA 8270C	Not Detected	ug/kg (dw)		6600	CLA	7/12/2002	
p,p'-DDD	39311		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Endrin Aldehyde	34369		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Endosulfan Sulfate	34354		EPA 8270C	Not Detected	ug/kg (dw)		3300	CLA	7/12/2002	
p,p'-DDT	39301		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
[illegible]ldehyde			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Ca[illegible]olactam			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
1,1'-Biphenyl			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Atrazine			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Carbazole			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
QC Batch 50041										
Cyanide in Sediment	00721		9010B/9012	Not Detected	ug/kg (dw)		11900	BS	7/2/2002	
Target analyte list for solids by ICP QC Batch 50053										
Silver	01078		6010 B	Not Detected	ug/kg (dw)		1000	LA	7/8/2002	
Aluminum	01108		6010 B	12000000	ug/kg (dw)	D	200000	LA	7/8/2002	
Arsenic	01003		6010 B	Not Detected	ug/kg (dw)		8000	LA	7/8/2002	
Barium	01008		6010 B	Not Detected	ug/kg (dw)		20000	LA	7/8/2002	
Beryllium	01013		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Calcium	00917		6010 B	Not Detected	ug/kg (dw)		500000	LA	7/8/2002	
Cadmium	01028		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Cobalt	01038		6010 B	Not Detected	ug/kg (dw)		5000	LA	7/8/2002	
Chromium	01029		6010 B	6000	ug/kg (dw)		1000	LA	7/8/2002	
Copper	01043		6010 B	Not Detected	ug/kg (dw)		2500	LA	7/8/2002	
Iron	01170		6010 B	5700000	ug/kg (dw)		10000	LA	7/8/2002	
Potassium	00938		6010 B	Not Detected	ug/kg (dw)		500000	LA	7/8/2002	

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Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
M[illegible]sium	00924		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
M[illegible]nese	01053		6010 B	28000	ug/kg (dw)	1500	LA	7/8/2002	
Sodium	00934		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
Nickel	01068		6010 B	Not Detected	ug/kg (dw)	4000	LA	7/8/2002	
Lead	01052		6010 B	14000	ug/kg (dw)	9000	LA	7/8/2002	
Antimony	01098		6010 B	Not Detected	ug/kg (dw)	12000	LA	7/8/2002	
Selenium	01148		6010 B	Not Detected	ug/kg (dw)	19000	LA	7/8/2002	
Thallium	34480		6010 B	Not Detected	ug/kg (dw)	20000	LA	7/8/2002	
Vanadium	01088		6010 B	11000	ug/kg (dw)	5000	LA	7/8/2002	
Zinc	01093		6010 B	9800	ug/kg (dw)	2000	LA	7/8/2002	
QC Batch 49961									
Mercury			EPA 7471A	Not Detected	ug/kg (dw)	100	PB	7/12/2002	
Pesticides in Sediment/Soil QC Batch 50017									
TCMX surr std			EPA 8081A	18.2	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCB surr std			EPA 8081A	43.2	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
ALDRIN			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
a-BHC			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
b-BHC			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
d-BHC			EPA 8081A	Not Detected	ug/kg (dw)	4.5	JSM	7/16/2002	
LINDANE (g-BHC)			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	50	JSM	7/16/2002	
4,4-DDE			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
4,4-DDD			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
4,4-DDT			EPA 8081A	Not Detected	ug/kg (dw)	6.5	JSM	7/16/2002	
DIELDRIN			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
E[illegible]OSULFAN I			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
E[illegible] SULFAN II			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDOSULFAN SULFATE			EPA 8081A	Not Detected	ug/kg (dw)	8.0	JSM	7/16/2002	
ENDRIN			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDRIN ALDEHYDE			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
HEPTACHLOR			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEPTACHLOR EPOXIDE			EPA 8081A	Not Detected	ug/kg (dw)	4.0	JSM	7/16/2002	
TOXAPHENE			EPA 8081A	Not Detected	ug/kg (dw)	130	JSM	7/16/2002	
CHLORPYRIFOS (DURSBAN)			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEXACHLOROBENZENE			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
METHOXYCHLOR			EPA 8081A	Not Detected	ug/kg (dw)	20	JSM	7/16/2002	
MIREX			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
gamma-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
alpha-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
PCBs in Sediments or Soils QC Batch 50018									
TCMX surr std			EPA 8082	18.2	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCBP surr std			EPA 8082	43.2	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
PCB-1016			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1221			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1232			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1242			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
PC 1248			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
P 254			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1260			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1262			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	

COMMENTS: $8270S - Sample had one surrogate compound, Terphenyl-d14 (99% recovery, limits 30.1%- 86.7%) with a recovery outside acceptable control limits due to matrix interferences. LCS results were within acceptable control limits. 7-071502-296

COMMENTS: $R_TAL_S: ICP Metals - Matrix Spike had two analytes, Aluminum (4000% recovery, limits 70-130%),and Iron (46% recovery, limits 70-130%),with a percent recovery outside acceptable control limits due to high concentration of target analytes in sample. Matrix spike had three analytes, Potassium (212% recovery, limits 70-130%),Magnesium(157% recovery, limits 70-130%), and Antimony (40.8% recovery, limits 70-130%), with a percent recovery outside acceptable control limits due to matrix interference. 2-070802-185

COMMENTS: $TAL_S: ICP Metals - Reporting limits raised due to elevated levels of target analytes in sample. 'D'- sample required dilution for this analyte. Analyzed on 07/09/02 with all QC in compliance.

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HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9048

File a separate Request Sheet for each sample point)

Sample ID AD69414
Location: HWMB
Description: OAKWOOD MHP / HW9048
Collector: B. DAVIS
Sample ID: AD69414

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

background - shallow

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓	
Volatiles	✓	
Pesticides	✓	1
Herbicides		
Organophosphorous Pesticides		
PCB	✓	4
BETX		
Total Petroleum Hydrocarbon		1

Organics Special Requests: 4 encores

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

4 OZ. JARS
8 OZ. JARS
16 OZ. JARS

3. TCLP ORGANICS

Volatiles _____ Pesticides _____
Semi-Volatiles (Acid & Base/Neutral) _____ Herbicides _____
Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____ Additional Metals for TCLP: _____
Mercury _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

LABORATORY REPORT

TO: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Date Collected:	6/25/2002
Time Collected:	11:20
Sample Collector:	B. DAVIS
Chlorination:	
Sample Type:	
Received By:	TNB
Date Received:	6/26/2002
Time Received:	11:28 AM
Project:	HW
Reporting Date:	7/26/2002
Received Temperature:	0.0 ° C

Sample ID:	AD69414
Facility Name:	Oakwood Mhp / Hw9048
Site ID:	HWMB
Location ID:	
Location Descr:	HW9048 BACKGROUND SHALLOW

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
8260 Volatiles in Soil/Sed. QC Batch 50118									
Dibromofluoromethane(Surrogate QC Std.)			EPA 8260	55	ug/kg (dw)	0.00	KDD	7/1/2002	*33 to 75*
Toluene-d8(Surrogate QC Std.)			EPA 8260	48	ug/kg (dw)	0.00	KDD	7/1/2002	*39 to 68*
Br[illegible]ofluorobenzene(Surrogate QC Std.)			EPA 8260	39	ug/kg (dw)	0.00	KDD	7/1/2002	*25 to 60*
1 [illegible]hloroethane-d4(Surrogate QC Std.)			EPA 8260	54	ug/kg (dw)	0.00	KDD	7/1/2002	*35 to 65*
Dichlorodifluoromethane	34334		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
Chloromethane	34421		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	7/1/2002	
Bromomethane	34416		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	7/1/2002	
Vinyl Chloride	34495		EPA 8260	Not Detected	ug/kg (dw)	2.3	KDD	7/1/2002	
Chloroethane	34314		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	7/1/2002	
Methylene Chloride	34426		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
Trichlorofluoromethane	34491		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
Acetone	75059		EPA 8260	190	ug/kg (dw)	110	KDD	7/1/2002	
Dibromomethane	78756		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
trans-1,2-Dichloroethene	34549		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
Iodomethane	73121		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
Carbon Disulfide	78544		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
1,1-Dichloroethene	34504		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
1,1-Dichloroethane	34499		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
cis-1,2-Dichloroethene	77093		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
2,2-Dichloropropane	77170		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
Bromochloromethane	77297		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
Chloroform	34318		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
1,1-Dichloropropene	77168		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	
1,2-Dichloroethane	34534		EPA 8260	Not Detected	ug/kg (dw)	5.7	KDD	7/1/2002	

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2-[illegible]anone	75078		EPA 8260	Not Detected	ug/kg (dw)		110	KDD	7/1/2002	
1, [illegible]richloroethane	34509		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Carbon Tetrachloride	34299		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Vinyl Acetate	78498		EPA 8260	Not Detected	ug/kg (dw)		57	KDD	7/1/2002	
Bromodichloromethane	34330		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
1,2-Dichloropropane	34544		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Trichloroethene	34487		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Benzene	34237		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
cis-1,3-Dichloropropene	34702		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
trans-1,3-Dichloropropene	34697		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Dibromochloromethane	34309		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
1,1,2-Trichloroethane	34514		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Bromoform	34290		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
1,2,3-Trichloropropane	78490		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
4-Methyl-2-Pentanone	75169		EPA 8260	Not Detected	ug/kg (dw)		57	KDD	7/1/2002	
2-Hexanone	75166		EPA 8260	Not Detected	ug/kg (dw)		57	KDD	7/1/2002	
Tetrachloroethene	34478		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
1,3-Dichloropropane	77173		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
1,1,2,2-Tetrachloroethane	34519		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Toluene	34483		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
1,2-Dibromoethane	79749		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Chlorobenzene	34304		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Ethylbenzene	34374		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
1,1,1,2-Tetrachloroethane			EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Styrene	75192		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
p,m-Xylene	45510		EPA 8260	Not Detected	ug/kg (dw)		11	KDD	7/1/2002	
[illegible]ne	78362		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Isopropylbenzene	77223		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
Bromobenzene	78491		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
n-Propylbenzene	77224		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
2-Chlorotoluene	77225		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
1,3,5-Trimethylbenzene	77226		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
4-Chlorotoluene	77277		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
tert-Butylbenzene	77353		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
1,2,4-Trimethylbenzene	34554		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
sec-Butylbenzene	77350		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
1,3-Dichlorobenzene	34569		EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	
p-Isopropyltoluene	77356		EPA 8260	Not Detected	ug/kg (dw)	J	5.7	KDD	7/1/2002	
1,4-Dichlorobenzene	34574		EPA 8260	Not Detected	ug/kg (dw)	J	5.7	KDD	7/1/2002	
n-Butylbenzene	77342		EPA 8260	Not Detected	ug/kg (dw)	J	5.7	KDD	7/1/2002	
1,2-Dichlorobenzene	34539		EPA 8260	Not Detected	ug/kg (dw)	J	5.7	KDD	7/1/2002	
1,2-Dibromo-3-chloropropane	99999		EPA 8260	Not Detected	ug/kg (dw)	J	5.7	KDD	7/1/2002	
1,2,4-Trichlorobenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	J	5.7	KDD	7/1/2002	
Hexachlorobutadiene	39705		EPA 8260	Not Detected	ug/kg (dw)	J	5.7	KDD	7/1/2002	
Naphthalene	34445		EPA 8260	Trace	ug/kg (dw)	J	5.7	KDD	7/1/2002	
1,2,3-Trichlorobenzene	77613		EPA 8260	Not Detected	ug/kg (dw)	J	5.7	KDD	7/1/2002	
Methyl tert-butyl ether			EPA 8260	Not Detected	ug/kg (dw)		5.7	KDD	7/1/2002	

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GC Mass Spec:	Steve Bryan	404-206-5260
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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
1 ' Trichlorotrifluoroethane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	7/1/2002	
M acetate			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	7/1/2002	
Cyclohexane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	7/1/2002	
Methylcyclohexane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	7/1/2002	
Total Aldehydes			EPA 8260	90	TIE	ug/kg (dw)	0.00	KDD	7/1/2002	
8270 Semi-Vol in Soil/Sed QC Batch 50455										
2-Fluorophenol(Surrogate QC Std.)			EPA 8270C	66		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 113*
Phenol-d5(Surrogate QC Std.)			EPA 8270C	68		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 125*
Nitrobenzene-d5(Surrogate QC Std.)			EPA 8270C	62		ug/kg (dw)	0.00	CLA	7/12/2002	*12 to 127*
2-Fluorobiphenyl(Surrogate QC Std.)			EPA 8270C	74		ug/kg (dw)	0.00	CLA	7/12/2002	*14 to 136*
2,4,6-Tribromophenol(Surrogate QC Std.)			EPA 8270C	74		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 133*
Terphenyl-d14(Surrogate QC Std.)		U	EPA 8270C	98		ug/kg (dw)	0.00	CLA	7/12/2002	*25 to 148*
n-Nitrosodimethylamine	34441		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Picoline	73310		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Methylmethanesulfonate	73119		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Ethylmethanesulfonate	73118		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Aniline	73185		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Phenol	34695		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Chloroethyl)ether	34276		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Chlorophenol	34589		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
1,3-Dichlorobenzene	34569		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
1,4-Dichlorobenzene	34574		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Benzyl alcohol	75212		EPA 8270C	Not Detected		ug/kg (dw)	2600	CLA	7/12/2002	
1,2-Dichlorobenzene	34539		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Chloroisopropyl)ether	34286		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
A henone	73272		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
4-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
n-Nitroso-di-n-propylamine	34428		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Hexachloroethane	34399		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Nitrobenzene	34450		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
n-Nitrosopiperidine	73129		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Isophorone	34411		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Nitrophenol	34594		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2,4-Dimethylphenol	34609		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Chloroethoxy)methane	34281		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Benzoic acid	75315		EPA 8270C	Not Detected		ug/kg (dw)	6600	CLA	7/12/2002	
2,4-Dichlorophenol	34604		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
1,2,4-Trichlorobenzene	34554		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
aa-dimethyl-Phenethylamine	73136		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Naphthalene	34445		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
4-Chloroaniline	78867		EPA 8270C	Not Detected		ug/kg (dw)	2600	CLA	7/12/2002	
2,6-Dichlorophenol	73122		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Hexachlorobutadiene	38705		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
n-Nitroso-di-n-butylamine	73159		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
4-Chloro-3-methylphenol	34455		EPA 8270C	Not Detected		ug/kg (dw)	2600	CLA	7/12/2002	
2-Methylnaphthalene	78868		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	

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1 [illegible] 5-Tetrachlorobenzene	79787		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
H. [illegible]nlorocyclopentadiene	34389		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,4,6-Trichlorophenol	34624		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,4,5-Trichlorophenol	78401		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2-Chloronaphthalene	34584		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
1-Chloronaphthalene			EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2-Nitroaniline	78299		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
Dimethylphthalate	34344		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Acenaphthylene	34203		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,6-Dinitrotoluene	34629		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
3-Nitroaniline	78869		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
Acenaphthene	34208		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,4-Dinitrophenol	34619		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
4-Nitrophenol	34649		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
Dibenzofuran	75647		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pentachlorobenzene	79790		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,4-Dinitrotoluene	34614		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
1-Naphthylamine	73143		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2-Naphthylamine	73124		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,3,4,6-Tetrachlorophenol			EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Diethylphthalate	34339		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Fluorene	34384		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-Chlorophenyl-phenylether	34644		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-Nitroaniline	78870		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Diphenylamine			EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4,6-Dinitro-2-methylphenol	34660		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
r [illegible] sodiphenylamine	34436		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
1,2 [illegible]iphenylhydrazine	34349		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-Bromophenyl-phenylether	34639		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Phenacetin	73117		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Hexachlorobenzene	39701		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-Aminobiphenyl	73125		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pentachlorophenol	39061		EPA 8270C	Not Detected	ug/kg (dw)	6600	CLA	7/12/2002	
Pronamide	73031		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pentachloronitrobenzene	81808		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Phenanthrene	34464		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Anthracene	34223		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Di-n-butylphthalate	39112		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Fluoranthene	34379		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Benzidine	39121		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pyrene	34472		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
p-Dimethylaminoazobenzene	73116		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Butylbenzylphthalate	34295		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Benzo[a]anthracene	34529		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
3,3'-Dichlorobenzidine	34634		EPA 8270C	Not Detected	ug/kg (dw)	2600	CLA	7/12/2002	
Chyrsene	34323		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Ethylhexyl)phthalate	39102		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	

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D[illegible]ctylphthalate	34599		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
E[illegible]b]fluoranthene	34233		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Benzo[k]fluoranthene	34245		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
7,12-Dimethylbenz(a)anthracene	73115		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Benzo[a]pyrene	34250		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
3-Methylcholanthrene	73156		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Dibenz(a,j)acridine			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Indeno[1,2,3-cd]pyrene	34406		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Dibenz[a,h]anthracene	34559		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Benzo[g,h,i]perylene	34524		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Pyridine	73312		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Alpha-BHC	39076		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Gamma-BHC	39343		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Beta-BHC	34257		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Delta-BHC	34262		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Heptachlor	39413		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Aldrin	39333		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Heptachlor Epoxide	39423		EPA 8270C	Not Detected	ug/kg (dw)		3300	CLA	7/12/2002	
Endosulfan 1	34364		EPA 8270C	Not Detected	ug/kg (dw)		6600	CLA	7/12/2002	
Dieldrin	39383		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
p,p'-DDE	39321		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Endrin	39393		EPA 8270C	Not Detected	ug/kg (dw)		2600	CLA	7/12/2002	
Endosulfan 2	34359		EPA 8270C	Not Detected	ug/kg (dw)		6600	CLA	7/12/2002	
p,p'-DDD	39311		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Endrin Aldehyde	34369		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Endosulfan Sulfate	34354		EPA 8270C	Not Detected	ug/kg (dw)		3300	CLA	7/12/2002	
p[illegible]DT	39301		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Be[illegible]zaldehyde			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Caprolactam			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
1,1'-Biphenyl			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Atrazine			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Carbazole			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
QC Batch 50041										
Cyanide in Sediment	00721		9010B/9012	Not Detected	ug/kg (dw)		11500	BS	7/2/2002	
Target analyte list for solids by ICP QC Batch 50053										
Silver	01078		6010 B	Not Detected	ug/kg (dw)		1000	LA	7/8/2002	
Aluminum	01108		6010 B	27000000	ug/kg (dw)	D	200000	LA	7/8/2002	
Arsenic	01003		6010 B	Not Detected	ug/kg (dw)		8000	LA	7/8/2002	
Barium	01008		6010 B	68000	ug/kg (dw)		20000	LA	7/8/2002	
Beryllium	01013		6010 B	830	ug/kg (dw)		500	LA	7/8/2002	
Calcium	00917		6010 B	Not Detected	ug/kg (dw)		500000	LA	7/8/2002	
Cadmium	01028		6010 B	650	ug/kg (dw)		500	LA	7/8/2002	
Cobalt	01038		6010 B	Not Detected	ug/kg (dw)		5000	LA	7/8/2002	
Chromium	01029		6010 B	13000	ug/kg (dw)		1000	LA	7/8/2002	
Copper	01043		6010 B	6600	ug/kg (dw)		2500	LA	7/8/2002	
Iron	01170		6010 B	17000000	ug/kg (dw)	D	100000	LA	7/8/2002	

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P[illegible]sium	00938		6010 B	640000	ug/kg (dw)	500000	LA	7/8/2002	
M[illegible]sium	00924		6010 B	540000	ug/kg (dw)	500000	LA	7/8/2002	
Manganese	01053		6010 B	470000	ug/kg (dw)	1500	LA	7/8/2002	
Sodium	00934		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
Nickel	01068		6010 B	6000	ug/kg (dw)	4000	LA	7/8/2002	
Lead	01052		6010 B	35000	ug/kg (dw)	9000	LA	7/8/2002	
Antimony	01098		6010 B	Not Detected	ug/kg (dw)	12000	LA	7/8/2002	
Selenium	01148		6010 B	Not Detected	ug/kg (dw)	19000	LA	7/8/2002	
Thallium	34480		6010 B	Not Detected	ug/kg (dw)	20000	LA	7/8/2002	
Vanadium	01088		6010 B	30000	ug/kg (dw)	5000	LA	7/8/2002	
Zinc	01093		6010 B	36000	ug/kg (dw)	2000	LA	7/8/2002	
QC Batch 49961									
Mercury			EPA 7471A	Not Detected	ug/kg (dw)	100	PB	7/12/2002	
Pesticides in Sediment/Soil QC Batch 50017									
TCMX surr std			EPA 8081A	20.6	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCB surr std			EPA 8081A	43.3	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
ALDRIN			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
a-BHC			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
b-BHC			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
d-BHC			EPA 8081A	Not Detected	ug/kg (dw)	4.5	JSM	7/16/2002	
LINDANE (g-BHC)			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	50	JSM	7/16/2002	
4,4-DDE			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
4,4-DDD			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
4,4-DDT			EPA 8081A	Not Detected	ug/kg (dw)	6.5	JSM	7/16/2002	
D[illegible]RIN			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
E[illegible]SULFAN I			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
ENDOSULFAN II			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDOSULFAN SULFATE			EPA 8081A	Not Detected	ug/kg (dw)	8.0	JSM	7/16/2002	
ENDRIN			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDRIN ALDEHYDE			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
HEPTACHLOR			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEPTACHLOR EPOXIDE			EPA 8081A	Not Detected	ug/kg (dw)	4.0	JSM	7/16/2002	
TOXAPHENE			EPA 8081A	Not Detected	ug/kg (dw)	130	JSM	7/16/2002	
CHLORPYRIFOS (DURSBAN)			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEXACHLOROBENZENE			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
METHOXYCHLOR			EPA 8081A	Not Detected	ug/kg (dw)	20	JSM	7/16/2002	
MIREX			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
gamma-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
alpha-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
PCBs in Sediments or Soils QC Batch 50018									
TCMX surr std			EPA 8082	20.6	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCBP surr std			EPA 8082	43.3	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
PCB-1016			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1221			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1232			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	

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Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
P[illegible] 1242			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
[illegible] 248			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1254			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1260			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1262			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	

COMMENTS: $8260S- Sample had one internal standard compound, 1,4-Dichlorobenzene-d4 (30% response, limits 50-200%) with area response outside acceptable control limits. All associated compounds are flagged with a "J", for estimated values. LCS results were within acceptable control limits. 7-070302-278.

COMMENTS: $8270S - Sample had one surrogate compound, Terphenyl-d14 (98% recovery, limits 30.1%- 86.7%) with a recovery outside acceptable control limits due to matrix interferences. LCS results were within acceptable control limits. 7-071502-296

COMMENTS: $TAL_S: ICP Metals - Reporting limits raised due to elevated levels of target analytes in sample. 'D'- sample required dilution for this analyte. Analyzed on 07/09/02 with all QC in compliance.

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HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9054

File a separate Request Sheet for each sample point)

Sample ID AD69415
Location: HWMB
Description: OAKWOOD MHP / HW9054
Collector: B. DAVIS
Sample ID: AD69415

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment ✓ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc 3 surface

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓	1	4 OZ. JARS
Volatiles	✓	4	8 OZ. JARS
Pesticides	✓	1	16 OZ. JARS
Herbicides		4	encores
Organophosphorous Pesticides			
PCB	✓		
BETX			
Total Petroleum Hydrocarbon			

Organics Special Requests: _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
Mercury ✓
Metals Special Requests: _____

3. TCLP ORGANICS

Volatiles _____ Pesticides _____
Semi-Volatiles (Acid & Base/Neutral) _____ Herbicides _____
Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____ Additional Metals for TCLP: _____
Mercury _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNI

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

LABORATORY REPORT

TO: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Date Collected:	6/25/2002
Time Collected:	15:30
Sample Collector:	B. DAVIS
Chlorination:	
Sample Type:	
Received By:	TNB
Date Received:	6/26/2002
Time Received:	11:28 AM
Project:	HW
Reporting Date:	7/26/2002
Received Temperature:	0.0 °C

Sample ID:	AD69415
Facility Name:	Oakwood Mhp / Hw9054
Site ID:	HWMB
Location ID:	
Location Descr:	HW9054 DRAINAGE FIELD LOC3

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
8260 Volatiles in Soil/Sed. QC Batch 50118									
Dibromofluoromethane(Surrogate QC Std.)			EPA 8260	51	ug/kg (dw)	0.00	KDD	7/1/2002	*33 to 75*
Toluene-d8(Surrogate QC Std.)			EPA 8260	49	ug/kg (dw)	0.00	KDD	7/1/2002	*39 to 68*
Br[illegible]fluorobenzene(Surrogate QC Std.)			EPA 8260	47	ug/kg (dw)	0.00	KDD	7/1/2002	*25 to 60*
1,[illegible]hloroethane-d4(Surrogate QC Std.)			EPA 8260	50	ug/kg (dw)	0.00	KDD	7/1/2002	*35 to 65*
Dichlorodifluoromethane	34334		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Chloromethane	34421		EPA 8260	Not Detected	ug/kg (dw)	12	KDD	7/1/2002	
Bromomethane	34416		EPA 8260	Not Detected	ug/kg (dw)	12	KDD	7/1/2002	
Vinyl Chloride	34495		EPA 8260	Not Detected	ug/kg (dw)	2.3	KDD	7/1/2002	
Chloroethane	34314		EPA 8260	Not Detected	ug/kg (dw)	12	KDD	7/1/2002	
Methylene Chloride	34426		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Trichlorofluoromethane	34491		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Acetone	75059		EPA 8260	Not Detected	ug/kg (dw)	120	KDD	7/1/2002	
Dibromomethane	78756		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
trans-1,2-Dichloroethene	34549		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Iodomethane	73121		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Carbon Disulfide	78544		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,1-Dichloroethene	34504		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,1-Dichloroethane	34499		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
cis-1,2-Dichloroethene	77093		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
2,2-Dichloropropane	77170		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Bromochloromethane	77297		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Chloroform	34318		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,1-Dichloropropene	77168		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,2-Dichloroethane	34534		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
2-[illegible]none	75078		EPA 8260	Not Detected	ug/kg (dw)	120	KDD	7/1/2002	
1, [illegible]richloroethane	34509		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Carbon Tetrachloride	34299		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Vinyl Acetate	78498		EPA 8260	Not Detected	ug/kg (dw)	58	KDD	7/1/2002	
Bromodichloromethane	34330		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,2-Dichloropropane	34544		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Trichloroethene	34487		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Benzene	34237		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
cis-1,3-Dichloropropene	34702		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
trans-1,3-Dichloropropene	34697		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Dibromochloromethane	34309		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,1,2-Trichloroethane	34514		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Bromoform	34290		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,2,3-Trichloropropane	78490		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
4-Methyl-2-Pentanone	75169		EPA 8260	Not Detected	ug/kg (dw)	58	KDD	7/1/2002	
2-Hexanone	75166		EPA 8260	Not Detected	ug/kg (dw)	58	KDD	7/1/2002	
Tetrachloroethene	34478		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,3-Dichloropropane	77173		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,1,2,2-Tetrachloroethane	34519		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Toluene	34483		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,2-Dibromoethane	79749		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Chlorobenzene	34304		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Ethylbenzene	34374		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,1,1,2-Tetrachloroethane			EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Styrene	75192		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
p,m-Xylene	45510		EPA 8260	Not Detected	ug/kg (dw)	12	KDD	7/1/2002	
c[illegible]ne	78362		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Isopropylbenzene	77223		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Bromobenzene	78491		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
n-Propylbenzene	77224		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
2-Chlorotoluene	77225		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,3,5-Trimethylbenzene	77226		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
4-Chlorotoluene	77277		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
tert-Butylbenzene	77353		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,2,4-Trimethylbenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
sec-Butylbenzene	77350		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,3-Dichlorobenzene	34569		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
p-Isopropyltoluene	77356		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,4-Dichlorobenzene	34574		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
n-Butylbenzene	77342		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,2-Dichlorobenzene	34539		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,2-Dibromo-3-chloropropane	99999		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,2,4-Trichlorobenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Hexachlorobutadiene	39705		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Naphthalene	34445		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
1,2,3-Trichlorobenzene	77613		EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	
Methyl tert-butyl ether			EPA 8260	Not Detected	ug/kg (dw)	5.8	KDD	7/1/2002	

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1,1,2-Trichlorotrifluoroethane			EPA 8260	Not Detected		ug/kg (dw)	12	KDD	7/1/2002	
Methyl acetate			EPA 8260	Not Detected		ug/kg (dw)	12	KDD	7/1/2002	
Cyclohexane			EPA 8260	Not Detected		ug/kg (dw)	12	KDD	7/1/2002	
Methylcyclohexane			EPA 8260	Not Detected		ug/kg (dw)	12	KDD	7/1/2002	
Total Aldehydes			EPA 8260	19	TIE	ug/kg (dw)	0.00	KDD	7/1/2002	
8270 Semi-Vol in Soil/Sed QC Batch 50455										
2-Fluorophenol(Surrogate QC Std.)			EPA 8270C	67		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 113*
Phenol-d5(Surrogate QC Std.)			EPA 8270C	73		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 125*
Nitrobenzene-d5(Surrogate QC Std.)			EPA 8270C	73		ug/kg (dw)	0.00	CLA	7/12/2002	*12 to 127*
2-Fluorobiphenyl(Surrogate QC Std.)			EPA 8270C	80		ug/kg (dw)	0.00	CLA	7/12/2002	*14 to 136*
2,4,6-Tribromophenol(Surrogate QC Std.)			EPA 8270C	70		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 133*
Terphenyl-d14(Surrogate QC Std.)		U	EPA 8270C	110		ug/kg (dw)	0.00	CLA	7/12/2002	*25 to 148*
n-Nitrosodimethylamine	34441		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Picoline	73310		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Methylmethanesulfonate	73119		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Ethylmethanesulfonate	73118		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Aniline	73185		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Phenol	34695		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Chloroethyl)ether	34276		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Chlorophenol	34589		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
1,3-Dichlorobenzene	34569		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
1,4-Dichlorobenzene	34574		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Benzyl alcohol	75212		EPA 8270C	Not Detected		ug/kg (dw)	2500	CLA	7/12/2002	
1,2-Dichlorobenzene	34539		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Chloroisopropyl)ether	34286		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Acetophenone	73272		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
4-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
n-Nitroso-di-n-propylamine	34428		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Hexachloroethane	34399		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Nitrobenzene	34450		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
n-Nitrosopiperidine	73129		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Isophorone	34411		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2-Nitrophenol	34594		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
2,4-Dimethylphenol	34609		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Chloroethoxy)methane	34281		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Benzoic acid	75315		EPA 8270C	Not Detected		ug/kg (dw)	6300	CLA	7/12/2002	
2,4-Dichlorophenol	34604		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
1,2,4-Trichlorobenzene	34554		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
aa-dimethyl-Phenethylamine	73136		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Naphthalene	34445		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
4-Chloroaniline	78867		EPA 8270C	Not Detected		ug/kg (dw)	2500	CLA	7/12/2002	
2,6-Dichlorophenol	73122		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
Hexachlorobutadiene	38705		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
n-Nitroso-di-n-butylamine	73159		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	
4-Chloro-3-methylphenol	34455		EPA 8270C	Not Detected		ug/kg (dw)	2500	CLA	7/12/2002	
2-Methylnaphthalene	78868		EPA 8270C	Not Detected		ug/kg (dw)	1300	CLA	7/12/2002	

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VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Inorganics:	Pat Sammons	404-206-5239
Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
1 [illegible] 5-Tetrachlorobenzene	79787		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
H [illegible] lorocyclopentadiene	34389		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,4,6-Trichlorophenol	34624		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,4,5-Trichlorophenol	78401		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2-Chloronaphthalene	34584		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
1-Chloronaphthalene			EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2-Nitroaniline	78299		EPA 8270C	Not Detected	ug/kg (dw)	6300	CLA	7/12/2002	
Dimethylphthalate	34344		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Acenaphthylene	34203		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,6-Dinitrotoluene	34629		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
3-Nitroaniline	78869		EPA 8270C	Not Detected	ug/kg (dw)	6300	CLA	7/12/2002	
Acenaphthene	34208		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,4-Dinitrophenol	34619		EPA 8270C	Not Detected	ug/kg (dw)	6300	CLA	7/12/2002	
4-Nitrophenol	34649		EPA 8270C	Not Detected	ug/kg (dw)	6300	CLA	7/12/2002	
Dibenzofuran	75647		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pentachlorobenzene	79790		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,4-Dinitrotoluene	34614		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
1-Naphthylamine	73143		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2-Naphthylamine	73124		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
2,3,4,6-Tetrachlorophenol			EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Diethylphthalate	34339		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Fluorene	34384		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-Chlorophenyl-phenylether	34644		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-Nitroaniline	78870		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Diphenylamine			EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4,6-Dinitro-2-methylphenol	34660		EPA 8270C	Not Detected	ug/kg (dw)	6300	CLA	7/12/2002	
n [illegible] sodiphenylamine	34436		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
1,2 [illegible] iphenylhydrazine	34349		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-Bromophenyl-phenylether	34639		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Phenacetin	73117		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Hexachlorobenzene	39701		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
4-Aminobiphenyl	73125		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pentachlorophenol	39061		EPA 8270C	Not Detected	ug/kg (dw)	6300	CLA	7/12/2002	
Pronamide	73031		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pentachloronitrobenzene	81808		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Phenanthrene	34464		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Anthracene	34223		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Di-n-butylphthalate	39112		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Fluoranthene	34379		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Benzidine	39121		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Pyrene	34472		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
p-Dimethylaminoazobenzene	73116		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Butylbenzylphthalate	34295		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
Benzo[a]anthracene	34529		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
3,3'-Dichlorobenzidine	34634		EPA 8270C	Not Detected	ug/kg (dw)	2500	CLA	7/12/2002	
Chyrsene	34323		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	
bis(2-Ethylhexyl)phthalate	39102		EPA 8270C	Not Detected	ug/kg (dw)	1300	CLA	7/12/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
D[illegible]ctylphthalate	34599		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
B[illegible]b]fluoranthene	34233		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Benzo[k]fluoranthene	34245		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
7,12-Dimethylbenz(a)anthracene	73115		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Benzo[a]pyrene	34250		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
3-Methylcholanthrene	73156		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Dibenz(a,j)acridine			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Indeno[1,2,3-cd]pyrene	34406		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Dibenz[a,h]anthracene	34559		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Benzo[g,h,i]perylene	34524		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Pyridine	73312		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Alpha-BHC	39076		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Gamma-BHC	39343		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Beta-BHC	34257		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Delta-BHC	34262		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Heptachlor	39413		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Aldrin	39333		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Heptachlor Epoxide	39423		EPA 8270C	Not Detected	ug/kg (dw)		3100	CLA	7/12/2002	
Endosulfan 1	34364		EPA 8270C	Not Detected	ug/kg (dw)		6300	CLA	7/12/2002	
Dieldrin	39383		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
p,p'-DDE	39321		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Endrin	39393		EPA 8270C	Not Detected	ug/kg (dw)		2500	CLA	7/12/2002	
Endosulfan 2	34359		EPA 8270C	Not Detected	ug/kg (dw)		6300	CLA	7/12/2002	
p,p'-DDD	39311		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Endrin Aldehyde	34369		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Endosulfan Sulfate	34354		EPA 8270C	Not Detected	ug/kg (dw)		3100	CLA	7/12/2002	
p[illegible]DT	39301		EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Be[illegible]aldehyde			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Caprolactam			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
1,1'-Biphenyl			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Atrazine			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
Carbazole			EPA 8270C	Not Detected	ug/kg (dw)		1300	CLA	7/12/2002	
QC Batch 50041										
Cyanide in Sediment	00721		9010B/9012	Not Detected	ug/kg (dw)		11600	BS	7/2/2002	
Target analyte list for solids by ICP QC Batch 50053										
Silver	01078		6010 B	Not Detected	ug/kg (dw)		1000	LA	7/8/2002	
Aluminum	01108		6010 B	29000000	ug/kg (dw)	D	200000	LA	7/8/2002	
Arsenic	01003		6010 B	Not Detected	ug/kg (dw)		8000	LA	7/8/2002	
Barium	01008		6010 B	66000	ug/kg (dw)		20000	LA	7/8/2002	
Beryllium	01013		6010 B	620	ug/kg (dw)		500	LA	7/8/2002	
Calcium	00917		6010 B	Not Detected	ug/kg (dw)		500000	LA	7/8/2002	
Cadmium	01028		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Cobalt	01038		6010 B	Not Detected	ug/kg (dw)		5000	LA	7/8/2002	
Chromium	01029		6010 B	12000	ug/kg (dw)		1000	LA	7/8/2002	
Copper	01043		6010 B	5700	ug/kg (dw)		2500	LA	7/8/2002	
Iron	01170		6010 B	15000000	ug/kg (dw)	D	100000	LA	7/8/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
P[illegible]sium	00938		6010 B	940000	ug/kg (dw)	500000	LA	7/8/2002	
M[illegible]sium	00924		6010 B	790000	ug/kg (dw)	500000	LA	7/8/2002	
Manganese	01053		6010 B	670000	ug/kg (dw)	1500	LA	7/8/2002	
Sodium	00934		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
Nickel	01068		6010 B	6100	ug/kg (dw)	4000	LA	7/8/2002	
Lead	01052		6010 B	38000	ug/kg (dw)	9000	LA	7/8/2002	
Antimony	01098		6010 B	Not Detected	ug/kg (dw)	12000	LA	7/8/2002	
Selenium	01148		6010 B	Not Detected	ug/kg (dw)	19000	LA	7/8/2002	
Thallium	34480		6010 B	Not Detected	ug/kg (dw)	20000	LA	7/8/2002	
Vanadium	01088		6010 B	26000	ug/kg (dw)	5000	LA	7/8/2002	
Zinc	01093		6010 B	34000	ug/kg (dw)	2000	LA	7/8/2002	
QC Batch 49961									
Mercury			EPA 7471A	Not Detected	ug/kg (dw)	100	PB	7/12/2002	
Pesticides in Sediment/Soil QC Batch 50017									
TCMX surr std			EPA 8081A	16.1	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCB surr std			EPA 8081A	40.2	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
ALDRIN			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
a-BHC			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
b-BHC			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
d-BHC			EPA 8081A	Not Detected	ug/kg (dw)	4.5	JSM	7/16/2002	
LINDANE (g-BHC)			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	50	JSM	7/16/2002	
4,4-DDE			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
4,4-DDD			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
4,4-DDT			EPA 8081A	Not Detected	ug/kg (dw)	6.5	JSM	7/16/2002	
D[illegible]RIN			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
E[illegible]SULFAN I			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
ENDOSULFAN II			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDOSULFAN SULFATE			EPA 8081A	Not Detected	ug/kg (dw)	8.0	JSM	7/16/2002	
ENDRIN			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDRIN ALDEHYDE			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
HEPTACHLOR			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEPTACHLOR EPOXIDE			EPA 8081A	Not Detected	ug/kg (dw)	4.0	JSM	7/16/2002	
TOXAPHENE			EPA 8081A	Not Detected	ug/kg (dw)	130	JSM	7/16/2002	
CHLORPYRIFOS (DURSBAN)			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEXACHLOROBENZENE			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
METHOXYCHLOR			EPA 8081A	Not Detected	ug/kg (dw)	20	JSM	7/16/2002	
MIREX			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
gamma-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
alpha-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
PCBs in Sediments or Soils QC Batch 50018									
TCMX surr std			EPA 8082	16.1	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCBP surr std			EPA 8082	40.2	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
PCB-1016			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1221			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1232			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	

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PC[illegible]1242			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
P[illegible]248			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1254			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1260			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1262			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	

COMMENTS: $8270S - Sample had one surrogate compound, Terphenyl-d14 (110% recovery, limits 30.1%- 86.7%) with a recovery outside acceptable control limits due to matrix interferences. LCS results were within acceptable control limits. 7-071502-296

COMMENTS: $TAL_S: ICP Metals - Reporting limits raised due to elevated levels of target analytes in sample. 'D'- sample required dilution for this analyte. Analyzed on 07/09/02 with all QC in compliance.

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HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9050

File a separate Request Sheet for each sample point)

Sample ID AD69416
Location: HWMB
Description: OAKWOOD MHP / HW9050
Collector: B. DAVIS
Sample ID: AD69416

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

Surface soil b/t septic tank & well

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

Organics Special Requests: _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS
4 encores

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

LABORATORY REPORT

TO: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Date Collected:	6/25/2002
Time Collected:	16:15
Sample Collector:	B. DAVIS
Chlorination:	
Sample Type:	
Received By:	TNB
Date Received:	6/26/2002
Time Received:	11:28 AM
Project:	HW
Reporting Date:	7/26/2002
Received Temperature:	0.0 °C

Sample ID:	AD69416
Facility Name:	Oakwood Mhp / Hw9050
Site ID:	HWMB
Location ID:	
Location Descr:	HW9050 DRAINAGE FIELD & WELL

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
8260 Volatiles in Soil/Sed. QC Batch 50118									
Dibromofluoromethane(Surrogate QC Std.)			EPA 8260	52	ug/kg (dw)	0.00	KDD	7/1/2002	*33 to 75*
Toluene-d8(Surrogate QC Std.)			EPA 8260	49	ug/kg (dw)	0.00	KDD	7/1/2002	*39 to 68*
B[illegible]ofluorobenzene(Surrogate QC Std.)			EPA 8260	46	ug/kg (dw)	0.00	KDD	7/1/2002	*25 to 60*
1[illegible]chloroethane-d4(Surrogate QC Std.)			EPA 8260	52	ug/kg (dw)	0.00	KDD	7/1/2002	*35 to 65*
Dichlorodifluoromethane	34334		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
Chloromethane	34421		EPA 8260	Not Detected	ug/kg (dw)	13	KDD	7/1/2002	
Bromomethane	34416		EPA 8260	Not Detected	ug/kg (dw)	13	KDD	7/1/2002	
Vinyl Chloride	34495		EPA 8260	Not Detected	ug/kg (dw)	2.6	KDD	7/1/2002	
Chloroethane	34314		EPA 8260	Not Detected	ug/kg (dw)	13	KDD	7/1/2002	
Methylene Chloride	34426		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
Trichlorofluoromethane	34491		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
Acetone	75059		EPA 8260	Not Detected	ug/kg (dw)	130	KDD	7/1/2002	
Dibromomethane	78756		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
trans-1,2-Dichloroethene	34549		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
Iodomethane	73121		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
Carbon Disulfide	78544		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
1,1-Dichloroethene	34504		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
1,1-Dichloroethane	34499		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
cis-1,2-Dichloroethene	77093		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
2,2-Dichloropropane	77170		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
Bromochloromethane	77297		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
Chloroform	34318		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
1,1-Dichloropropene	77168		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	
1,2-Dichloroethane	34534		EPA 8260	Not Detected	ug/kg (dw)	6.4	KDD	7/1/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
2-[illegible]none	75078		EPA 8260	Not Detected	ug/kg (dw)		130	KDD	7/1/2002	
1,[illegible]richloroethane	34509		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Carbon Tetrachloride	34299		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Vinyl Acetate	78498		EPA 8260	Not Detected	ug/kg (dw)		64	KDD	7/1/2002	
Bromodichloromethane	34330		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,2-Dichloropropane	34544		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Trichloroethene	34487		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Benzene	34237		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
cis-1,3-Dichloropropene	34702		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
trans-1,3-Dichloropropene	34697		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Dibromochloromethane	34309		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,1,2-Trichloroethane	34514		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Bromoform	34290		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,2,3-Trichloropropane	78490		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
4-Methyl-2-Pentanone	75169		EPA 8260	Not Detected	ug/kg (dw)		64	KDD	7/1/2002	
2-Hexanone	75166		EPA 8260	Not Detected	ug/kg (dw)		64	KDD	7/1/2002	
Tetrachloroethene	34478		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,3-Dichloropropane	77173		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,1,2,2-Tetrachloroethane	34519		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Toluene	34483		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,2-Dibromoethane	79749		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Chlorobenzene	34304		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Ethylbenzene	34374		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,1,1,2-Tetrachloroethane			EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Styrene	75192		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
p,m-Xylene	45510		EPA 8260	Not Detected	ug/kg (dw)		13	KDD	7/1/2002	
c[illegible]ne	78362		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Isopropylbenzene	77223		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Bromobenzene	78491		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
n-Propylbenzene	77224		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
2-Chlorotoluene	77225		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,3,5-Trimethylbenzene	77226		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
4-Chlorotoluene	77277		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
tert-Butylbenzene	77353		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,2,4-Trimethylbenzene	34554		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
sec-Butylbenzene	77350		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,3-Dichlorobenzene	34569		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
p-Isopropyltoluene	77356		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,4-Dichlorobenzene	34574		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
n-Butylbenzene	77342		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,2-Dichlorobenzene	34539		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,2-Dibromo-3-chloropropane	99999		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,2,4-Trichlorobenzene	34554		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Hexachlorobutadiene	39705		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Naphthalene	34445		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
1,2,3-Trichlorobenzene	77613		EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	
Methyl tert-butyl ether			EPA 8260	Not Detected	ug/kg (dw)		6.4	KDD	7/1/2002	

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1.' Trichlorotrifluoroethane			EPA 8260	Not Detected		ug/kg (dw)	13	KDD	7/1/2002	
M acetate			EPA 8260	Not Detected		ug/kg (dw)	13	KDD	7/1/2002	
Cyclohexane			EPA 8260	Not Detected		ug/kg (dw)	13	KDD	7/1/2002	
Methylcyclohexane			EPA 8260	Not Detected		ug/kg (dw)	13	KDD	7/1/2002	
Total Aldehydes			EPA 8260	33	TIE	ug/kg (dw)	0.00	KDD	7/1/2002	
8270 Semi-Vol in Soil/Sed QC Batch 50455										
2-Fluorophenol(Surrogate QC Std.)			EPA 8270C	52		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 113*
Phenol-d5(Surrogate QC Std.)			EPA 8270C	58		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 125*
Nitrobenzene-d5(Surrogate QC Std.)			EPA 8270C	53		ug/kg (dw)	0.00	CLA	7/12/2002	*12 to 127*
2-Fluorobiphenyl(Surrogate QC Std.)			EPA 8270C	61		ug/kg (dw)	0.00	CLA	7/12/2002	*14 to 136*
2,4,6-Tribromophenol(Surrogate QC Std.)			EPA 8270C	60		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 133*
Terphenyl-d14(Surrogate QC Std.)		U	EPA 8270C	89		ug/kg (dw)	0.00	CLA	7/12/2002	*25 to 148*
n-Nitrosodimethylamine	34441		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Picoline	73310		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Methylmethanesulfonate	73119		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Ethylmethanesulfonate	73118		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Aniline	73185		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Phenol	34695		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroethyl)ether	34276		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Chlorophenol	34589		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,3-Dichlorobenzene	34569		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,4-Dichlorobenzene	34574		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Benzyl alcohol	75212		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
1,2-Dichlorobenzene	34539		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroisopropyl)ether	34286		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
A henone	73272		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitroso-di-n-propylamine	34428		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Hexachloroethane	34399		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Nitrobenzene	34450		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitrosopiperidine	73129		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Isophorone	34411		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Nitrophenol	34594		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dimethylphenol	34609		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroethoxy)methane	34281		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Benzoic acid	75315		EPA 8270C	Not Detected		ug/kg (dw)	5900	CLA	7/12/2002	
2,4-Dichlorophenol	34604		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,2,4-Trichlorobenzene	34554		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
aa-dimethyl-Phenethylamine	73136		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Naphthalene	34445		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Chloroaniline	78867		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
2,6-Dichlorophenol	73122		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Hexachlorobutadiene	38705		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitroso-di-n-butylamine	73159		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Chloro-3-methylphenol	34455		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
2-Methylnaphthalene	78868		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	

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1 [illegible] 5-Tetrachlorobenzene	79787		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
H [illegible] lorocyclopentadiene	34389		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,4,6-Trichlorophenol	34624		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,4,5-Trichlorophenol	78401		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2-Chloronaphthalene	34584		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
1-Chloronaphthalene			EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2-Nitroaniline	78299		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Dimethylphthalate	34344		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Acenaphthylene	34203		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,6-Dinitrotoluene	34629		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
3-Nitroaniline	78869		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Acenaphthene	34208		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dinitrophenol	34619		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
4-Nitrophenol	34649		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Dibenzofuran	75647		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pentachlorobenzene	79790		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dinitrotoluene	34614		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
1-Naphthylamine	73143		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2-Naphthylamine	73124		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,3,4,6-Tetrachlorophenol			EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Diethylphthalate	34339		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Fluorene	34384		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Chlorophenyl-phenylether	34644		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Nitroaniline	78870		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Diphenylamine			EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4,6-Dinitro-2-methylphenol	34660		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
r [illegible] sodiphenylamine	34436		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
1,2-Diphenylhydrazine	34349		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Bromophenyl-phenylether	34639		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Phenacetin	73117		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Hexachlorobenzene	39701		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Aminobiphenyl	73125		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pentachlorophenol	39061		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Pronamide	73031		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pentachloronitrobenzene	81808		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Phenanthrene	34464		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Anthracene	34223		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Di-n-butylphthalate	39112		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Fluoranthene	34379		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Benzidine	39121		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pyrene	34472		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
p-Dimethylaminoazobenzene	73116		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Butylbenzylphthalate	34295		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Benzo[a]anthracene	34529		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
3,3'-Dichlorobenzidine	34634		EPA 8270C	Not Detected	ug/kg (dw)	2300	CLA	7/12/2002	
Chyrsene	34323		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Ethylhexyl)phthalate	39102		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	

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Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
D[illegible]ctylphthalate	34599		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
B[illegible]b]fluoranthene	34233		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzo[k]fluoranthene	34245		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
7,12-Dimethylbenz(a)anthracene	73115		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzo[a]pyrene	34250		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
3-Methylcholanthrene	73156		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Dibenz(a,j)acridine			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Indeno[1,2,3-cd]pyrene	34406		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Dibenz[a,h]anthracene	34559		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzo[g,h,i]perylene	34524		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Pyridine	73312		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Alpha-BHC	39076		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Gamma-BHC	39343		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Beta-BHC	34257		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Delta-BHC	34262		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Heptachlor	39413		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Aldrin	39333		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Heptachlor Epoxide	39423		EPA 8270C	Not Detected	ug/kg (dw)		3000	CLA	7/12/2002	
Endosulfan 1	34364		EPA 8270C	Not Detected	ug/kg (dw)		5900	CLA	7/12/2002	
Dieldrin	39383		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
p,p'-DDE	39321		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endrin	39393		EPA 8270C	Not Detected	ug/kg (dw)		2400	CLA	7/12/2002	
Endosulfan 2	34359		EPA 8270C	Not Detected	ug/kg (dw)		5900	CLA	7/12/2002	
p,p'-DDD	39311		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endrin Aldehyde	34369		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endosulfan Sulfate	34354		EPA 8270C	Not Detected	ug/kg (dw)		3000	CLA	7/12/2002	
p[illegible]DT	39301		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Be[illegible]zaldehyde			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Caprolactam			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
1,1'-Biphenyl			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Atrazine			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Carbazole			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
QC Batch 50041										
Cyanide in Sediment	00721		9010B/9012	Not Detected	ug/kg (dw)		11000	BS	7/2/2002	
Target analyte list for solids by ICP QC Batch 50053										
Silver	01078		6010 B	Not Detected	ug/kg (dw)		1000	LA	7/8/2002	
Aluminum	01108		6010 B	16000000	ug/kg (dw)	D	200000	LA	7/8/2002	
Arsenic	01003		6010 B	Not Detected	ug/kg (dw)		8000	LA	7/8/2002	
Barium	01008		6010 B	87000	ug/kg (dw)		20000	LA	7/8/2002	
Beryllium	01013		6010 B	600	ug/kg (dw)		500	LA	7/8/2002	
Calcium	00917		6010 B	Not Detected	ug/kg (dw)		500000	LA	7/8/2002	
Cadmium	01028		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Cobalt	01038		6010 B	Not Detected	ug/kg (dw)		5000	LA	7/8/2002	
Chromium	01029		6010 B	9600	ug/kg (dw)		1000	LA	7/8/2002	
Copper	01043		6010 B	8500	ug/kg (dw)		2500	LA	7/8/2002	
Iron	01170		6010 B	7400000	ug/kg (dw)		10000	LA	7/8/2002	

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mg/kg: milligrams/kilogram
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ug/g: micrograms/gram
[illegible]m: parts per million
[illegible] parts per billion
[illegible]/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Inorganics:	Pat Sammons	404-206-5239
Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
Pc sium	00938		6010 B	860000	ug/kg (dw)	500000	LA	7/8/2002	
M sium	00924		6010 B	740000	ug/kg (dw)	500000	LA	7/8/2002	
Manganese	01053		6010 B	790000	ug/kg (dw)	1500	LA	7/8/2002	
Sodium	00934		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
Nickel	01068		6010 B	5100	ug/kg (dw)	4000	LA	7/8/2002	
Lead	01052		6010 B	61000	ug/kg (dw)	9000	LA	7/8/2002	
Antimony	01098		6010 B	Not Detected	ug/kg (dw)	12000	LA	7/8/2002	
Selenium	01148		6010 B	Not Detected	ug/kg (dw)	19000	LA	7/8/2002	
Thallium	34480		6010 B	Not Detected	ug/kg (dw)	20000	LA	7/8/2002	
Vanadium	01088		6010 B	15000	ug/kg (dw)	5000	LA	7/8/2002	
Zinc	01093		6010 B	63000	ug/kg (dw)	2000	LA	7/8/2002	
QC Batch 49961									
Mercury			EPA 7471A	Not Detected	ug/kg (dw)	100	PB	6/27/2002	
Pesticides in Sediment/Soil QC Batch 50017									
TCMX surr std			EPA 8081A	18.4	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCB surr std			EPA 8081A	38.2	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
ALDRIN			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
a-BHC			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
b-BHC			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
d-BHC			EPA 8081A	Not Detected	ug/kg (dw)	4.5	JSM	7/16/2002	
LINDANE (g-BHC)			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	50	JSM	7/16/2002	
4,4-DDE			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
4,4-DDD			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
4,4-DDT			EPA 8081A	Not Detected	ug/kg (dw)	6.5	JSM	7/16/2002	
DI DRIN			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
E SULFAN I			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
ENDOSULFAN II			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDOSULFAN SULFATE			EPA 8081A	Not Detected	ug/kg (dw)	8.0	JSM	7/16/2002	
ENDRIN			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDRIN ALDEHYDE			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
HEPTACHLOR			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEPTACHLOR EPOXIDE			EPA 8081A	Not Detected	ug/kg (dw)	4.0	JSM	7/16/2002	
TOXAPHENE			EPA 8081A	Not Detected	ug/kg (dw)	130	JSM	7/16/2002	
CHLORPYRIFOS (DURSBAN)			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEXACHLOROBENZENE			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
METHOXYCHLOR			EPA 8081A	Not Detected	ug/kg (dw)	20	JSM	7/16/2002	
MIREX			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
gamma-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
alpha-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
PCBs in Sediments or Soils QC Batch 50018									
TCMX surr std			EPA 8082	18.4	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCBP surr std			EPA 8082	38.2	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
PCB-1016			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1221			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1232			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
PCB-1242			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1248			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1254			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1260			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1262			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	

COMMENTS: $8270S - Sample had one surrogate compound, Terphenyl-d14 (89% recovery, limits 30.1%- 86.7%) with a recovery outside acceptable control limits due to matrix interferences. LCS results were within acceptable control limits. 7-071502-296

COMMENTS: $TAL_S: ICP Metals - Reporting limits raised due to elevated levels of target analytes in sample. 'D'- sample required dilution for this analyte. Analyzed on 07/09/02 with all QC in compliance.

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mg/kg: milligrams/kilogram
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HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9053

File a separate Request Sheet for each sample point)

Sample ID AD69418
Location: HWMB
Description: OAKWOOD MHP / HW9053
Collector: B. DAVIS
Sample ID: AD69418

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment ✓ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc. 2 subsurf.

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral) ✓
Volatiles ✓
Pesticides ✓
Herbicides _____
Organophosphorous Pesticides _____
PCB ✓
BETX _____
Total Petroleum Hydrocarbon _____

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS
4 encores

Organics Special Requests: _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
Mercury ✓
Metals Special Requests: _____

3. TCLP ORGANICS

Volatiles _____
Semi-Volatiles (Acid & Base/Neutral) _____
Pesticides _____
Herbicides _____
Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____
Mercury _____
Additional Metals for TCLP: _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

LABORATORY REPORT

TO: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Date Collected:	6/25/2002
Time Collected:	14:30
Sample Collector:	B. DAVIS
Chlorination:	
Sample Type:	
Received By:	TNB
Date Received:	6/26/2002
Time Received:	11:28 AM
Project:	HW
Reporting Date:	7/26/2002
Received Temperature:	0.0 °C

Sample ID:	AD69418
Facility Name:	Oakwood Mhp / Hw9053
Site ID:	HWMB
Location ID:	
Location Descr:	HW9053 LOC2 SUBSURFACE

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
8260 Volatiles in Soil/Sed. QC Batch 50118									
Dibromofluoromethane(Surrogate QC Std.)			EPA 8260	55	ug/kg (dw)	0.00	KDD	6/27/2002	*33 to 75*
Toluene-d8(Surrogate QC Std.)			EPA 8260	50	ug/kg (dw)	0.00	KDD	6/27/2002	*39 to 68*
Br[illegible]ofluorobenzene(Surrogate QC Std.)			EPA 8260	49	ug/kg (dw)	0.00	KDD	6/27/2002	*25 to 60*
1 [illegible]hloroethane-d4(Surrogate QC Std.)			EPA 8260	52	ug/kg (dw)	0.00	KDD	6/27/2002	*35 to 65*
Dichlorodifluoromethane	34334		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Chloromethane	34421		EPA 8260	Not Detected	ug/kg (dw)	13	KDD	6/27/2002	
Bromomethane	34416		EPA 8260	Not Detected	ug/kg (dw)	13	KDD	6/27/2002	
Vinyl Chloride	34495		EPA 8260	Not Detected	ug/kg (dw)	2.6	KDD	6/27/2002	
Chloroethane	34314		EPA 8260	Not Detected	ug/kg (dw)	13	KDD	6/27/2002	
Methylene Chloride	34426		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Trichlorofluoromethane	34491		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Acetone	75059		EPA 8260	Not Detected	ug/kg (dw)	130	KDD	6/27/2002	
Dibromomethane	78756		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
trans-1,2-Dichloroethene	34549		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Iodomethane	73121		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Carbon Disulfide	78544		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,1-Dichloroethene	34504		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,1-Dichloroethane	34499		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
cis-1,2-Dichloroethene	77093		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
2,2-Dichloropropane	77170		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Bromochloromethane	77297		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Chloroform	34318		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,1-Dichloropropene	77168		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,2-Dichloroethane	34534		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
2-[illegible]none	75078		EPA 8260	Not Detected	ug/kg (dw)	130	KDD	6/27/2002	
1, [illegible]richloroethane	34509		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Carbon Tetrachloride	34299		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Vinyl Acetate	78498		EPA 8260	Not Detected	ug/kg (dw)	66	KDD	6/27/2002	
Bromodichloromethane	34330		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,2-Dichloropropane	34544		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Trichloroethene	34487		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Benzene	34237		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
cis-1,3-Dichloropropene	34702		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
trans-1,3-Dichloropropene	34697		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Dibromochloromethane	34309		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,1,2-Trichloroethane	34514		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Bromoform	34290		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,2,3-Trichloropropane	78490		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
4-Methyl-2-Pentanone	75169		EPA 8260	Not Detected	ug/kg (dw)	66	KDD	6/27/2002	
2-Hexanone	75166		EPA 8260	Not Detected	ug/kg (dw)	66	KDD	6/27/2002	
Tetrachloroethene	34478		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,3-Dichloropropane	77173		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,1,2,2-Tetrachloroethane	34519		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Toluene	34483		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,2-Dibromoethane	79749		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Chlorobenzene	34304		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Ethylbenzene	34374		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,1,1,2-Tetrachloroethane			EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Styrene	75192		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
p,m-Xylene	45510		EPA 8260	Not Detected	ug/kg (dw)	13	KDD	6/27/2002	
o [illegible]ne	78362		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Isopropylbenzene	77223		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Bromobenzene	78491		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
n-Propylbenzene	77224		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
2-Chlorotoluene	77225		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,3,5-Trimethylbenzene	77226		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
4-Chlorotoluene	77277		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
tert-Butylbenzene	77353		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,2,4-Trimethylbenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
sec-Butylbenzene	77350		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,3-Dichlorobenzene	34569		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
p-Isopropyltoluene	77356		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,4-Dichlorobenzene	34574		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
n-Butylbenzene	77342		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,2-Dichlorobenzene	34539		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,2-Dibromo-3-chloropropane	99999		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,2,4-Trichlorobenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Hexachlorobutadiene	39705		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Naphthalene	34445		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
1,2,3-Trichlorobenzene	77613		EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	
Methyl tert-butyl ether			EPA 8260	Not Detected	ug/kg (dw)	6.6	KDD	6/27/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
1.[illegible] Trichlorotrifluoroethane			EPA 8260	Not Detected		ug/kg (dw)	13	KDD	6/27/2002	
M[illegible] acetate			EPA 8260	Not Detected		ug/kg (dw)	13	KDD	6/27/2002	
Cyclohexane			EPA 8260	Not Detected		ug/kg (dw)	13	KDD	6/27/2002	
Methylcyclohexane			EPA 8260	Not Detected		ug/kg (dw)	13	KDD	6/27/2002	
8270 Semi-Vol in Soil/Sed QC Batch 50455										
2-Fluorophenol(Surrogate QC Std.)			EPA 8270C	40		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 113*
Phenol-d5(Surrogate QC Std.)			EPA 8270C	41		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 125*
Nitrobenzene-d5(Surrogate QC Std.)			EPA 8270C	42		ug/kg (dw)	0.00	CLA	7/12/2002	*12 to 127*
2-Fluorobiphenyl(Surrogate QC Std.)			EPA 8270C	47		ug/kg (dw)	0.00	CLA	7/12/2002	*14 to 136*
2,4,6-Tribromophenol(Surrogate QC Std.)			EPA 8270C	67		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 133*
Terphenyl-d14(Surrogate QC Std.)		U	EPA 8270C	100		ug/kg (dw)	0.00	CLA	7/12/2002	*25 to 148*
n-Nitrosodimethylamine	34441		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
2-Picoline	73310		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Methylmethanesulfonate	73119		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Ethylmethanesulfonate	73118		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Aniline	73185		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Phenol	34695		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
bis(2-Chloroethyl)ether	34276		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
2-Chlorophenol	34589		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
1,3-Dichlorobenzene	34569		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
1,4-Dichlorobenzene	34574		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Benzyl alcohol	75212		EPA 8270C	Not Detected		ug/kg (dw)	2700	CLA	7/12/2002	
1,2-Dichlorobenzene	34539		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
2-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
bis(2-Chloroisopropyl)ether	34286		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Acetophenone	73272		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
4[illegible]ylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
n-Nitroso-di-n-propylamine	34428		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Hexachloroethane	34399		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Nitrobenzene	34450		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
n-Nitrosopiperidine	73129		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Isophorone	34411		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
2-Nitrophenol	34594		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
2,4-Dimethylphenol	34609		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
bis(2-Chloroethoxy)methane	34281		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Benzoic acid	75315		EPA 8270C	Not Detected		ug/kg (dw)	6900	CLA	7/12/2002	
2,4-Dichlorophenol	34604		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
1,2,4-Trichlorobenzene	34554		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
aa-dimethyl-Phenethylamine	73136		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Naphthalene	34445		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
4-Chloroaniline	78867		EPA 8270C	Not Detected		ug/kg (dw)	2700	CLA	7/12/2002	
2,6-Dichlorophenol	73122		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
Hexachlorobutadiene	38705		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
n-Nitroso-di-n-butylamine	73159		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
4-Chloro-3-methylphenol	34455		EPA 8270C	Not Detected		ug/kg (dw)	2700	CLA	7/12/2002	
2-Methylnaphthalene	78868		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	
1,2,4,5-Tetrachlorobenzene	79787		EPA 8270C	Not Detected		ug/kg (dw)	1400	CLA	7/12/2002	

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H[illegible]hlorocyclopentadiene	34389		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
2, [illegible]richlorophenol	34624		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
2,4,5-Trichlorophenol	78401		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
2-Chloronaphthalene	34584		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
1-Chloronaphthalene			EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
2-Nitroaniline	78299		EPA 8270C	Not Detected	ug/kg (dw)	6900	CLA	7/12/2002	
Dimethylphthalate	34344		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Acenaphthylene	34203		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
2,6-Dinitrotoluene	34629		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
3-Nitroaniline	78869		EPA 8270C	Not Detected	ug/kg (dw)	6900	CLA	7/12/2002	
Acenaphthene	34208		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
2,4-Dinitrophenol	34619		EPA 8270C	Not Detected	ug/kg (dw)	6900	CLA	7/12/2002	
4-Nitrophenol	34649		EPA 8270C	Not Detected	ug/kg (dw)	6900	CLA	7/12/2002	
Dibenzofuran	75647		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Pentachlorobenzene	79790		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
2,4-Dinitrotoluene	34614		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
1-Naphthylamine	73143		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
2-Naphthylamine	73124		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
2,3,4,6-Tetrachlorophenol			EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Diethylphthalate	34339		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Fluorene	34384		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
4-Chlorophenyl-phenylether	34644		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
4-Nitroaniline	78870		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Diphenylamine			EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
4,6-Dinitro-2-methylphenol	34660		EPA 8270C	Not Detected	ug/kg (dw)	6900	CLA	7/12/2002	
n-Nitrosodiphenylamine	34436		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
1 [illegible]henylhydrazine	34349		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
4-[illegible]omophenyl-phenylether	34639		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Phenacetin	73117		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Hexachlorobenzene	39701		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
4-Aminobiphenyl	73125		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Pentachlorophenol	39061		EPA 8270C	Not Detected	ug/kg (dw)	6900	CLA	7/12/2002	
Pronamide	73031		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Pentachloronitrobenzene	81808		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Phenanthrene	34464		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Anthracene	34223		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Di-n-butylphthalate	39112		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Fluoranthene	34379		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Benzidine	39121		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Pyrene	34472		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
p-Dimethylaminoazobenzene	73116		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Butylbenzylphthalate	34295		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
Benzo[a]anthracene	34529		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
3,3'-Dichlorobenzidine	34634		EPA 8270C	Not Detected	ug/kg (dw)	2700	CLA	7/12/2002	
Chyrsene	34323		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	
bis(2-Ethylhexyl)phthalate	39102		EPA 8270C	1500	ug/kg (dw)	1400	CLA	7/12/2002	
Di-n-octylphthalate	34599		EPA 8270C	Not Detected	ug/kg (dw)	1400	CLA	7/12/2002	

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B[illegible]fb]fluoranthene	34233		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
B[illegible]k]fluoranthene	34245		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
7,12-Dimethylbenz(a)anthracene	73115		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Benzo[a]pyrene	34250		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
3-Methylcholanthrene	73156		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Dibenz(a,j)acridine			EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Indeno[1,2,3-cd]pyrene	34406		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Dibenz[a,h]anthracene	34559		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Benzo[g,h,i]perylene	34524		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Pyridine	73312		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Alpha-BHC	39076		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Gamma-BHC	39343		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Beta-BHC	34257		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Delta-BHC	34262		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Heptachlor	39413		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Aldrin	39333		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Heptachlor Epoxide	39423		EPA 8270C	Not Detected	ug/kg (dw)		3500	CLA	7/12/2002	
Endosulfan 1	34364		EPA 8270C	Not Detected	ug/kg (dw)		6900	CLA	7/12/2002	
Dieldrin	39383		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
p,p'-DDE	39321		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Endrin	39393		EPA 8270C	Not Detected	ug/kg (dw)		2800	CLA	7/12/2002	
Endosulfan 2	34359		EPA 8270C	Not Detected	ug/kg (dw)		6900	CLA	7/12/2002	
p,p'-DDD	39311		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Endrin Aldehyde	34369		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Endosulfan Sulfate	34354		EPA 8270C	Not Detected	ug/kg (dw)		3500	CLA	7/12/2002	
p,p'-DDT	39301		EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
E[illegible]'dehyde			EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Caprolactam			EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
1,1'-Biphenyl			EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Atrazine			EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
Carbazole			EPA 8270C	Not Detected	ug/kg (dw)		1400	CLA	7/12/2002	
QC Batch 50041										
Cyanide in Sediment	00721		9010B/9012	Not Detected	ug/kg (dw)		10600	BS	7/2/2002	
Target analyte list for solids by ICP QC Batch 50053										
Silver	01078		6010 B	Not Detected	ug/kg (dw)		1000	LA	7/8/2002	
Aluminum	01108		6010 B	30000000	ug/kg (dw)	D	200000	LA	7/8/2002	
Arsenic	01003		6010 B	Not Detected	ug/kg (dw)		8000	LA	7/8/2002	
Barium	01008		6010 B	27000	ug/kg (dw)		20000	LA	7/8/2002	
Beryllium	01013		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Calcium	00917		6010 B	Not Detected	ug/kg (dw)		500000	LA	7/8/2002	
Cadmium	01028		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Cobalt	01038		6010 B	Not Detected	ug/kg (dw)		5000	LA	7/8/2002	
Chromium	01029		6010 B	11000	ug/kg (dw)		1000	LA	7/8/2002	
Copper	01043		6010 B	4100	ug/kg (dw)		2500	LA	7/8/2002	
Iron	01170		6010 B	16000000	ug/kg (dw)	D	100000	LA	7/8/2002	
Potassium	00938		6010 B	740000	ug/kg (dw)		500000	LA	7/8/2002	

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M [illegible]sium	00924		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
M[illegible]nese	01053		6010 B	51000	ug/kg (dw)	1500	LA	7/8/2002	
Sodium	00934		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
Nickel	01068		6010 B	4300	ug/kg (dw)	4000	LA	7/8/2002	
Lead	01052		6010 B	18000	ug/kg (dw)	9000	LA	7/8/2002	
Antimony	01098		6010 B	Not Detected	ug/kg (dw)	12000	LA	7/8/2002	
Selenium	01148		6010 B	Not Detected	ug/kg (dw)	19000	LA	7/8/2002	
Thallium	34480		6010 B	Not Detected	ug/kg (dw)	20000	LA	7/8/2002	
Vanadium	01088		6010 B	19000	ug/kg (dw)	5000	LA	7/8/2002	
Zinc	01093		6010 B	21000	ug/kg (dw)	2000	LA	7/8/2002	
QC Batch 49961									
Mercury			EPA 7471A	Not Detected	ug/kg (dw)	100	PB	6/27/2002	
Pesticides in Sediment/Soil QC Batch 50017									
TCMX surr std			EPA 8081A	18.5	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCB surr std			EPA 8081A	37.8	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
ALDRIN			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
a-BHC			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
b-BHC			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
d-BHC			EPA 8081A	Not Detected	ug/kg (dw)	4.5	JSM	7/16/2002	
LINDANE (g-BHC)			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	50	JSM	7/16/2002	
4,4-DDE			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
4,4-DDD			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
4,4-DDT			EPA 8081A	Not Detected	ug/kg (dw)	6.5	JSM	7/16/2002	
DIELDRIN			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
E[illegible]OSULFAN I			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
E[illegible] SULFAN II			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDOSULFAN SULFATE			EPA 8081A	Not Detected	ug/kg (dw)	8.0	JSM	7/16/2002	
ENDRIN			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDRIN ALDEHYDE			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
HEPTACHLOR			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEPTACHLOR EPOXIDE			EPA 8081A	Not Detected	ug/kg (dw)	4.0	JSM	7/16/2002	
TOXAPHENE			EPA 8081A	Not Detected	ug/kg (dw)	130	JSM	7/16/2002	
CHLORPYRIFOS (DURSBAN)			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEXACHLOROBENZENE			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
METHOXYCHLOR			EPA 8081A	Not Detected	ug/kg (dw)	20	JSM	7/16/2002	
MIREX			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
gamma-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
alpha-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
PCBs in Sediments or Soils QC Batch 50018									
TCMX surr std			EPA 8082	18.5	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCBP surr std			EPA 8082	37.8	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
PCB-1016			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1221			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1232			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1242			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	

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: parts per billion
[illegible]/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
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VIOL: Violation (result exceeds MCL)

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Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
PC 1248			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
P 254			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1260			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1262			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	

COMMENTS: $8270S - Sample had one surrogate compound, Terphenyl-d14 (100% recovery, limits 30.1%- 86.7%) with a recovery outside acceptable control limits due to matrix interferences. LCS results were within acceptable control limits. 7-071502-296

COMMENTS: $TAL_S: ICP Metals - Reporting limits raised due to elevated levels of target analytes in sample. 'D'- sample required dilution for this analyte. Analyzed on 07/09/02 with all QC in compliance.

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mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
µL: organisms/liter

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HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9056
File a separate Request Sheet for each sample point)

Sample ID AD69419
Location: HWMB
Description: OAKWOOD MHP / HW9056
Collector: B. DAVIS
Sample ID: AD69419

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

drainage field Location 1 surface

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED
(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

Organics Special Requests: _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS
4 encores

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 00 °

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

LABORATORY REPORT

TO: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Date Collected:	6/25/2002
Time Collected:	12:15
Sample Collector:	B. DAVIS
Chlorination:	
Sample Type:	
Received By:	TNB
Date Received:	6/26/2002
Time Received:	11:28 AM
Project:	HW
Reporting Date:	7/26/2002
Received Temperature:	0.0 ° C

Sample ID:	AD69419
Facility Name:	Oakwood Mhp / Hw9056
Site ID:	HWMB
Location ID:	
Location Descr:	HW9056 DRAINAGE FIELD LOC1

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
8260 Volatiles in Soil/Sed. QC Batch 50118										
Dibromofluoromethane(Surrogate QC Std.)			EPA 8260	55	ug/kg (dw)			KDD	6/28/2002	*33 to 75*
Toluene-d8(Surrogate QC Std.)			EPA 8260	51	ug/kg (dw)			KDD	6/28/2002	*39 to 68*
Br[illegible]ofluorobenzene(Surrogate QC Std.)			EPA 8260	50	ug/kg (dw)			KDD	6/28/2002	*25 to 60*
1[illegible]hloroethane-d4(Surrogate QC Std.)			EPA 8260	52	ug/kg (dw)			KDD	6/28/2002	*35 to 65*
Dichlorodifluoromethane	34334		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Chloromethane	34421		EPA 8260	Not Detected	ug/kg (dw)		10	KDD	6/28/2002	
Bromomethane	34416		EPA 8260	Not Detected	ug/kg (dw)		10	KDD	6/28/2002	
Vinyl Chloride	34495		EPA 8260	Not Detected	ug/kg (dw)		2	KDD	6/28/2002	
Chloroethane	34314		EPA 8260	Not Detected	ug/kg (dw)		10	KDD	6/28/2002	
Methylene Chloride	34426		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Trichlorofluoromethane	34491		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Acetone	75059		EPA 8260	Not Detected	ug/kg (dw)		100	KDD	6/28/2002	
Dibromomethane	78756		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
trans-1,2-Dichloroethene	34549		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Iodomethane	73121		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Carbon Disulfide	78544		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
1,1-Dichloroethene	34504		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
1,1-Dichloroethane	34499		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
cis-1,2-Dichloroethene	77093		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
2,2-Dichloropropane	77170		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Bromochloromethane	77297		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Chloroform	34318		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
1,1-Dichloropropene	77168		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
1,2-Dichloroethane	34534		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
2-[illegible]none	75078		EPA 8260	Not Detected	ug/kg (dw)	100	KDD	6/28/2002	
1, [illegible]richloroethane	34509		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Carbon Tetrachloride	34299		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Vinyl Acetate	78498		EPA 8260	Not Detected	ug/kg (dw)	50	KDD	6/28/2002	
Bromodichloromethane	34330		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2-Dichloropropane	34544		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Trichloroethene	34487		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Benzene	34237		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
cis-1,3-Dichloropropene	34702		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
trans-1,3-Dichloropropene	34697		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Dibromochloromethane	34309		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,1,2-Trichloroethane	34514		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Bromoform	34290		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2,3-Trichloropropane	78490		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
4-Methyl-2-Pentanone	75169		EPA 8260	Not Detected	ug/kg (dw)	50	KDD	6/28/2002	
2-Hexanone	75166		EPA 8260	Not Detected	ug/kg (dw)	50	KDD	6/28/2002	
Tetrachloroethene	34478		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,3-Dichloropropane	77173		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,1,2,2-Tetrachloroethane	34519		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Toluene	34483		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2-Dibromoethane	79749		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Chlorobenzene	34304		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Ethylbenzene	34374		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,1,1,2-Tetrachloroethane			EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Styrene	75192		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
p,m-Xylene	45510		EPA 8260	Not Detected	ug/kg (dw)	10	KDD	6/28/2002	
c[illegible]ne	78362		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Isopropylbenzene	77223		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Bromobenzene	78491		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
n-Propylbenzene	77224		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
2-Chlorotoluene	77225		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,3,5-Trimethylbenzene	77226		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
4-Chlorotoluene	77277		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
tert-Butylbenzene	77353		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2,4-Trimethylbenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
sec-Butylbenzene	77350		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,3-Dichlorobenzene	34569		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
p-Isopropyltoluene	77356		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,4-Dichlorobenzene	34574		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
n-Butylbenzene	77342		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2-Dichlorobenzene	34539		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2-Dibromo-3-chloropropane	99999		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2,4-Trichlorobenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Hexachlorobutadiene	39705		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Naphthalene	34445		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2,3-Trichlorobenzene	77613		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Methyl tert-butyl ether			EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
1 ' Trichlorotrifluoroethane			EPA 8260	Not Detected		ug/kg (dw)	10	KDD	6/28/2002	
M. acetate			EPA 8260	Not Detected		ug/kg (dw)	10	KDD	6/28/2002	
Cyclohexane			EPA 8260	Not Detected		ug/kg (dw)	10	KDD	6/28/2002	
Methylcyclohexane			EPA 8260	Not Detected		ug/kg (dw)	10	KDD	6/28/2002	
8270 Semi-Vol in Soil/Sed QC Batch 50455										
2-Fluorophenol(Surrogate QC Std.)			EPA 8270C	49		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 113*
Phenol-d5(Surrogate QC Std.)			EPA 8270C	59		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 125*
Nitrobenzene-d5(Surrogate QC Std.)			EPA 8270C	53		ug/kg (dw)	0.00	CLA	7/12/2002	*12 to 127*
2-Fluorobiphenyl(Surrogate QC Std.)			EPA 8270C	58		ug/kg (dw)	0.00	CLA	7/12/2002	*14 to 136*
2,4,6-Tribromophenol(Surrogate QC Std.)			EPA 8270C	48		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 133*
Terphenyl-d14(Surrogate QC Std.)		U	EPA 8270C	93		ug/kg (dw)	0.00	CLA	7/12/2002	*25 to 148*
n-Nitrosodimethylamine	34441		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2-Picoline	73310		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Methylmethanesulfonate	73119		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Ethylmethanesulfonate	73118		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Aniline	73185		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Phenol	34695		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
bis(2-Chloroethyl)ether	34276		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2-Chlorophenol	34589		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
1,3-Dichlorobenzene	34569		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
1,4-Dichlorobenzene	34574		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Benzyl alcohol	75212		EPA 8270C	Not Detected		ug/kg (dw)	2200	CLA	7/12/2002	
1,2-Dichlorobenzene	34539		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
bis(2-Chloroisopropyl)ether	34286		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Acetophenone	73272		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
4 ylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
n-Nitroso-di-n-propylamine	34428		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Hexachloroethane	34399		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Nitrobenzene	34450		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
n-Nitrosopiperidine	73129		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Isophorone	34411		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2-Nitrophenol	34594		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2,4-Dimethylphenol	34609		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
bis(2-Chloroethoxy)methane	34281		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Benzoic acid	75315		EPA 8270C	Not Detected		ug/kg (dw)	5600	CLA	7/12/2002	
2,4-Dichlorophenol	34604		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
1,2,4-Trichlorobenzene	34554		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
aa-dimethyl-Phenethylamine	73136		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Naphthalene	34445		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
4-Chloroaniline	78867		EPA 8270C	Not Detected		ug/kg (dw)	2200	CLA	7/12/2002	
2,6-Dichlorophenol	73122		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Hexachlorobutadiene	38705		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
n-Nitroso-di-n-butylamine	73159		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
4-Chloro-3-methylphenol	34455		EPA 8270C	Not Detected		ug/kg (dw)	2200	CLA	7/12/2002	
2-Methylnaphthalene	78868		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
1,2,4,5-Tetrachlorobenzene	79787		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
H[illegible]hlorocyclopentadiene	34389		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2, [illegible]richlorophenol	34624		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2,4,5-Trichlorophenol	78401		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2-Chloronaphthalene	34584		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
1-Chloronaphthalene			EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2-Nitroaniline	78299		EPA 8270C	Not Detected		ug/kg (dw)	5600	CLA	7/12/2002	
Dimethylphthalate	34344		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Acenaphthylene	34203		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2,6-Dinitrotoluene	34629		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
3-Nitroaniline	78869		EPA 8270C	Not Detected		ug/kg (dw)	5600	CLA	7/12/2002	
Acenaphthene	34208		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2,4-Dinitrophenol	34619		EPA 8270C	Not Detected		ug/kg (dw)	5600	CLA	7/12/2002	
4-Nitrophenol	34649		EPA 8270C	Not Detected		ug/kg (dw)	5600	CLA	7/12/2002	
Dibenzofuran	75647		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Pentachlorobenzene	79790		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2,4-Dinitrotoluene	34614		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
1-Naphthylamine	73143		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2-Naphthylamine	73124		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
2,3,4,6-Tetrachlorophenol			EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Diethylphthalate	34339		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Fluorene	34384		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
4-Chlorophenyl-phenylether	34644		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
4-Nitroaniline	78870		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Diphenylamine			EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
4,6-Dinitro-2-methylphenol	34660		EPA 8270C	Not Detected		ug/kg (dw)	5600	CLA	7/12/2002	
n-Nitrosodiphenylamine	34436		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
1 [illegible]henylhydrazine	34349		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
4-[illegible]omophenyl-phenylether	34639		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Phenacetin	73117		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Hexachlorobenzene	39701		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
4-Aminobiphenyl	73125		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Pentachlorophenol	39061		EPA 8270C	Not Detected		ug/kg (dw)	5600	CLA	7/12/2002	
Pronamide	73031		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Pentachloronitrobenzene	81808		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Phenanthrene	34464		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Anthracene	34223		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Di-n-butylphthalate	39112		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Fluoranthene	34379		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Benzidine	39121		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Pyrene	34472		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
p-Dimethylaminoazobenzene	73116		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Butylbenzylphthalate	34295		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Benzo[a]anthracene	34529		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
3,3'-Dichlorobenzidine	34634		EPA 8270C	Not Detected		ug/kg (dw)	2200	CLA	7/12/2002	
Chyrsene	34323		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
bis(2-Ethylhexyl)phthalate	39102		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	
Di-n-octylphthalate	34599		EPA 8270C	Not Detected		ug/kg (dw)	1100	CLA	7/12/2002	

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B[illegible]b]fluoranthene	34233		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
B[illegible]k]fluoranthene	34245		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
7,12-Dimethylbenz(a)anthracene	73115		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Benzo[a]pyrene	34250		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
3-Methylcholanthrene	73156		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Dibenz(a,j)acridine			EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Indeno[1,2,3-cd]pyrene	34406		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Dibenz[a,h]anthracene	34559		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Benzo[g,h,i]perylene	34524		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Pyridine	73312		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Alpha-BHC	39076		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Gamma-BHC	39343		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Beta-BHC	34257		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Delta-BHC	34262		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Heptachlor	39413		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Aldrin	39333		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Heptachlor Epoxide	39423		EPA 8270C	Not Detected	ug/kg (dw)		2800	CLA	7/12/2002	
Endosulfan 1	34364		EPA 8270C	Not Detected	ug/kg (dw)		5600	CLA	7/12/2002	
Dieldrin	39383		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
p,p'-DDE	39321		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Endrin	39393		EPA 8270C	Not Detected	ug/kg (dw)		2200	CLA	7/12/2002	
Endosulfan 2	34359		EPA 8270C	Not Detected	ug/kg (dw)		5600	CLA	7/12/2002	
p,p'-DDD	39311		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Endrin Aldehyde	34369		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Endosulfan Sulfate	34354		EPA 8270C	Not Detected	ug/kg (dw)		2800	CLA	7/12/2002	
p,p'-DDT	39301		EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
E[illegible]dehyde			EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Caprolactam			EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
1,1'-Biphenyl			EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Atrazine			EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
Carbazole			EPA 8270C	Not Detected	ug/kg (dw)		1100	CLA	7/12/2002	
QC Batch 50041										
Cyanide in Sediment	00721		9010B/9012	Not Detected	ug/kg (dw)		10300	BS	7/2/2002	
Target analyte list for solids by ICP QC Batch 50053										
Silver	01078		6010 B	Not Detected	ug/kg (dw)		1000	LA	7/8/2002	
Aluminum	01108		6010 B	17000000	ug/kg (dw)	D	200000	LA	7/8/2002	
Arsenic	01003		6010 B	Not Detected	ug/kg (dw)		8000	LA	7/8/2002	
Barium	01008		6010 B	58000	ug/kg (dw)		20000	LA	7/8/2002	
Beryllium	01013		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Calcium	00917		6010 B	Not Detected	ug/kg (dw)		500000	LA	7/8/2002	
Cadmium	01028		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Cobalt	01038		6010 B	5300	ug/kg (dw)		5000	LA	7/8/2002	
Chromium	01029		6010 B	7200	ug/kg (dw)		1000	LA	7/8/2002	
Copper	01043		6010 B	4200	ug/kg (dw)		2500	LA	7/8/2002	
Iron	01170		6010 B	6500000	ug/kg (dw)		10000	LA	7/8/2002	
Potassium	00938		6010 B	550000	ug/kg (dw)		500000	LA	7/8/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
M esium	00924		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
M nese	01053		6010 B	470000	ug/kg (dw)	1500	LA	7/8/2002	
Sodium	00934		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
Nickel	01068		6010 B	5100	ug/kg (dw)	4000	LA	7/8/2002	
Lead	01052		6010 B	25000	ug/kg (dw)	9000	LA	7/8/2002	
Antimony	01098		6010 B	Not Detected	ug/kg (dw)	12000	LA	7/8/2002	
Selenium	01148		6010 B	Not Detected	ug/kg (dw)	19000	LA	7/8/2002	
Thallium	34480		6010 B	Not Detected	ug/kg (dw)	20000	LA	7/8/2002	
Vanadium	01088		6010 B	14000	ug/kg (dw)	5000	LA	7/8/2002	
Zinc	01093		6010 B	24000	ug/kg (dw)	2000	LA	7/8/2002	
QC Batch 49961									
Mercury			EPA 7471A	Not Detected	ug/kg (dw)	100	PB	6/27/2002	
Pesticides in Sediment/Soil QC Batch 50017									
TCMX surr std			EPA 8081A	18.8	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCB surr std			EPA 8081A	38.2	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
ALDRIN			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
a-BHC			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
b-BHC			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
d-BHC			EPA 8081A	Not Detected	ug/kg (dw)	4.5	JSM	7/16/2002	
LINDANE (g-BHC)			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	50	JSM	7/16/2002	
4,4-DDE			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
4,4-DDD			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
4,4-DDT			EPA 8081A	Not Detected	ug/kg (dw)	6.5	JSM	7/16/2002	
DIELDRIN			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
E OSULFAN I			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
E SULFAN II			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDOSULFAN SULFATE			EPA 8081A	Not Detected	ug/kg (dw)	8.0	JSM	7/16/2002	
ENDRIN			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDRIN ALDEHYDE			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
HEPTACHLOR			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEPTACHLOR EPOXIDE			EPA 8081A	Not Detected	ug/kg (dw)	4.0	JSM	7/16/2002	
TOXAPHENE			EPA 8081A	Not Detected	ug/kg (dw)	130	JSM	7/16/2002	
CHLORPYRIFOS (DURSBAN)			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEXACHLOROBENZENE			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
METHOXYCHLOR			EPA 8081A	Not Detected	ug/kg (dw)	20	JSM	7/16/2002	
MIREX			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
gamma-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
alpha-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
PCBs in Sediments or Soils QC Batch 50018									
TCMX surr std			EPA 8082	18.8	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCBP surr std			EPA 8082	38.2	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
PCB-1016			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1221			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1232			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1242			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	

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PCB-1248			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1254			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1260			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1262			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	

COMMENTS: $8270S - Sample had one surrogate compound, Terphenyl-d14 (93% recovery, limits 30.1%- 86.7%) with a recovery outside acceptable control limits due to matrix interferences. LCS results were within acceptable control limits. 7-071502-296

COMMENTS: $TAL_S: ICP Metals - Reporting limits raised due to elevated levels of target analytes in sample. 'D'- sample required dilution for this analyte. Analyzed on 07/09/02 with all QC in compliance.

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HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9051

File a separate Request Sheet for each sample point)

Sample ID AD69421
Location: HWMB
Description: OAKWOOD MHP / HW9051
Collector: B. DAVIS
Sample ID: AD69421

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment ✓ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc 2 Shallow/Surf.

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS
   - Semi-Volatiles (Acid & Base\Neutral) ✓
   - Volatiles ✓
   - Pesticides ✓
   - Herbicides _____
   - Organophosphorous Pesticides _____
   - PCB ✓
   - BETX _____
   - Total Petroleum Hydrocarbon _____

2. TOTAL METALS
   - ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
   - Mercury ✓
   - Metals Special Requests: _____

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS

Organics Special Requests: 4 encores

3. TCLP ORGANICS
   - Volatiles _____
   - Semi-Volatiles (Acid & Base/Neutral) _____
   - Pesticides _____
   - Herbicides _____
   - Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS
   - TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____
   - Mercury _____
   - Additional Metals for TCLP: _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

LABORATORY REPORT

TO: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Date Collected:	6/25/2002
Time Collected:	14:15
Sample Collector:	B. DAVIS
Chlorination:	
Sample Type:	
Received By:	TNB
Date Received:	6/26/2002
Time Received:	11:28 AM
Project:	HW
Reporting Date:	7/26/2002
Received Temperature:	0.0 °C

Sample ID:	AD69421
Facility Name:	Oakwood Mhp / Hw9051
Site ID:	HWMB
Location ID:	
Location Descr:	HW9051 DRAINAGE FIELD LOC2

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
8260 Volatiles in Soil/Sed. QC Batch 50118									
Dibromofluoromethane(Surrogate QC Std.)			EPA 8260	54	ug/kg (dw)	0.00	KDD	6/28/2002	*33 to 75*
Toluene-d8(Surrogate QC Std.)			EPA 8260	49	ug/kg (dw)	0.00	KDD	6/28/2002	*39 to 68*
Br[illegible]ofluorobenzene(Surrogate QC Std.)			EPA 8260	48	ug/kg (dw)	0.00	KDD	6/28/2002	*25 to 60*
1 [illegible]hloroethane-d4(Surrogate QC Std.)			EPA 8260	51	ug/kg (dw)	0.00	KDD	6/28/2002	*35 to 65*
Dichlorodifluoromethane	34334		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Chloromethane	34421		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/28/2002	
Bromomethane	34416		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/28/2002	
Vinyl Chloride	34495		EPA 8260	Not Detected	ug/kg (dw)	2.1	KDD	6/28/2002	
Chloroethane	34314		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/28/2002	
Methylene Chloride	34426		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Trichlorofluoromethane	34491		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Acetone	75059		EPA 8260	Not Detected	ug/kg (dw)	110	KDD	6/28/2002	
Dibromomethane	78756		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
trans-1,2-Dichloroethene	34549		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Iodomethane	73121		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Carbon Disulfide	78544		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,1-Dichloroethene	34504		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,1-Dichloroethane	34499		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
cis-1,2-Dichloroethene	77093		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
2,2-Dichloropropane	77170		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Bromochloromethane	77297		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Chloroform	34318		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,1-Dichloropropene	77168		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,2-Dichloroethane	34534		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	

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ug/g: micrograms/gram
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[illegible] parts per billion
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MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
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VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Inorganics:	Pat Sammons	404-206-5239
Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
2-P[illegible]tanone	75078		EPA 8260	Not Detected	ug/kg (dw)	110	KDD	6/28/2002	
1 [illegible]richloroethane	34509		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Carbon Tetrachloride	34299		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Vinyl Acetate	78498		EPA 8260	Not Detected	ug/kg (dw)	53	KDD	6/28/2002	
Bromodichloromethane	34330		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,2-Dichloropropane	34544		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Trichloroethene	34487		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Benzene	34237		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
cis-1,3-Dichloropropene	34702		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
trans-1,3-Dichloropropene	34697		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Dibromochloromethane	34309		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,1,2-Trichloroethane	34514		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Bromoform	34290		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,2,3-Trichloropropane	78490		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
4-Methyl-2-Pentanone	75169		EPA 8260	Not Detected	ug/kg (dw)	53	KDD	6/28/2002	
2-Hexanone	75166		EPA 8260	Not Detected	ug/kg (dw)	53	KDD	6/28/2002	
Tetrachloroethene	34478		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,3-Dichloropropane	77173		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,1,2,2-Tetrachloroethane	34519		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Toluene	34483		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,2-Dibromoethane	79749		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Chlorobenzene	34304		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Ethylbenzene	34374		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,1,1,2-Tetrachloroethane			EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Styrene	75192		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
p,m-Xylene	45510		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/28/2002	
c[illegible]ne	78362		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Isopropylbenzene	77223		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Bromobenzene	78491		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
n-Propylbenzene	77224		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
2-Chlorotoluene	77225		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,3,5-Trimethylbenzene	77226		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
4-Chlorotoluene	77277		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
tert-Butylbenzene	77353		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,2,4-Trimethylbenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
sec-Butylbenzene	77350		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,3-Dichlorobenzene	34569		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
p-Isopropyltoluene	77356		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,4-Dichlorobenzene	34574		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
n-Butylbenzene	77342		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,2-Dichlorobenzene	34539		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,2-Dibromo-3-chloropropane	99999		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,2,4-Trichlorobenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Hexachlorobutadiene	39705		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Naphthalene	34445		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
1,2,3-Trichlorobenzene	77613		EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	
Methyl tert-butyl ether			EPA 8260	Not Detected	ug/kg (dw)	5.3	KDD	6/28/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
1,1,2-Trichlorotrifluoroethane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/28/2002	
N acetate			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/28/2002	
Cyclohexane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/28/2002	
Methylcyclohexane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/28/2002	
Hexanal			EPA 8260	8.9	TIE	ug/kg (dw)	0.00	KDD	6/28/2002	
8270 Semi-Vol in Soil/Sed QC Batch 50455										
2-Fluorophenol(Surrogate QC Std.)			EPA 8270C	55		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 113*
Phenol-d5(Surrogate QC Std.)			EPA 8270C	59		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 125*
Nitrobenzene-d5(Surrogate QC Std.)			EPA 8270C	56		ug/kg (dw)	0.00	CLA	7/12/2002	*12 to 127*
2-Fluorobiphenyl(Surrogate QC Std.)			EPA 8270C	68		ug/kg (dw)	0.00	CLA	7/12/2002	*14 to 136*
2,4,6-Tribromophenol(Surrogate QC Std.)			EPA 8270C	62		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 133*
Terphenyl-d14(Surrogate QC Std.)		U	EPA 8270C	90		ug/kg (dw)	0.00	CLA	7/12/2002	*25 to 148*
n-Nitrosodimethylamine	34441		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Picoline	73310		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Methylmethanesulfonate	73119		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Ethylmethanesulfonate	73118		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Aniline	73185		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Phenol	34695		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroethyl)ether	34276		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Chlorophenol	34589		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,3-Dichlorobenzene	34569		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,4-Dichlorobenzene	34574		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Benzyl alcohol	75212		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
1,2-Dichlorobenzene	34539		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroisopropyl)ether	34286		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
A henone	73272		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitroso-di-n-propylamine	34428		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Hexachloroethane	34399		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Nitrobenzene	34450		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitrosopiperidine	73129		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Isophorone	34411		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Nitrophenol	34594		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dimethylphenol	34609		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroethoxy)methane	34281		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Benzoic acid	75315		EPA 8270C	Not Detected		ug/kg (dw)	5900	CLA	7/12/2002	
2,4-Dichlorophenol	34604		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,2,4-Trichlorobenzene	34554		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
aa-dimethyl-Phenethylamine	73136		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Naphthalene	34445		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Chloroaniline	78867		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
2,6-Dichlorophenol	73122		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Hexachlorobutadiene	38705		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitroso-di-n-butylamine	73159		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Chloro-3-methylphenol	34455		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
2-Methylnaphthalene	78868		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	

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1,2 4 5-Tetrachlorobenzene	79787		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
H ilorocyclopentadiene	34389		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,4,6-Trichlorophenol	34624		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,4,5-Trichlorophenol	78401		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2-Chloronaphthalene	34584		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
1-Chloronaphthalene			EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2-Nitroaniline	78299		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Dimethylphthalate	34344		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Acenaphthylene	34203		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,6-Dinitrotoluene	34629		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
3-Nitroaniline	78869		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Acenaphthene	34208		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dinitrophenol	34619		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
4-Nitrophenol	34649		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Dibenzofuran	75647		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pentachlorobenzene	79790		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dinitrotoluene	34614		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
1-Naphthylamine	73143		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2-Naphthylamine	73124		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,3,4,6-Tetrachlorophenol			EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Diethylphthalate	34339		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Fluorene	34384		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Chlorophenyl-phenylether	34644		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Nitroaniline	78870		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Diphenylamine			EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4,6-Dinitro-2-methylphenol	34660		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
r sodiphenylamine	34436		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
1,2-Diphenylhydrazine	34349		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Bromophenyl-phenylether	34639		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Phenacetin	73117		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Hexachlorobenzene	39701		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Aminobiphenyl	73125		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pentachlorophenol	39061		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Pronamide	73031		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pentachloronitrobenzene	81808		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Phenanthrene	34464		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Anthracene	34223		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Di-n-butylphthalate	39112		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Fluoranthene	34379		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Benzidine	39121		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pyrene	34472		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
p-Dimethylaminoazobenzene	73116		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Butylbenzylphthalate	34295		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Benzo[a]anthracene	34529		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
3,3'-Dichlorobenzidine	34634		EPA 8270C	Not Detected	ug/kg (dw)	2300	CLA	7/12/2002	
Chyrsene	34323		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Ethylhexyl)phthalate	39102		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	

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Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
Di-n-octylphthalate	34599		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzo[b]fluoranthene	34233		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzo[k]fluoranthene	34245		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
7,12-Dimethylbenz(a)anthracene	73115		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzo[a]pyrene	34250		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
3-Methylcholanthrene	73156		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Dibenz(a,j)acridine			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Indeno[1,2,3-cd]pyrene	34406		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Dibenz[a,h]anthracene	34559		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzo[g,h,i]perylene	34524		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Pyridine	73312		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Alpha-BHC	39076		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Gamma-BHC	39343		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Beta-BHC	34257		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Delta-BHC	34262		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Heptachlor	39413		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Aldrin	39333		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Heptachlor Epoxide	39423		EPA 8270C	Not Detected	ug/kg (dw)		3000	CLA	7/12/2002	
Endosulfan 1	34364		EPA 8270C	Not Detected	ug/kg (dw)		5900	CLA	7/12/2002	
Dieldrin	39383		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
p,p'-DDE	39321		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endrin	39393		EPA 8270C	Not Detected	ug/kg (dw)		2400	CLA	7/12/2002	
Endosulfan 2	34359		EPA 8270C	Not Detected	ug/kg (dw)		5900	CLA	7/12/2002	
p,p'-DDD	39311		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endrin Aldehyde	34369		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endosulfan Sulfate	34354		EPA 8270C	Not Detected	ug/kg (dw)		3000	CLA	7/12/2002	
p,p'-DDT	39301		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzaldehyde			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Caprolactam			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
1,1'-Biphenyl			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Atrazine			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Carbazole			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
QC Batch 50041										
Cyanide in Sediment	00721		9010B/9012	Not Detected	ug/kg (dw)		10800	BS	7/2/2002	
Target analyte list for solids by ICP QC Batch 50053										
Silver	01078		6010 B	Not Detected	ug/kg (dw)		1000	LA	7/8/2002	
Aluminum	01108		6010 B	19000000	ug/kg (dw)	D	200000	LA	7/8/2002	
Arsenic	01003		6010 B	Not Detected	ug/kg (dw)		8000	LA	7/8/2002	
Barium	01008		6010 B	66000	ug/kg (dw)		20000	LA	7/8/2002	
Beryllium	01013		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Calcium	00917		6010 B	Not Detected	ug/kg (dw)		500000	LA	7/8/2002	
Cadmium	01028		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Cobalt	01038		6010 B	Not Detected	ug/kg (dw)		5000	LA	7/8/2002	
Chromium	01029		6010 B	11000	ug/kg (dw)		1000	LA	7/8/2002	
Copper	01043		6010 B	3700	ug/kg (dw)		2500	LA	7/8/2002	
Iron	01170		6010 B	7100000	ug/kg (dw)		10000	LA	7/8/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
Potassium	00938		6010 B	830000	ug/kg (dw)	500000	LA	7/8/2002	
Magnesium	00924		6010 B	900000	ug/kg (dw)	500000	LA	7/8/2002	
Manganese	01053		6010 B	410000	ug/kg (dw)	1500	LA	7/8/2002	
Sodium	00934		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
Nickel	01068		6010 B	4500	ug/kg (dw)	4000	LA	7/8/2002	
Lead	01052		6010 B	28000	ug/kg (dw)	9000	LA	7/8/2002	
Antimony	01098		6010 B	Not Detected	ug/kg (dw)	12000	LA	7/8/2002	
Selenium	01148		6010 B	Not Detected	ug/kg (dw)	19000	LA	7/8/2002	
Thallium	34480		6010 B	Not Detected	ug/kg (dw)	20000	LA	7/8/2002	
Vanadium	01088		6010 B	15000	ug/kg (dw)	5000	LA	7/8/2002	
Zinc	01093		6010 B	26000	ug/kg (dw)	2000	LA	7/8/2002	
QC Batch 49961									
Mercury			EPA 7471A	Not Detected	ug/kg (dw)	100	PB	6/27/2002	
Pesticides in Sediment/Soil QC Batch 50017									
TCMX surr std			EPA 8081A	17.0	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCB surr std			EPA 8081A	36.5	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
ALDRIN			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
a-BHC			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
b-BHC			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
d-BHC			EPA 8081A	Not Detected	ug/kg (dw)	4.5	JSM	7/16/2002	
LINDANE (g-BHC)			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	50	JSM	7/16/2002	
4,4-DDE			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
4,4-DDD			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
4,4-DDT			EPA 8081A	Not Detected	ug/kg (dw)	6.5	JSM	7/16/2002	
DIELDRIN			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
ENDOSULFAN I			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
ENDOSULFAN II			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDOSULFAN SULFATE			EPA 8081A	Not Detected	ug/kg (dw)	8.0	JSM	7/16/2002	
ENDRIN			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDRIN ALDEHYDE			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
HEPTACHLOR			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEPTACHLOR EPOXIDE			EPA 8081A	Not Detected	ug/kg (dw)	4.0	JSM	7/16/2002	
TOXAPHENE			EPA 8081A	Not Detected	ug/kg (dw)	130	JSM	7/16/2002	
CHLORPYRIFOS (DURSBAN)			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEXACHLOROBENZENE			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
METHOXYCHLOR			EPA 8081A	Not Detected	ug/kg (dw)	20	JSM	7/16/2002	
MIREX			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
gamma-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
alpha-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
PCBs in Sediments or Soils QC Batch 50018									
TCMX surr std			EPA 8082	17.0	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCBP surr std			EPA 8082	36.5	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
PCB-1016			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1221			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1232			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
PCB-1242			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1248			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1254			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1260			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1262			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	

COMMENTS: $8270S - Sample had one surrogate compound, Terphenyl-d14 (90% recovery, limits 30.1%- 86.7%) with a recovery outside acceptable control limits due to matrix interferences. LCS results were within acceptable control limits. 7-071502-296

COMMENTS: $TAL_S: ICP Metals - Reporting limits raised due to elevated levels of target analytes in sample. 'D'- sample required dilution for this analyte. Analyzed on 07/09/02 with all QC in compliance.

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HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9055

File a separate Request Sheet for each sample point)

Sample ID AD69422
Location: HWMB
Description: OAKWOOD MHP / HW9055
Collector: B. DAVIS
Sample ID: AD69422

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment ✓ Sludge _____
Ground Water _____ Surface Water _____ Drinking Water Well _____

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

loc 3 subsurface

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS
   - Semi-Volatiles (Acid & Base\Neutral) ✓
   - Volatiles ✓
   - Pesticides ✓
   - Herbicides _____
   - Organophosphorous Pesticides _____
   - PCB ✓
   - BETX _____
   - Total Petroleum Hydrocarbon _____

2. TOTAL METALS
   - ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) ✓
   - Mercury ✓
   - Metals Special Requests: _____

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS

Organics Special Requests: _____

4 encores

3. TCLP ORGANICS
   - Volatiles _____
   - Semi-Volatiles (Acid & Base/Neutral) _____
   - Pesticides _____
   - Herbicides _____
   - Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS
   - TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____
   - Mercury _____
   - Additional Metals for TCLP: _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

LABORATORY REPORT

TO: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Date Collected:	6/25/2002
Time Collected:	15:45
Sample Collector:	B. DAVIS
Chlorination:	
Sample Type:	
Received By:	TNB
Date Received:	6/26/2002
Time Received:	11:28 AM
Project:	HW
Reporting Date:	7/26/2002
Received Temperature:	0.0 °C

Sample ID:	AD69422
Facility Name:	Oakwood Mhp / Hw9055
Site ID:	HWMB
Location ID:	
Location Descr:	HW9055 DRAINAGE FIELD LOC3

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
8260 Volatiles in Soil/Sed. QC Batch 50118									
Dibromofluoromethane(Surrogate QC Std.)			EPA 8260	55	ug/kg (dw)	0.00	KDD	6/28/2002	*33 to 75*
Toluene-d8(Surrogate QC Std.)			EPA 8260	50	ug/kg (dw)	0.00	KDD	6/28/2002	*39 to 68*
[illegible]mofluorobenzene(Surrogate QC Std.)			EPA 8260	49	ug/kg (dw)	0.00	KDD	6/28/2002	*25 to 60*
[illegible]Dichloroethane-d4(Surrogate QC Std.)			EPA 8260	52	ug/kg (dw)	0.00	KDD	6/28/2002	*35 to 65*
Dichlorodifluoromethane	34334		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Chloromethane	34421		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/28/2002	
Bromomethane	34416		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/28/2002	
Vinyl Chloride	34495		EPA 8260	Not Detected	ug/kg (dw)	2.2	KDD	6/28/2002	
Chloroethane	34314		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/28/2002	
Methylene Chloride	34426		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Trichlorofluoromethane	34491		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Acetone	75059		EPA 8260	Not Detected	ug/kg (dw)	110	KDD	6/28/2002	
Dibromomethane	78756		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
trans-1,2-Dichloroethene	34549		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Iodomethane	73121		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Carbon Disulfide	78544		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,1-Dichloroethene	34504		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,1-Dichloroethane	34499		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
cis-1,2-Dichloroethene	77093		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
2,2-Dichloropropane	77170		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Bromochloromethane	77297		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Chloroform	34318		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,1-Dichloropropene	77168		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,2-Dichloroethane	34534		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	

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2-[illegible]anone	75078		EPA 8260	Not Detected	ug/kg (dw)	110	KDD	6/28/2002	
1, [illegible]richloroethane	34509		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Carbon Tetrachloride	34299		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Vinyl Acetate	78498		EPA 8260	Not Detected	ug/kg (dw)	56	KDD	6/28/2002	
Bromodichloromethane	34330		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,2-Dichloropropane	34544		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Trichloroethene	34487		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Benzene	34237		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
cis-1,3-Dichloropropene	34702		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
trans-1,3-Dichloropropene	34697		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Dibromochloromethane	34309		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,1,2-Trichloroethane	34514		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Bromoform	34290		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,2,3-Trichloropropane	78490		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
4-Methyl-2-Pentanone	75169		EPA 8260	Not Detected	ug/kg (dw)	56	KDD	6/28/2002	
2-Hexanone	75166		EPA 8260	Not Detected	ug/kg (dw)	56	KDD	6/28/2002	
Tetrachloroethene	34478		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,3-Dichloropropane	77173		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,1,2,2-Tetrachloroethane	34519		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Toluene	34483		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,2-Dibromoethane	79749		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Chlorobenzene	34304		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Ethylbenzene	34374		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,1,1,2-Tetrachloroethane			EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Styrene	75192		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
p,m-Xylene	45510		EPA 8260	Not Detected	ug/kg (dw)	11	KDD	6/28/2002	
[illegible]ene	78362		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Isopropylbenzene	77223		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Bromobenzene	78491		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
n-Propylbenzene	77224		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
2-Chlorotoluene	77225		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,3,5-Trimethylbenzene	77226		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
4-Chlorotoluene	77277		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
tert-Butylbenzene	77353		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,2,4-Trimethylbenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
sec-Butylbenzene	77350		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,3-Dichlorobenzene	34569		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
p-Isopropyltoluene	77356		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,4-Dichlorobenzene	34574		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
n-Butylbenzene	77342		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,2-Dichlorobenzene	34539		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,2-Dibromo-3-chloropropane	99999		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,2,4-Trichlorobenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Hexachlorobutadiene	39705		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Naphthalene	34445		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
1,2,3-Trichlorobenzene	77613		EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	
Methyl tert-butyl ether			EPA 8260	Not Detected	ug/kg (dw)	5.6	KDD	6/28/2002	

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1 ' ' Trichlorotrifluoroethane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/28/2002	
M acetate			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/28/2002	
Cyclohexane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/28/2002	
Methylcyclohexane			EPA 8260	Not Detected		ug/kg (dw)	11	KDD	6/28/2002	
8270 Semi-Vol in Soil/Sed QC Batch 50455										
2-Fluorophenol(Surrogate QC Std.)			EPA 8270C	57		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 113*
Phenol-d5(Surrogate QC Std.)			EPA 8270C	62		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 125*
Nitrobenzene-d5(Surrogate QC Std.)			EPA 8270C	64		ug/kg (dw)	0.00	CLA	7/12/2002	*12 to 127*
2-Fluorobiphenyl(Surrogate QC Std.)			EPA 8270C	64		ug/kg (dw)	0.00	CLA	7/12/2002	*14 to 136*
2,4,6-Tribromophenol(Surrogate QC Std.)			EPA 8270C	61		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 133*
Terphenyl-d14(Surrogate QC Std.)		U	EPA 8270C	97		ug/kg (dw)	0.00	CLA	7/12/2002	*25 to 148*
n-Nitrosodimethylamine	34441		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Picoline	73310		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Methylmethanesulfonate	73119		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Ethylmethanesulfonate	73118		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Aniline	73185		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Phenol	34695		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroethyl)ether	34276		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Chlorophenol	34589		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,3-Dichlorobenzene	34569		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,4-Dichlorobenzene	34574		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Benzyl alcohol	75212		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
1,2-Dichlorobenzene	34539		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroisopropyl)ether	34286		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
A ^^tophenone	73272		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
;thylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitroso-di-n-propylamine	34428		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Hexachloroethane	34399		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Nitrobenzene	34450		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitrosopiperidine	73129		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Isophorone	34411		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Nitrophenol	34594		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dimethylphenol	34609		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroethoxy)methane	34281		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Benzoic acid	75315		EPA 8270C	Not Detected		ug/kg (dw)	5900	CLA	7/12/2002	
2,4-Dichlorophenol	34604		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,2,4-Trichlorobenzene	34554		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
aa-dimethyl-Phenethylamine	73136		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Naphthalene	34445		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Chloroaniline	78867		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
2,6-Dichlorophenol	73122		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Hexachlorobutadiene	38705		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitroso-di-n-butylamine	73159		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Chloro-3-methylphenol	34455		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
2-Methylnaphthalene	78868		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,2,4,5-Tetrachlorobenzene	79787		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	

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Hc hlorocyclopentadiene	34389		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2, richlorophenol	34624		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,4,5-Trichlorophenol	78401		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2-Chloronaphthalene	34584		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
1-Chloronaphthalene			EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2-Nitroaniline	78299		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Dimethylphthalate	34344		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Acenaphthylene	34203		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,6-Dinitrotoluene	34629		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
3-Nitroaniline	78869		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Acenaphthene	34208		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dinitrophenol	34619		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
4-Nitrophenol	34649		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Dibenzofuran	75647		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pentachlorobenzene	79790		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dinitrotoluene	34614		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
1-Naphthylamine	73143		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2-Naphthylamine	73124		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
2,3,4,6-Tetrachlorophenol			EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Diethylphthalate	34339		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Fluorene	34384		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Chlorophenyl-phenylether	34644		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Nitroaniline	78870		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Diphenylamine			EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4,6-Dinitro-2-methylphenol	34660		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
n Nitrosodiphenylamine	34436		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
iiphenylhydrazine	34349		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Bromophenyl-phenylether	34639		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Phenacetin	73117		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Hexachlorobenzene	39701		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
4-Aminobiphenyl	73125		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pentachlorophenol	39061		EPA 8270C	Not Detected	ug/kg (dw)	5900	CLA	7/12/2002	
Pronamide	73031		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pentachloronitrobenzene	81808		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Phenanthrene	34464		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Anthracene	34223		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Di-n-butylphthalate	39112		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Fluoranthene	34379		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Benzidine	39121		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Pyrene	34472		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
p-Dimethylaminoazobenzene	73116		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Butylbenzylphthalate	34295		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Benzo[a]anthracene	34529		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
3,3'-Dichlorobenzidine	34634		EPA 8270C	Not Detected	ug/kg (dw)	2300	CLA	7/12/2002	
Chyrsene	34323		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Ethylhexyl)phthalate	39102		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	
Di-n-octylphthalate	34599		EPA 8270C	Not Detected	ug/kg (dw)	1200	CLA	7/12/2002	

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B[illegible]n[b]fluoranthene	34233		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
B[illegible]k]fluoranthene	34245		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
7,12-Dimethylbenz(a)anthracene	73115		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzo[a]pyrene	34250		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
3-Methylcholanthrene	73156		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Dibenz(a,j)acridine			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Indeno[1,2,3-cd]pyrene	34406		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Dibenz[a,h]anthracene	34559		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzo[g,h,i]perylene	34524		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Pyridine	73312		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Alpha-BHC	39076		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Gamma-BHC	39343		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Beta-BHC	34257		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Delta-BHC	34262		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Heptachlor	39413		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Aldrin	39333		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Heptachlor Epoxide	39423		EPA 8270C	Not Detected	ug/kg (dw)		3000	CLA	7/12/2002	
Endosulfan 1	34364		EPA 8270C	Not Detected	ug/kg (dw)		5900	CLA	7/12/2002	
Dieldrin	39383		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
p,p'-DDE	39321		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endrin	39393		EPA 8270C	Not Detected	ug/kg (dw)		2400	CLA	7/12/2002	
Endosulfan 2	34359		EPA 8270C	Not Detected	ug/kg (dw)		5900	CLA	7/12/2002	
p,p'-DDD	39311		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endrin Aldehyde	34369		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endosulfan Sulfate	34354		EPA 8270C	Not Detected	ug/kg (dw)		3000	CLA	7/12/2002	
p,p'-DDT	39301		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
[illegible]aldehyde			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Caprolactam			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
1,1'-Biphenyl			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Atrazine			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Carbazole			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
QC Batch 50041										
Cyanide in Sediment	00721		9010B/9012	Not Detected	ug/kg (dw)		10600	BS	7/2/2002	
Target analyte list for solids by ICP QC Batch 50053										
Silver	01078		6010 B	Not Detected	ug/kg (dw)		1000	LA	7/8/2002	
Aluminum	01108		6010 B	28000000	ug/kg (dw)	D	200000	LA	7/8/2002	
Arsenic	01003		6010 B	Not Detected	ug/kg (dw)		8000	LA	7/8/2002	
Barium	01008		6010 B	33000	ug/kg (dw)		20000	LA	7/8/2002	
Beryllium	01013		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Calcium	00917		6010 B	Not Detected	ug/kg (dw)		500000	LA	7/8/2002	
Cadmium	01028		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Cobalt	01038		6010 B	Not Detected	ug/kg (dw)		5000	LA	7/8/2002	
Chromium	01029		6010 B	12000	ug/kg (dw)		1000	LA	7/8/2002	
Copper	01043		6010 B	5600	ug/kg (dw)		2500	LA	7/8/2002	
Iron	01170		6010 B	14000000	ug/kg (dw)	D	100000	LA	7/8/2002	
Potassium	00938		6010 B	800000	ug/kg (dw)		500000	LA	7/8/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
M[illegible]esium	00924		6010 B	570000	ug/kg (dw)	500000	LA	7/8/2002	
M[illegible]nese	01053		6010 B	120000	ug/kg (dw)	1500	LA	7/8/2002	
Sodium	00934		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
Nickel	01068		6010 B	5900	ug/kg (dw)	4000	LA	7/8/2002	
Lead	01052		6010 B	20000	ug/kg (dw)	9000	LA	7/8/2002	
Antimony	01098		6010 B	Not Detected	ug/kg (dw)	12000	LA	7/8/2002	
Selenium	01148		6010 B	Not Detected	ug/kg (dw)	19000	LA	7/8/2002	
Thallium	34480		6010 B	Not Detected	ug/kg (dw)	20000	LA	7/8/2002	
Vanadium	01088		6010 B	23000	ug/kg (dw)	5000	LA	7/8/2002	
Zinc	01093		6010 B	23000	ug/kg (dw)	2000	LA	7/8/2002	
QC Batch 49961									
Mercury			EPA 7471A	Not Detected	ug/kg (dw)	100	PB	6/27/2002	
Pesticides in Sediment/Soil QC Batch 50017									
TCMX surr std			EPA 8081A	17.7	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCB surr std			EPA 8081A	36.7	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
ALDRIN			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
a-BHC			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
b-BHC			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
d-BHC			EPA 8081A	Not Detected	ug/kg (dw)	4.5	JSM	7/16/2002	
LINDANE (g-BHC)			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	50	JSM	7/16/2002	
4,4-DDE			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
4,4-DDD			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
4,4-DDT			EPA 8081A	Not Detected	ug/kg (dw)	6.5	JSM	7/16/2002	
DIELDRIN			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
[illegible]OSULFAN I			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
[illegible]OSULFAN II			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDOSULFAN SULFATE			EPA 8081A	Not Detected	ug/kg (dw)	8.0	JSM	7/16/2002	
ENDRIN			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDRIN ALDEHYDE			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
HEPTACHLOR			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEPTACHLOR EPOXIDE			EPA 8081A	Not Detected	ug/kg (dw)	4.0	JSM	7/16/2002	
TOXAPHENE			EPA 8081A	Not Detected	ug/kg (dw)	130	JSM	7/16/2002	
CHLORPYRIFOS (DURSBAN)			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEXACHLOROBENZENE			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
METHOXYCHLOR			EPA 8081A	Not Detected	ug/kg (dw)	20	JSM	7/16/2002	
MIREX			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
gamma-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
alpha-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
PCBs in Sediments or Soils QC Batch 50018									
TCMX surr std			EPA 8082	17.7	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCBP surr std			EPA 8082	36.7	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
PCB-1016			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1221			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1232			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1242			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	

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ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
org/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Inorganics:	Pat Sammons	404-206-5239
Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
PCB-1248			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1254			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1260			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	
PCB-1262			EPA 8082	Not Detected		ug/kg (dw)	33	JSM	7/16/2002	

COMMENTS: $8270S - Sample had one surrogate compound, Terphenyl-d14 (97% recovery, limits 30.1%- 86.7%) with a recovery outside acceptable control limits due to matrix interferences. LCS results were within acceptable control limits. 7-071502-296

COMMENTS: $TAL_S: ICP Metals - Reporting limits raised due to elevated levels of target analytes in sample. 'D'- sample required dilution for this analyte. Analyzed on 07/09/02 with all QC in compliance.

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HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: 9057

File a separate Request Sheet for each sample point)

Sample ID AD69424
Location: HWMB
Description: OAKWOOD MHP / HW9057
Collector: B. DAVIS
Sample ID: AD69424

Analysis Needed By: Routine ✓ Other (specify) _____

Sample Description (check one)

Waste		Soil/Sediment	✓	Sludge	
Ground Water		Surface Water		Drinking Water Well	

Concentration of Organics Requested (estimated): High ___ Low ___ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration);

drainage field location 1 subsurface

Applicable Hazardous Waste Codes (if known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base\Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	✓
BETX	
Total Petroleum Hydrocarbon	

Organics Special Requests: _____

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

1 4 OZ. JARS
4 8 OZ. JARS
1 16 OZ. JARS

4 encores

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): CN

TNB

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 0.0 °

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

LABORATORY REPORT

TO: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Date Collected:	6/25/2002
Time Collected:	12:30
Sample Collector:	B. DAVIS
Chlorination:	
Sample Type:	
Received By:	TNB
Date Received:	6/26/2002
Time Received:	11:28 AM
Project:	HW
Reporting Date:	7/26/2002
Received Temperature:	0.0 °C

Sample ID:	AD69424
Facility Name:	Oakwood Mhp / Hw9057
Site ID:	HWMB
Location ID:	
Location Descr:	HW9057 DRAINAGE FIELD LOC1

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
8260 Volatiles in Soil/Sed. QC Batch 50118										
Dibromofluoromethane(Surrogate QC Std.)			EPA 8260	54	ug/kg (dw)			KDD	6/28/2002	*33 to 75*
Toluene-d8(Surrogate QC Std.)			EPA 8260	49	ug/kg (dw)			KDD	6/28/2002	*39 to 68*
Br[illegible]fluorobenzene(Surrogate QC Std.)			EPA 8260	49	ug/kg (dw)			KDD	6/28/2002	*25 to 60*
1, [illegible]hloroethane-d4(Surrogate QC Std.)			EPA 8260	51	ug/kg (dw)			KDD	6/28/2002	*35 to 65*
Dichlorodifluoromethane	34334		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Chloromethane	34421		EPA 8260	Not Detected	ug/kg (dw)		10	KDD	6/28/2002	
Bromomethane	34416		EPA 8260	Not Detected	ug/kg (dw)		10	KDD	6/28/2002	
Vinyl Chloride	34495		EPA 8260	Not Detected	ug/kg (dw)		2	KDD	6/28/2002	
Chloroethane	34314		EPA 8260	Not Detected	ug/kg (dw)		10	KDD	6/28/2002	
Methylene Chloride	34426		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Trichlorofluoromethane	34491		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Acetone	75059		EPA 8260	Not Detected	ug/kg (dw)		100	KDD	6/28/2002	
Dibromomethane	78756		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
trans-1,2-Dichloroethene	34549		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Iodomethane	73121		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Carbon Disulfide	78544		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
1,1-Dichloroethene	34504		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
1,1-Dichloroethane	34499		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
cis-1,2-Dichloroethene	77093		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
2,2-Dichloropropane	77170		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Bromochloromethane	77297		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
Chloroform	34318		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
1,1-Dichloropropene	77168		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	
1,2-Dichloroethane	34534		EPA 8260	Not Detected	ug/kg (dw)		5	KDD	6/28/2002	

ug/L: micrograms/liter
mg/L: milligrams/liter
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ug/kg: micrograms/kilogram
ug/g: micrograms/gram
[illegible]m: parts per million
parts per billion
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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
2-Butanone	75078		EPA 8260	Not Detected	ug/kg (dw)	100	KDD	6/28/2002	
1 richloroethane	34509		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Carbon Tetrachloride	34299		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Vinyl Acetate	78498		EPA 8260	Not Detected	ug/kg (dw)	50	KDD	6/28/2002	
Bromodichloromethane	34330		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2-Dichloropropane	34544		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Trichloroethene	34487		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Benzene	34237		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
cis-1,3-Dichloropropene	34702		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
trans-1,3-Dichloropropene	34697		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Dibromochloromethane	34309		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,1,2-Trichloroethane	34514		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Bromoform	34290		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2,3-Trichloropropane	78490		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
4-Methyl-2-Pentanone	75169		EPA 8260	Not Detected	ug/kg (dw)	50	KDD	6/28/2002	
2-Hexanone	75166		EPA 8260	Not Detected	ug/kg (dw)	50	KDD	6/28/2002	
Tetrachloroethene	34478		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,3-Dichloropropane	77173		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,1,2,2-Tetrachloroethane	34519		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Toluene	34483		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2-Dibromoethane	79749		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Chlorobenzene	34304		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Ethylbenzene	34374		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,1,1,2-Tetrachloroethane			EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Styrene	75192		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
p,m-Xylene	45510		EPA 8260	Not Detected	ug/kg (dw)	10	KDD	6/28/2002	
o ne	78362		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Isopropylbenzene	77223		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Bromobenzene	78491		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
n-Propylbenzene	77224		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
2-Chlorotoluene	77225		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,3,5-Trimethylbenzene	77226		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
4-Chlorotoluene	77277		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
tert-Butylbenzene	77353		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2,4-Trimethylbenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
sec-Butylbenzene	77350		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,3-Dichlorobenzene	34569		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
p-Isopropyltoluene	77356		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,4-Dichlorobenzene	34574		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
n-Butylbenzene	77342		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2-Dichlorobenzene	34539		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2-Dibromo-3-chloropropane	99999		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2,4-Trichlorobenzene	34554		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Hexachlorobutadiene	39705		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Naphthalene	34445		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
1,2,3-Trichlorobenzene	77613		EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	
Methyl tert-butyl ether			EPA 8260	Not Detected	ug/kg (dw)	5	KDD	6/28/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER	UNITS	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
1,1 2-Trichlorotrifluoroethane			EPA 8260	Not Detected		ug/kg (dw)	10	KDD	6/28/2002	
M acetate			EPA 8260	Not Detected		ug/kg (dw)	10	KDD	6/28/2002	
Cyclohexane			EPA 8260	Not Detected		ug/kg (dw)	10	KDD	6/28/2002	
Methylcyclohexane			EPA 8260	Not Detected		ug/kg (dw)	10	KDD	6/28/2002	
8270 Semi-Vol in Soil/Sed QC Batch 50455										
2-Fluorophenol(Surrogate QC Std.)			EPA 8270C	63		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 113*
Phenol-d5(Surrogate QC Std.)			EPA 8270C	67		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 125*
Nitrobenzene-d5(Surrogate QC Std.)			EPA 8270C	66		ug/kg (dw)	0.00	CLA	7/12/2002	*12 to 127*
2-Fluorobiphenyl(Surrogate QC Std.)			EPA 8270C	66		ug/kg (dw)	0.00	CLA	7/12/2002	*14 to 136*
2,4,6-Tribromophenol(Surrogate QC Std.)			EPA 8270C	59		ug/kg (dw)	0.00	CLA	7/12/2002	*10 to 133*
Terphenyl-d14(Surrogate QC Std.)		U	EPA 8270C	88		ug/kg (dw)	0.00	CLA	7/12/2002	*25 to 148*
n-Nitrosodimethylamine	34441		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Picoline	73310		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Methylmethanesulfonate	73119		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Ethylmethanesulfonate	73118		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Aniline	73185		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Phenol	34695		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroethyl)ether	34276		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Chlorophenol	34589		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,3-Dichlorobenzene	34569		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,4-Dichlorobenzene	34574		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Benzyl alcohol	75212		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
1,2-Dichlorobenzene	34539		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Methylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroisopropyl)ether	34286		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Acetophenone	73272		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4 ylphenol			EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitroso-di-n-propylamine	34428		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Hexachloroethane	34399		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Nitrobenzene	34450		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitrosopiperidine	73129		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Isophorone	34411		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Nitrophenol	34594		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dimethylphenol	34609		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Chloroethoxy)methane	34281		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Benzoic acid	75315		EPA 8270C	Not Detected		ug/kg (dw)	5900	CLA	7/12/2002	
2,4-Dichlorophenol	34604		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,2,4-Trichlorobenzene	34554		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
aa-dimethyl-Phenethylamine	73136		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Naphthalene	34445		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Chloroaniline	78867		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
2,6-Dichlorophenol	73122		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Hexachlorobutadiene	38705		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
n-Nitroso-di-n-butylamine	73159		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Chloro-3-methylphenol	34455		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
2-Methylnaphthalene	78868		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1,2,4,5-Tetrachlorobenzene	79787		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	

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Hexachlorocyclopentadiene	34389		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2 richlorophenol	34624		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2,4,5-Trichlorophenol	78401		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Chloronaphthalene	34584		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1-Chloronaphthalene			EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Nitroaniline	78299		EPA 8270C	Not Detected		ug/kg (dw)	5900	CLA	7/12/2002	
Dimethylphthalate	34344		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Acenaphthylene	34203		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2,6-Dinitrotoluene	34629		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
3-Nitroaniline	78869		EPA 8270C	Not Detected		ug/kg (dw)	5900	CLA	7/12/2002	
Acenaphthene	34208		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dinitrophenol	34619		EPA 8270C	Not Detected		ug/kg (dw)	5900	CLA	7/12/2002	
4-Nitrophenol	34649		EPA 8270C	Not Detected		ug/kg (dw)	5900	CLA	7/12/2002	
Dibenzofuran	75647		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Pentachlorobenzene	79790		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2,4-Dinitrotoluene	34614		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1-Naphthylamine	73143		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2-Naphthylamine	73124		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
2,3,4,6-Tetrachlorophenol			EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Diethylphthalate	34339		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Fluorene	34384		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Chlorophenyl-phenylether	34644		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Nitroaniline	78870		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Diphenylamine			EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4,6-Dinitro-2-methylphenol	34660		EPA 8270C	Not Detected		ug/kg (dw)	5900	CLA	7/12/2002	
n-Nitrosodiphenylamine	34436		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
1 henylhydrazine	34349		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Bromophenyl-phenylether	34639		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Phenacetin	73117		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Hexachlorobenzene	39701		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
4-Aminobiphenyl	73125		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Pentachlorophenol	39061		EPA 8270C	Not Detected		ug/kg (dw)	5900	CLA	7/12/2002	
Pronamide	73031		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Pentachloronitrobenzene	81808		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Phenanthrene	34464		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Anthracene	34223		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Di-n-butylphthalate	39112		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Fluoranthene	34379		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Benzidine	39121		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Pyrene	34472		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
p-Dimethylaminoazobenzene	73116		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Butylbenzylphthalate	34295		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
Benzo[a]anthracene	34529		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
3,3'-Dichlorobenzidine	34634		EPA 8270C	Not Detected		ug/kg (dw)	2300	CLA	7/12/2002	
Chyrsene	34323		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	
bis(2-Ethylhexyl)phthalate	39102		EPA 8270C	1300		ug/kg (dw)	1200	CLA	7/12/2002	
Di-n-octylphthalate	34599		EPA 8270C	Not Detected		ug/kg (dw)	1200	CLA	7/12/2002	

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Benzo[b]fluoranthene	34233		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
B k]fluoranthene	34245		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
7,12-Dimethylbenz(a)anthracene	73115		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzo[a]pyrene	34250		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
3-Methylcholanthrene	73156		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Dibenz(a,j)acridine			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Indeno[1,2,3-cd]pyrene	34406		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Dibenz[a,h]anthracene	34559		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Benzo[g,h,i]perylene	34524		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Pyridine	73312		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Alpha-BHC	39076		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Gamma-BHC	39343		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Beta-BHC	34257		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Delta-BHC	34262		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Heptachlor	39413		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Aldrin	39333		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Heptachlor Epoxide	39423		EPA 8270C	Not Detected	ug/kg (dw)		3000	CLA	7/12/2002	
Endosulfan 1	34364		EPA 8270C	Not Detected	ug/kg (dw)		5900	CLA	7/12/2002	
Dieldrin	39383		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
p,p'-DDE	39321		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endrin	39393		EPA 8270C	Not Detected	ug/kg (dw)		2400	CLA	7/12/2002	
Endosulfan 2	34359		EPA 8270C	Not Detected	ug/kg (dw)		5900	CLA	7/12/2002	
p,p'-DDD	39311		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endrin Aldehyde	34369		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Endosulfan Sulfate	34354		EPA 8270C	Not Detected	ug/kg (dw)		3000	CLA	7/12/2002	
p,p'-DDT	39301		EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
E dehyde			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Caprolactam			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
1,1'-Biphenyl			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Atrazine			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
Carbazole			EPA 8270C	Not Detected	ug/kg (dw)		1200	CLA	7/12/2002	
QC Batch 50041										
Cyanide in Sediment	00721		9010B/9012	Not Detected	ug/kg (dw)		11400	BS	7/2/2002	
Target analyte list for solids by ICP QC Batch 50053										
Silver	01078		6010 B	Not Detected	ug/kg (dw)		1000	LA	7/8/2002	
Aluminum	01108		6010 B	26000000	ug/kg (dw)	D	200000	LA	7/8/2002	
Arsenic	01003		6010 B	Not Detected	ug/kg (dw)		8000	LA	7/8/2002	
Barium	01008		6010 B	26000	ug/kg (dw)		20000	LA	7/8/2002	
Beryllium	01013		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Calcium	00917		6010 B	Not Detected	ug/kg (dw)		500000	LA	7/8/2002	
Cadmium	01028		6010 B	Not Detected	ug/kg (dw)		500	LA	7/8/2002	
Cobalt	01038		6010 B	Not Detected	ug/kg (dw)		5000	LA	7/8/2002	
Chromium	01029		6010 B	8500	ug/kg (dw)		1000	LA	7/8/2002	
Copper	01043		6010 B	4000	ug/kg (dw)		2500	LA	7/8/2002	
Iron	01170		6010 B	8700000	ug/kg (dw)		10000	LA	7/8/2002	
Potassium	00938		6010 B	820000	ug/kg (dw)		500000	LA	7/8/2002	

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Magnesium	00924		6010 B	570000	ug/kg (dw)	500000	LA	7/8/2002	
Manganese	01053		6010 B	55000	ug/kg (dw)	1500	LA	7/8/2002	
Sodium	00934		6010 B	Not Detected	ug/kg (dw)	500000	LA	7/8/2002	
Nickel	01068		6010 B	Not Detected	ug/kg (dw)	4000	LA	7/8/2002	
Lead	01052		6010 B	22000	ug/kg (dw)	9000	LA	7/8/2002	
Antimony	01098		6010 B	Not Detected	ug/kg (dw)	12000	LA	7/8/2002	
Selenium	01148		6010 B	Not Detected	ug/kg (dw)	19000	LA	7/8/2002	
Thallium	34480		6010 B	Not Detected	ug/kg (dw)	20000	LA	7/8/2002	
Vanadium	01088		6010 B	14000	ug/kg (dw)	5000	LA	7/8/2002	
Zinc	01093		6010 B	20000	ug/kg (dw)	2000	LA	7/8/2002	
QC Batch 49961									
Mercury			EPA 7471A	Not Detected	ug/kg (dw)	100	PB	6/27/2002	
Pesticides in Sediment/Soil QC Batch 50017									
TCMX surr std			EPA 8081A	18.3	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCB surr std			EPA 8081A	37.0	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
ALDRIN			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
a-BHC			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
b-BHC			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
d-BHC			EPA 8081A	Not Detected	ug/kg (dw)	4.5	JSM	7/16/2002	
LINDANE (g-BHC)			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	50	JSM	7/16/2002	
4,4-DDE			EPA 8081A	Not Detected	ug/kg (dw)	3.0	JSM	7/16/2002	
4,4-DDD			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
4,4-DDT			EPA 8081A	Not Detected	ug/kg (dw)	6.5	JSM	7/16/2002	
DIELDRIN			EPA 8081A	Not Detected	ug/kg (dw)	2.0	JSM	7/16/2002	
ENDOSULFAN I			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
ENDOSULFAN II			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDOSULFAN SULFATE			EPA 8081A	Not Detected	ug/kg (dw)	8.0	JSM	7/16/2002	
ENDRIN			EPA 8081A	Not Detected	ug/kg (dw)	7.5	JSM	7/16/2002	
ENDRIN ALDEHYDE			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
HEPTACHLOR			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEPTACHLOR EPOXIDE			EPA 8081A	Not Detected	ug/kg (dw)	4.0	JSM	7/16/2002	
TOXAPHENE			EPA 8081A	Not Detected	ug/kg (dw)	130	JSM	7/16/2002	
CHLORPYRIFOS (DURSBAN)			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
HEXACHLOROBENZENE			EPA 8081A	Not Detected	ug/kg (dw)	1.0	JSM	7/16/2002	
METHOXYCHLOR			EPA 8081A	Not Detected	ug/kg (dw)	20	JSM	7/16/2002	
MIREX			EPA 8081A	Not Detected	ug/kg (dw)	3.5	JSM	7/16/2002	
gamma-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
alpha-CHLORDANE			EPA 8081A	Not Detected	ug/kg (dw)	5.0	JSM	7/16/2002	
PCBs in Sediments or Soils QC Batch 50018									
TCMX surr std			EPA 8082	18.3	ug/kg (dw)		JSM	7/16/2002	*10.0 to 30.0*
DCBP surr std			EPA 8082	37.0	ug/kg (dw)		JSM	7/16/2002	*20.0 to 60.0*
PCB-1016			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1221			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1232			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1242			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	

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PCB-1248			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1254			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1260			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	
PCB-1262			EPA 8082	Not Detected	ug/kg (dw)	33	JSM	7/16/2002	

COMMENTS: $8270S - Sample had one surrogate compound, Terphenyl-d14 (88% recovery, limits 30.1%- 86.7%) with a recovery outside acceptable control limits due to matrix interferences. LCS results were within acceptable control limits. 7-071502-296

COMMENTS: $TAL_S: ICP Metals - Reporting limits raised due to elevated levels of target analytes in sample. 'D'- sample required dilution for this analyte. Analyzed on 07/09/02 with all QC in compliance.

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QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69412
Location Code: HWMB
Date Collected: 6/25/2002 11:20:00 AM
Date Received: 6/26/2002 11:28:00 AM

QA/QC Batch Name: $TAL_S-50053
Project: HW
Sample Description: OAKWOOD MHP / HW9049

Samples in Batch #: 50053

AD69412	AD69414	AD69415	AD69416
AD69418	AD69419	AD69421	AD69422
AD69424			

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg (dw)	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision RPD	MS Recovery %	LCS Result ug/kg (dw)	LCS Dup Result ug/kg (dw)	LCS Dup Precision RPD	LCS Recovery %
$TAL_S Aluminum	12000000	<20000	500000	32000000	32000000	0.00	**U*4000**	523000	525000	0.382	105
$TAL_S Antimony	ND	<6000	500000	204000	204000	0.00	**L*40.8**	520000	514000	1.16	104
$TAL_S Arsenic	ND	<8000	500000	521000	524000	0.574	104	532000	529000	0.566	106
$TAL_S Barium	ND	<20000	500000	541000	548000	1.29	108	518000	520000	0.385	104
$TAL_S Beryllium	ND	<500	500000	528000	535000	1.32	106	529000	527000	0.379	106
$TAL_S Cadmium	ND	<500	500000	517000	523000	1.15	103	529000	527000	0.379	106
$TAL_S Calcium	ND	<500000	500000	553000	557000	0.721	111	533000	531000	0.376	107
$TAL_S Chromium	6000	<1000	500000	540000	546000	1.10	107	537000	535000	0.373	107
$TAL_S Cobalt	ND	<5000	500000	522000	528000	1.14	104	533000	532000	0.188	107
$TAL_S Copper	ND	<2500	500000	528000	535000	1.32	106	527000	531000	0.756	105
$TAL_S Iron	5700000	<10000	500000	5930000	5990000	1.01	**L*46.0**	526000	526000	0.00	105
$TAL_S Lead	14000	<9000	500000	530000	536000	1.13	103	528000	525000	0.570	106
$TAL_S Magnesium	ND	<500000	500000	785000	794000	1.14	**U*157**	520000	520000	0.00	104
$TAL_S Manganese	28000	<1500	500000	542000	548000	1.10	103	528000	527000	0.190	106
$TAL_S Nickel	ND	<4000	500000	523000	528000	0.951	105	529000	524000	0.950	106
$TAL_S Potassium	ND	<500000	500000	1060000	1080000	1.87	**U*212**	528000	519000	1.72	106
$TAL_S Selenium	ND	<19000	2500000	2620000	2640000	0.760	105	2620000	2620000	0.00	105
$TAL_S Silver	ND	<1000	100000	98800	100000	1.21	98.8	105000	105000	0.00	105
$TAL_S Sodium	ND	<500000	500000	583000	590000	1.19	117	532000	536000	0.749	106
$TAL_S Thallium	ND	<20000	500000	549000	567000	3.23	110	544000	558000	2.54	109
$TAL_S Vanadium	11000	<5000	500000	537000	545000	1.48	105	530000	532000	0.377	106
$TAL_S Zinc	9800	<2000	500000	542000	545000	0.552	106	535000	535000	0.00	107

Comments: $R_TAL_S: ICP Metals - Matrix Spike had two analytes, Aluminum (4000% recovery, limits 70-130%),and Iron (46% recovery, limits 70-130%),with a percent recovery outside acceptable control limits due to high concentration of target analytes in sample. Matrix spike had three analytes, Potassium (212% recovery, limits 70-130%),Magnesium(157% recovery, limits 70-130%), and Antimony (40.8% recovery, limits 70-130%), with a percent recovery outside acceptable control limits due to matrix interference. 2-070802-185

Comments: $TAL_S: ICP Metals - Reporting limits raised due to elevated levels of target analytes in sample. 'D'- sample required dilution for this analyte. Analyzed on 07/09/02 with all QC in compliance.

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69424
Location Code: HWMB
Date Collected: 6/25/2002 12:30:00 PM
Date Received: 6/26/2002 11:28:00 AM

QA/QC Batch Name: $8260S-50118
Project: HW
Sample Description: OAKWOOD MHP / HW9057

Samples in Batch #: 50118

AD69412	AD69414	AD69415	AD69416
AD69418	AD69419	AD69421	AD69422
AD69424			

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg (dw)	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision RPD	MS Recovery %	LCS Result ug/kg (dw)	LCS Dup Result ug/kg (dw)	LCS Dup Precision RPD	LCS Recovery %
$8260S 1,1,1,2-Tetrachloroethane	ND	<5						48			
$8260S 1,1,1-Trichloroethane	ND	<5						48			
$8260S 1,1,2,2-Tetrachloroethane	ND	<5						47			
$8260S 1,1,2-Trichloroethane	ND	<5						48			
$8260S 1,1,2-Trichlorotrifluoroethane	ND										
$8260S 1,1-Dichloroethane	ND	<5						47			
$8260S 1,1-Dichloroethene	ND	<5	50	73	73		150	49	60	20.2	98
$8260S 1,1-Dichloropropene	ND	<5						49			
$8260S 1,2,3-Trichlorobenzene	ND	<5						50			
$8260S 1,2,3-Trichloropropane	ND	<5						47			
$8260S 1,2,4-Trichlorobenzene	ND	<5						50			
$8260S 1,2,4-Trimethylbenzene	ND	<5						50			
$8260S 1,2-Dibromo-3-chloropropane	ND	<5						47			
$8260S 1,2-Dibromoethane	ND	<5						47			
$8260S 1,2-Dichlorobenzene	ND	<5						48			
$8260S 1,2-Dichloroethane	ND	<5						48			
$8260S 1,2-Dichloroethane-d4(Surrogate QC Std.)	51	52	50	53	53			50	51		
$8260S 1,2-Dichloropropane	ND	<5						47			
$8260S 1,3,5-Trimethylbenzene	ND	<5						51			
$8260S 1,3-Dichlorobenzene	ND	<5						50			
$8260S 1,3-Dichloropropane	ND	<5						48			
$8260S 1,4-Dichlorobenzene	ND	<5						48			
$8260S 2,2-Dichloropropane	ND	<5						48			
$8260S 2-Butanone	ND	<100						49			
$8260S 2-Chlorotoluene	ND	<5						49			
$8260S 2-Hexanone	ND	<50						45			
$8260S 4-Chlorotoluene	ND	<5						51			
$8260S 4-Methyl-2-Pentanone	ND	<50						45			
$8260S Acetone	ND	<100						53			
$8260S Benzene	ND	<5	50	60	60		120	47	56	17.5	94
$8260S Bromobenzene	ND	<5						48			
$8260S Bromochloromethane	ND	<5						48			
$8260S Bromodichloromethane	ND	<5						48			
$8260S Bromofluorobenzene(Surrogate QC Std.)	49	49	50	49	49			50	49		
$8260S Bromoform	ND	<5						48			

QA/QC BATCH REPORT

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg (dw)	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision RPD	MS Recovery %	LCS Result ug/kg (dw)	LCS Dup Result ug/kg (dw)	LCS Dup Precision RPD	LCS Recovery %
$8260S Bromomethane	ND	<10						42			
$8260S Carbon Disulfide	ND	<5						50			
$8260S Carbon Tetrachloride	ND	<5						48			
$8260S Chlorobenzene	ND	<5	50	50	50		100	47	59	22.6	94
$8260S Chloroethane	ND	<10						46			
$8260S Chloroform	ND	<5						47			
$8260S Chloromethane	ND	<10						45			
$8260S cis-1,2-Dichloroethene	ND	<5						47			
$8260S cis-1,3-Dichloropropene	ND	<5						48			
$8260S Cyclohexane	ND										
$8260S Dibromochloromethane	ND	<5						48			
$8260S Dibromofluoromethane(Surrogate QC Std.)	54	53	50	55	55			50	51		
$8260S Dibromomethane	ND	<5						48			
$8260S Dichlorodifluoromethane	ND	<5						50			
$8260S Ethylbenzene	ND	<5						49			
$8260S Hexachlorobutadiene	ND	<5						50			
$8260S Iodomethane	ND	<5						50			
$8260S Isopropylbenzene	ND	<5						50			
$8260S Methyl acetate	ND										
$8260S Methyl tert-butyl ether	ND										
$8260S Methylcyclohexane	ND										
$8260S Methylene Chloride	ND	<5						47			
$8260S Naphthalene	ND	<5						48			
$8260S n-Butylbenzene	ND	<5						51			
$8260S n-Propylbenzene	ND	<5						50			
$8260S o-Xylene	ND	<5						49			
$8260S p,m-Xylene	ND	<10						99			
$8260S p-Isopropyltoluene	ND	<5						50			
$8260S sec-Butylbenzene	ND	<5						50			
$8260S Styrene	ND	<5						49			
$8260S tert-Butylbenzene	ND	<5						51			
$8260S Tetrachloroethene	ND	<5						49			
$8260S Toluene	ND	<5	50	52	50	3.92	100	46	57	21.4	92
$8260S Toluene-d8(Surrogate QC Std.)	49	51	50	50	50			50	50		
$8260S trans-1,2-Dichloroethene	ND	<5						48			
$8260S trans-1,3-Dichloropropene	ND	<5						48			
$8260S Trichloroethene	ND	<5	50	53	51	3.85	110	46	58	23.1	92
$8260S Trichlorofluoromethane	ND	<5						46			
$8260S Vinyl Acetate	ND	<50						54			
$8260S Vinyl Chloride	ND	<2						47			

QA/QC BATCH REPORT

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg (dw)	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision RPD	MS Recovery %	LCS Result ug/kg (dw)	LCS Dup Result ug/kg (dw)	LCS Dup Precision RPD	LCS Recovery %

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69412
Location Code: HWMB
Date Collected: 6/25/2002 11:20:00 AM
Date Received: 6/26/2002 11:28:00 AM

QA/QC Batch Name: $8270S-50455
Project: HW
Sample Description: OAKWOOD MHP / HW9049

Samples in Batch #: 50455

AD69412	AD69414	AD69415	AD69416
AD69418	AD69419	AD69421	AD69422
AD69424			

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg (dw)	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision RPD	MS Recovery %	LCS Result ug/kg	LCS Dup Result ug/kg	LCS Dup Precision RPD	LCS Recovery %
$8270S 1,1'-Biphenyl	ND										
$8270S 1,2,4,5-Tetrachlorobenzene	ND	<660		ND							
$8270S 1,2,4-Trichlorobenzene	ND	<660	100	81.4	85.0	4.33	81.4	79	73	7.89	79.0
$8270S 1,2-Dichlorobenzene	ND	<660		ND							
$8270S 1,2-Diphenylhydrazine	ND	<660		ND							
$8270S 1,3-Dichlorobenzene	ND	<660		ND							
$8270S 1,4-Dichlorobenzene	ND	<660	100	69.5	75.4	8.14	69.5	69	63	9.09	69.0
$8270S 1-Chloronaphthalene	ND	<660		ND							
$8270S 1-Naphthylamine	ND	<660		ND							
$8270S 2,3,4,6-Tetrachlorophenol	ND	<660		ND							
$8270S 2,4,5-Trichlorophenol	ND	<660		ND							
$8270S 2,4,6-Tribromophenol(Surrogate QC Std.)	73	40	100	76.5	85.1			77	74	3.97	77.0
$8270S 2,4,6-Trichlorophenol	ND	<660		ND							
$8270S 2,4-Dichlorophenol	ND	<660		ND							
$8270S 2,4-Dimethylphenol	ND	<660		ND							
$8270S 2,4-Dinitrophenol	ND	<3300		ND							
$8270S 2,4-Dinitrotoluene	ND	<660	100	91.2	99.8	9.01	91.2	84	81	3.64	84.0
$8270S 2,6-Dichlorophenol	ND	<660		ND							
$8270S 2,6-Dinitrotoluene	ND	<660		ND							
$8270S 2-Chloronaphthalene	ND	<660		ND							
$8270S 2-Chlorophenol	ND	<660	100	75.9	88.5	15.3	75.9	78	73	6.62	78.0
$8270S 2-Fluorobiphenyl(Surrogate QC Std.)	69	53	100	82.8	88.0			82	74	10.3	82.0
$8270S 2-Fluorophenol(Surrogate QC Std.)	66	53	100	69.6	83.3			76	50	41.3	76.0
$8270S 2-Methylnaphthalene	ND	<660		ND							
$8270S 2-Methylphenol	ND	<660		ND							
$8270S 2-Naphthylamine	ND	<660		ND							
$8270S 2-Nitroaniline	ND	<3300		ND							
$8270S 2-Nitrophenol	ND	<660		ND							
$8270S 2-Picoline	ND	<660		ND							
$8270S 3,3'-Dichlorobenzidine	ND	<1300		ND							
$8270S 3-Methylcholanthrene	ND	<660		ND							
$8270S 3-Nitroaniline	ND	<3300		ND							
$8270S 4,6-Dinitro-2-methylphenol	ND	<3300		ND							
$8270S 4-Aminobiphenyl	ND	<660		ND							
$8270S 4-Bromophenyl-phenylether	ND	<660		ND							

QA/QC BATCH REPORT

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg (dw)	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision RPD	MS Recovery %	LCS Result ug/kg	LCS Dup Result ug/kg	LCS Dup Precision RPD	LCS Recovery %
$8270S 4-Chloro-3-methylphenol	ND	<1300	100	82.7	99.1	18.0	82.7	83	77	7.50	83.0
$8270S 4-Chloroaniline	ND	<1300		ND							
$8270S 4-Chlorophenyl-phenylether	ND	<660		ND							
$8270S 4-Methylphenol	ND	<660		ND							
$8270S 4-Nitroaniline	ND	<660		ND							
$8270S 4-Nitrophenol	ND	<3300	100	80.4	98.5	20.2	80.4	73	71	2.78	73.0
$8270S 7,12-Dimethylbenz(a)anthracene	ND	<660		ND							
$8270S aa-dimethyl-Phenethylamine	ND	<660		ND							
$8270S Acenaphthene	ND	<660	100	89.1	96.5	7.97	89.1	84	79	6.13	84.0
$8270S Acenaphthylene	ND	<660		ND							
$8270S Acetophenone	ND	<660		ND							
$8270S Aldrin	ND	<660		ND							
$8270S Alpha-BHC	ND	<660		ND							
$8270S Aniline	ND	<660		ND							
$8270S Anthracene	ND	<660		ND							
$8270S Atrazine	ND										
$8270S Benzaldehyde	ND										
$8270S Benzidine	ND	<660		ND							
$8270S Benzo[a]anthracene	ND	<660		ND							
$8270S Benzo[a]pyrene	ND	<660		ND							
$8270S Benzo[b]fluoranthene	ND	<660		ND							
$8270S Benzo[g,h,i]perylene	ND	<660		ND							
$8270S Benzo[k]fluoranthene	ND	<660		ND							
$8270S Benzoic acid	ND	<3300		ND							
$8270S Benzyl alcohol	ND	<1300		ND							
$8270S Beta-BHC	ND	<660		ND							
$8270S bis(2-Chloroethoxy)methane	ND	<660		ND							
$8270S bis(2-Chloroethyl)ether	ND	<660		ND							
$8270S bis(2-Chloroisopropyl)ether	ND	<660		ND							
$8270S bis(2-Ethylhexyl)phthalate	ND	<660		ND							
$8270S Butylbenzylphthalate	ND	<660		ND							
$8270S Caprolactam	ND										
$8270S Carbazole	ND										
$8270S Chyrsene	ND	<660		ND							
$8270S Delta-BHC	ND	<660		ND							
$8270S Dibenz(a,j)acridine	ND	<660		ND							
$8270S Dibenz[a,h]anthracene	ND	<660		ND							
$8270S Dibenzofuran	ND	<660		ND							
$8270S Dieldrin	ND	<660		ND							
$8270S Diethylphthalate	ND	<660		ND							

QA/QC BATCH REPORT

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg (dw)	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision RPD	MS Recovery %	LCS Result ug/kg	LCS Dup Result ug/kg	LCS Dup Precision RPD	LCS Recovery %
$8270S Dimethylphthalate	ND	<660		ND							
$8270S Di-n-butylphthalate	ND	<660		ND							
$8270S Di-n-octylphthalate	ND	<660		ND							
$8270S Diphenylamine	ND	<660		ND							
$8270S Endosulfan 1	ND	<3300		ND							
$8270S Endosulfan 2	ND	<3300		ND							
$8270S Endosulfan Sulfate	ND	<1650		ND							
$8270S Endrin	ND	<1320		ND							
$8270S Endrin Aldehyde	ND	<660		ND							
$8270S Ethylmethanesulfonate	ND	<660		ND							
$8270S Fluoranthene	ND	<660		ND							
$8270S Fluorene	ND	<660		ND							
$8270S Gamma-BHC	ND	<660		ND							
$8270S Heptachlor	ND	<660		ND							
$8270S Heptachlor Epoxide	ND	<1650		ND							
$8270S Hexachlorobenzene	ND	<660		ND							
$8270S Hexachlorobutadiene	ND	<660		ND							
$8270S Hexachlorocyclopentadiene	ND	<660		ND							
$8270S Hexachloroethane	ND	<660		ND							
$8270S Indeno[1,2,3-cd]pyrene	ND	<660		ND							
$8270S Isophorone	ND	<660		ND							
$8270S Methylmethanesulfonate	ND	<660		ND							
$8270S Naphthalene	ND	<660		ND							
$8270S Nitrobenzene	ND	<660		ND							
$8270S Nitrobenzene-d5(Surrogate QC Std.)	69	56	100	72.5	85.8			74	66	11.4	74.0
$8270S n-Nitrosodimethylamine	ND	<660		ND							
$8270S n-Nitroso-di-n-butylamine	ND	<660		ND							
$8270S n-Nitroso-di-n-propylamine	ND	<660	100	80.8	98.4	19.6	80.8	86	75	13.7	86.0
$8270S n-Nitrosodiphenylamine	ND	<660		ND							
$8270S n-Nitrosopiperidine	ND	<660		ND							
$8270S p,p'-DDD	ND	<660		ND							
$8270S p,p'-DDE	ND	<660		ND							
$8270S p,p'-DDT	ND	<660		ND							
$8270S p-Dimethylaminoazobenzene	ND	<660		ND							
$8270S Pentachlorobenzene	ND	<660		ND							
$8270S Pentachloronitrobenzene	ND	<660		ND							
$8270S Pentachlorophenol	ND	<3300	100	88.9	107	18.5	88.9	72	77	6.71	72.0
$8270S Phenacetin	ND	<660		ND							
$8270S Phenanthrene	ND	<660		ND							
$8270S Phenol	ND	<660	100	75.1	91.5	19.7	75.1	78	71	9.40	78.0

QA/QC BATCH REPORT

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg (dw)	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision RPD	MS Recovery %	LCS Result ug/kg	LCS Dup Result ug/kg	LCS Dup Precision RPD	LCS Recovery %
$8270S Phenol-d5(Surrogate QC Std.)	72	53	100	74.3	90.9			81	73	10.4	81.0
$8270S Pronamide	ND	<660		ND							
$8270S Pyrene	ND	<660	100	107	113	5.45	107	100	99	1.00	100
$8270S Pyridine	ND	<660		ND							
$8270S Terphenyl-d14(Surrogate QC Std.)	**U*99**	84	100	105	112			110	99	10.5	110

Comments: $8270S - Sample had one surrogate compound, Terphenyl-d14 (99% recovery, limits 30.1%- 86.7%) with a recovery outside acceptable control limits due to matrix interferences. LCS results were within acceptable control limits. 7-071502-296

QA/QC BA' CH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69416
Location Code: HWMB
Date Collected: 6/25/2002 4:15:00 PM
Date Received: 6/26/2002 11:28:00 AM

QA/QC Batch Name: CNTALS-50041
Project: HW
Sample Description: OAKWOOD MHP / HW9050

Samples in Batch #: 50041

AD69412	AD69414	AD69415	AD69416
AD69418	AD69419	AD69421	AD69422
AD69424			

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg (dw)	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision RPD	MS Recovery %	LCS Result ug/kg (dw)	LCS Dup Result ug/kg (dw)	LCS Dup Precision RPD	LCS Recovery %
CNTALS	ND	<9000	20000	19400	19600	1.03	96.8	19800	20000	1.01	99.0

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69412
Location Code: HWMB
Date Collected: 6/25/2002 11:20:00 AM
Date Received: 6/26/2002 11:28:00 AM

QA/QC Batch Name: HGTALS-49961
Project: HW
Sample Description: OAKWOOD MHP / HW9049

Samples in Batch #: 49961

AD69412	AD69414	AD69415	AD69416
AD69418	AD69419	AD69421	AD69422
AD69424			

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg (dw)	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision ug/kg (dw)	MS Recovery %	LCS Result %	LCS Dup Result ug/kg (dw)	LCS Dup Precision ug/kg (dw)	LCS Recovery %
HGTALS	ND	<100	600	588	590	0.340	98.2	581	589	1.37	96.8

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69412
Location Code: HWMB
Date Collected: 6/25/2002 11:20:00 AM
Date Received: 6/26/2002 11:28:00 AM

QA/QC Batch Name: $8081S-50017
Project: HW
Sample Description: OAKWOOD MHP / HW9049

Samples in Batch #: 50017

AD69412	AD69414	AD69415	AD69416
AD69418	AD69419	AD69421	AD69422
AD69424			

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision RPD	MS Recovery %	LCS Result ug/kg (dw)	LCS Dup Result ug/kg (dw)	LCS Dup Precision RPD	LCS Recovery %
$8081S 4,4-DDD	ND	<7.5		ND	ND			ND	ND		
$8081S 4,4-DDE	ND	<3.0		ND	ND			ND	ND		
$8081S 4,4-DDT	ND	<6.5		ND	ND			ND	ND		
$8081S a-BHC	ND	<2.0		ND	ND			ND	ND		
$8081S ALDRIN	ND	<3.5		ND	ND			ND	ND		
$8081S alpha-CHLORDANE	ND	<5.0		ND	ND			ND	ND		
$8081S b-BHC	ND	<3.0		ND	ND			ND	ND		
$8081S CHLORDANE	ND	<50	500	440	415	5.85	88.0	433	505	15.4	86.6
$8081S CHLORPYRIFOS (DURSBAN)	ND	<5.0		ND	ND			ND	ND		
$8081S d-BHC	ND	<4.5		ND	ND			ND	ND		
$8081S DCB surr std	43.2	37.2	40.0	34.3	35.7			32.4	34.5	6.28	81.0
$8081S DIELDRIN	ND	<2.0		ND	ND			ND	ND		
$8081S ENDOSULFAN I	ND	<5.0		ND	ND			ND	ND		
$8081S ENDOSULFAN II	ND	<7.5		ND	ND			ND	ND		
$8081S ENDOSULFAN SULFATE	ND	<8.0		ND	ND			ND	ND		
$8081S ENDRIN	ND	<7.5		ND	ND			ND	ND		
$8081S ENDRIN ALDEHYDE	ND	<3.5		ND	ND			ND	ND		
$8081S gamma-CHLORDANE	ND	<5.0		ND	ND			ND	ND		
$8081S HEPTACHLOR	ND	<5.0		ND	ND			ND	ND		
$8081S HEPTACHLOR EPOXIDE	ND	<4.0		ND	ND			ND	ND		
$8081S HEXACHLOROBENZENE	ND	<1.0		ND	ND			ND	ND		
$8081S LINDANE (g-BHC)	ND	<1.0		ND	ND			ND	ND		
$8081S METHOXYCHLOR	ND	<20		ND	ND			ND	ND		
$8081S MIREX	ND	<3.5		ND	ND			ND	ND		
$8081S TCMX surr std	18.2	16.2	20.0	13.9	14.4			16.4	18.2	10.4	82.0
$8081S TOXAPHENE	ND	<130		ND	ND			ND	ND		

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69416
Location Code: HWMB
Date Collected: 6/25/2002 4:15:00 PM
Date Received: 6/26/2002 11:28:00 AM

QA/QC Batch Name: $8082S-50018
Project: HW
Sample Description: OAKWOOD MHP / HW9050

Samples in Batch #: 50018

AD69412	AD69414	AD69415	AD69416
AD69418	AD69419	AD69421	AD69422
AD69424			

Analysis/Analyte	Result ug/kg (dw)	Method Blank ug/kg (dw)	Amount Spiked ug/kg (dw)	MS Result ug/kg (dw)	MS Dup Result ug/kg (dw)	MS Dup Precision RPD	MS Recovery %	LCS Result ug/kg (dw)	LCS Dup Result ug/kg (dw)	LCS Dup Precision RPD	LCS Recovery %
$8082S DCBP surr std	38.2	37.2	40.0	31.4	29.7			32.7	36.7		81.8
$8082S PCB-1016	ND	<33	500	423	367	14.2	84.6	354	403	12.9	70.8
$8082S PCB-1221	ND	<33	ND	ND	ND	ND	ND	ND	ND	ND	ND
$8082S PCB-1232	ND	<33	ND	ND	ND	ND	ND	ND	ND	ND	ND
$8082S PCB-1242	ND	<33	ND	ND	ND	ND	ND	ND	ND	ND	ND
$8082S PCB-1248	ND	<33	ND	ND	ND	ND	ND	ND	ND	ND	ND
$8082S PCB-1254	ND	<33	ND	ND	ND	ND	ND	ND	ND	ND	ND
$8082S PCB-1260	ND	<33	500	406	383	5.83	81.2	403	443	9.46	80.6
$8082S PCB-1262	ND	<33	ND	ND	ND	ND	ND	ND	ND	ND	ND
$8082S TCMX surr std	18.4	16.2	20.0	14.5	12.6			12.5	13.7		62.5

HAZARDOUS WASTE MANAGEMENT BRANCH (HWMB)
REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Trip Blank

Sample Collected By/Phone: E.P.D. - Laboratory

Collection Date: 6/21/02 LAB No. _____

Date Submitted To Lab: _____

HWMB LOG NUMBER: _____

File a separate Request Sheet for each sample point

Trip Blank / (1) Oakwood (Soil)

Analysis Needed By: Routine _____ Other (specify) _____

Sample Description (check one)

Waste _____ Soil/Sediment _____
Ground Water _____ Surface Water _____

Sample ID AD69426
Location: HWMB
Description: OAKWOOD MHP / HW TRIP BLA
Collector: EPD LAB
Sample ID: AD69426

Concentration of Organics Requested (estimated): High ___ Low ___ Other

Describe Sample Including Source and Known Properties (e.g. pH, conc

Applicable Hazardous Waste Codes (If known) _____ _____ _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results)

1. TOTAL ORGANICS
   - Semi-Volatiles (Acid & Base/Neutral) _____
   - Volatiles ✓
   - Pesticides _____
   - Herbicides _____
   - Organophosphorous Pesticides _____
   - PCB _____
   - BETX _____
   - Total Petroleum Hydrocarbon _____
   - Organics Special Requests: _____

2. TOTAL METALS
   - Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____
   - Mercury _____
   - Metals Special Requests: _____

HALF GALLONS/CYANIDE
NUTRIENTS/SOLIDS
FOOL BOTTLES
METAL BOTTLES
AMBER BOTTLES
1 VOC VIALS B/K
SULFIDES/PHENOLS
OIL AND GREASE

3. TCLP ORGANICS
   - Volatiles _____
   - Semi-Volatiles (Acid & Base/Neutral) _____
   - Pesticides _____
   - Herbicides _____
   - Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS
   - TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se) _____
   - Mercury _____
   - Additional Metals for TCLP: _____

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): _____

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

TNE

TAL

RECPT TEMP 0.0 °

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

LABORATORY REPORT

TO: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Date Collected:	6/21/2002
Time Collected:	0:00
Sample Collector:	EPD LAB
Chlorination:	
Sample Type:	
Received By:	TNB
Date Received:	6/26/2002
Time Received:	11:28 AM
Project:	HW
Reporting Date:	7/26/2002
Received Temperature:	0.0 °C

Sample ID:	AD69426
Facility Name:	Oakwood Mhp / Hw Trip Blank
Site ID:	HWMB
Location ID:	
Location Descr:	HW TRIP BLANK

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
8260 in Water QC Batch 50020										
Dibromofluoromethane(Surrogate QC Std.)			EPA 8260	50	ug/L			LCS	6/27/2002	*43 to 60*
Toluene-d8(Surrogate QC Std.)			EPA 8260	50	ug/L			LCS	6/27/2002	*40 to 60*
Bromofluorobenzene(Surrogate QC Std.)			EPA 8260	48	ug/L			LCS	6/27/2002	*40 to 54*
chloroethane-d4(Surrogate QC Std.)			EPA 8260	49	ug/L			LCS	6/27/2002	*35 to 65*
Dichlorodifluoromethane	34668		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Chloromethane	34418		EPA 8260	Not Detected	ug/L		10	LCS	6/27/2002	
Bromomethane	34413		EPA 8260	Not Detected	ug/L		10	LCS	6/27/2002	
Vinyl Chloride	39175		EPA 8260	Not Detected	ug/L		2	LCS	6/27/2002	
Chloroethane	34311		EPA 8260	Not Detected	ug/L		10	LCS	6/27/2002	
Methylene Chloride	34423		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Trichlorofluoromethane	34488		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Acetone	81552		EPA 8260	Not Detected	ug/L		100	LCS	6/27/2002	
Dibromomethane	77596		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
trans-1,2-Dichloroethene	34546		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Iodomethane	77424		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Carbon Disulfide	77041		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
1,1-Dichloroethene	34501		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
1,1-Dichloroethane	34496		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
cis-1,2-Dichloroethene	77093		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
2,2-Dichloropropane	77170		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Bromochloromethane	77297		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Chloroform	32106		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
1,1-Dichloropropene	77168		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
1,2-Dichloroethane	32103		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
g/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Inorganics:	Pat Sammons	404-206-5239
Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
2-Pentanone	81595		EPA 8260	Not Detected	ug/L	100	LCS	6/27/2002	
Trichloroethane	34506		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Carbon Tetrachloride	32102		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Vinyl Acetate	77057		EPA 8260	Not Detected	ug/L	50	LCS	6/27/2002	
Bromodichloromethane	32101		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2-Dichloropropane	34541		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Trichloroethene	39180		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Benzene	34030		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
2-Chloroethyl vinyl ether	34576		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
cis-1,3-Dichloropropene	34704		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
trans-1,3-Dichloropropene	34699		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Dibromochloromethane	32105		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,1,2-Trichloroethane	34511		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Bromoform	32104		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2,3-Trichloropropane	77443		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
4-Methyl-2-Pentanone	81596		EPA 8260	Not Detected	ug/L	50	LCS	6/27/2002	
2-Hexanone	77103		EPA 8260	Not Detected	ug/L	50	LCS	6/27/2002	
Tetrachloroethene	34475		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,3-Dichloropropane	77173		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,1,2,2-Tetrachloroethane	34516		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Toluene	34010		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2-Dibromoethane	77651		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Chlorobenzene	34301		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Ethylbenzene	34371		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,1,1,2-Tetrachloroethane	77562		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Styrene	77128		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
m-Xylene	77135		EPA 8260	Not Detected	ug/L	10	LCS	6/27/2002	
o-Xylene	77135		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Isopropylbenzene	77223		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Bromobenzene	81555		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
n-Propylbenzene	77224		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
2-Chlorotoluene	77275		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,3,5-Trimethylbenzene	77226		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
4-Chlorotoluene	77277		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
tert-Butylbenzene	77353		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2,4-Trimethylbenzene	77222		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
sec-Butylbenzene	77350		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,3-Dichlorobenzene	34566		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
p-Isopropyltoluene	77356		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,4-Dichlorobenzene	34571		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
n-Butylbenzene	77342		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2-Dichlorobenzene	34536		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2-Dibromo-3-chloropropane			EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2,4-Trichlorobenzene	34551		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Hexachlorobutadiene	38702		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Naphthalene	34696		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2,3-Trichlorobenzene	77613		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
org/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Inorganics:	Pat Sammons	404-206-5239
Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
Cyclohexane			EPA 8260	Not Detected	ug/L	10	LCS	6/27/2002	
ylcyclohexane			EPA 8260	Not Detected	ug/L	10	LCS	6/27/2002	
1,1,2-Trichlorotrifluoroethane			EPA 8260	Not Detected	ug/L	10	LCS	6/27/2002	
Methyl acetate			EPA 8260	Not Detected	ug/L	10	LCS	6/27/2002	
Methyl tert-butyl ether			EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
g/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Inorganics:	Pat Sammons	404-206-5239
Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

REQUEST FOR LABORATORY ANALYSIS

Facility Name/Location: Oakwood Mobile Home Park

Sample Collected By/Phone: Brooke Davis

Collection Date: 06/25/02 LAB No. _____

Date Submitted To Lab: 06/26/0

HWMB LOG NUMBER: _____

File a separate Request Sheet for each sample point

Sample ID AD69427
Location: HWMB
Description: OAKWOOD MHP FIELD BLK HW
Collector: B DAVIS
Sample ID: AD69427

Analysis Needed By: Routine _____

Sample Description (check one)

Waste _____ Soil/Sediment _____ Sludge _____
Ground Water _____ Surface Water _____ "Drinking Water Well" _____

Concentration of Organics Requested (estimated): High __ Low __ Other (e.g., rinse blank - specify) _____

Describe Sample Including Source and Known Properties (e.g. pH, concentration):

1 HALF GALLONS/CYANIDE
~~NUTRIENTS/SULFATES~~
ECOL BOTTLES
1 METAL BOTTLES
6 AMBER BOTTLES
3 VOC VIALS
SULFIDES/PHENOLS
OIL AND GREASE

Applicable Hazardous Waste Codes (If known) _____

Special Precautions:

ANALYSIS REQUIRED

(Note: Totals will always be run first. A TCLP will subsequently be run only if the total value indicates a positive TCLP could results).

1. TOTAL ORGANICS

Semi-Volatiles (Acid & Base/Neutral)	✓
Volatiles	✓
Pesticides	✓
Herbicides	
Organophosphorous Pesticides	
PCB	
BETX	
Total Petroleum Hydrocarbon	

Organics Special Requests: Cyanide

2. TOTAL METALS

ICP Metals Scan (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)	✓
Mercury	✓
Metals Special Requests:	

3. TCLP ORGANICS

Volatiles		Pesticides	
Semi-Volatiles (Acid & Base/Neutral)		Herbicides	

Additional Specific Organics for TCLP: _____

4. TCLP METALS ANALYSIS

TCLP Metals (Ag,As,Ba,Cd,Cr,Ni,Pb,Se)		Additional Metals for TCLP:	
Mercury			

5. ADDITIONAL ANALYSIS REQUESTED (see list on back): _____

Reviewed By: (HWMB): _____ Date: _____ Reviewed By (EPD Lab): _____
Approved By:(HWMB): _____ Date: _____ Date (EPD Lab): _____

RECPT TEMP 3.6 °

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

455 14th Street NW, Atlanta, GA 30318-7900
(404) 206-5269

LABORATORY REPORT

TO: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Date Collected:	6/25/2002
Time Collected:	0:00
Sample Collector:	B DAVIS
Chlorination:	
Sample Type:	
Received By:	TNB
Date Received:	6/26/2002
Time Received:	12:56 PM
Project:	HW
Reporting Date:	7/26/2002
Received Temperature:	3.6 ° C

Sample ID:	AD69427
Facility Name:	Oakwood Mhp Field Blk Hw
Site ID:	HWMB
Location ID:	
Location Descr:	HW

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYST	ANALYSIS DATE	MCL or QC Range
8260 in Water QC Batch 50020										
Dibromofluoromethane(Surrogate QC Std.)			EPA 8260	49	ug/L			LCS	6/27/2002	*43 to 60*
Toluene-d8(Surrogate QC Std.)			EPA 8260	50	ug/L			LCS	6/27/2002	*40 to 60*
Bromofluorobenzene(Surrogate QC Std.)			EPA 8260	49	ug/L			LCS	6/27/2002	*40 to 54*
ichloroethane-d4(Surrogate QC Std.)			EPA 8260	47	ug/L			LCS	6/27/2002	*35 to 65*
Dichlorodifluoromethane	34668		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Chloromethane	34418		EPA 8260	Not Detected	ug/L		10	LCS	6/27/2002	
Bromomethane	34413		EPA 8260	Not Detected	ug/L		10	LCS	6/27/2002	
Vinyl Chloride	39175		EPA 8260	Not Detected	ug/L		2	LCS	6/27/2002	
Chloroethane	34311		EPA 8260	Not Detected	ug/L		10	LCS	6/27/2002	
Methylene Chloride	34423		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Trichlorofluoromethane	34488		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Acetone	81552		EPA 8260	Not Detected	ug/L		100	LCS	6/27/2002	
Dibromomethane	77596		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
trans-1,2-Dichloroethene	34546		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Iodomethane	77424		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Carbon Disulfide	77041		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
1,1-Dichloroethene	34501		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
1,1-Dichloroethane	34496		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
cis-1,2-Dichloroethene	77093		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
2,2-Dichloropropane	77170		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Bromochloromethane	77297		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
Chloroform	32106		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
1,1-Dichloropropene	77168		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	
1,2-Dichloroethane	32103		EPA 8260	Not Detected	ug/L		5	LCS	6/27/2002	

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ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
2-Butanone	81595		EPA 8260	Not Detected	ug/L	100	LCS	6/27/2002	
Trichloroethane	34506		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Carbon Tetrachloride	32102		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Vinyl Acetate	77057		EPA 8260	Not Detected	ug/L	50	LCS	6/27/2002	
Bromodichloromethane	32101		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2-Dichloropropane	34541		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Trichloroethene	39180		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Benzene	34030		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
2-Chloroethyl vinyl ether	34576		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
cis-1,3-Dichloropropene	34704		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
trans-1,3-Dichloropropene	34699		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Dibromochloromethane	32105		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,1,2-Trichloroethane	34511		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Bromoform	32104		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2,3-Trichloropropane	77443		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
4-Methyl-2-Pentanone	81596		EPA 8260	Not Detected	ug/L	50	LCS	6/27/2002	
2-Hexanone	77103		EPA 8260	Not Detected	ug/L	50	LCS	6/27/2002	
Tetrachloroethene	34475		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,3-Dichloropropane	77173		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,1,2,2-Tetrachloroethane	34516		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Toluene	34010		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2-Dibromoethane	77651		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Chlorobenzene	34301		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Ethylbenzene	34371		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,1,1,2-Tetrachloroethane	77562		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Styrene	77128		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
[illegible]ylene	77135		EPA 8260	Not Detected	ug/L	10	LCS	6/27/2002	
[illegible]ene	77135		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Isopropylbenzene	77223		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Bromobenzene	81555		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
n-Propylbenzene	77224		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
2-Chlorotoluene	77275		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,3,5-Trimethylbenzene	77226		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
4-Chlorotoluene	77277		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
tert-Butylbenzene	77353		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2,4-Trimethylbenzene	77222		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
sec-Butylbenzene	77350		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,3-Dichlorobenzene	34566		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
p-Isopropyltoluene	77356		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,4-Dichlorobenzene	34571		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
n-Butylbenzene	77342		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2-Dichlorobenzene	34536		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2-Dibromo-3-chloropropane			EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2,4-Trichlorobenzene	34551		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Hexachlorobutadiene	38702		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
Naphthalene	34696		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
1,2,3-Trichlorobenzene	77613		EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	

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Cyclohexane			EPA 8260	Not Detected	ug/L	10	LCS	6/27/2002	
I lcyclohexane			EPA 8260	Not Detected	ug/L	10	LCS	6/27/2002	
1,1,2-Trichlorotrifluoroethane			EPA 8260	Not Detected	ug/L	10	LCS	6/27/2002	
Methyl acetate			EPA 8260	Not Detected	ug/L	10	LCS	6/27/2002	
Methyl tert-butyl ether			EPA 8260	Not Detected	ug/L	5	LCS	6/27/2002	
8270 Semi-Vol in Water QC Batch 50178									
2-Fluorophenol(Surrogate QC Std.)			EPA 8270C	33	ug/L		GG	7/5/2002	*10.0 to 76.2*
Phenol-d5(Surrogate QC Std.)			EPA 8270C	20	ug/L		GG	7/5/2002	*11.0 to 49.6*
Nitrobenzene-d5(Surrogate QC Std.)			EPA 8270C	66	ug/L		GG	7/5/2002	*44.4 to 125*
2-Fluorobiphenyl(Surrogate QC Std.)			EPA 8270C	81	ug/L		GG	7/5/2002	*43.2 to 115*
2,4,6-Tribromophenol(Surrogate QC Std.)			EPA 8270C	81	ug/L		GG	7/5/2002	*25.7 to 126*
Terphenyl-d14(Surrogate QC Std.)			EPA 8270C	110	ug/L		GG	7/5/2002	*10.0 to 131*
n-Nitrosodimethylamine	34438		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2-Picoline	77088		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Methylmethanesulfonate	73595		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Ethylmethanesulfonate	73571		EPA 8270C	Not Detected	ug/L	20	GG	7/5/2002	
Aniline	77089		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Phenol	34694		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
bis(2-Chloroethyl)ether	34273		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2-Chlorophenol	34586		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
1,3-Dichlorobenzene	34566		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
1,4-Dichlorobenzene	34571		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Benzyl alcohol	77147		EPA 8270C	Not Detected	ug/L	20	GG	7/5/2002	
1,2-Dichlorobenzene	34536		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2-Methylphenol			EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
bis(2-Chloroisopropyl)ether	34283		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
/ phenone	81553		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
4 thylphenol			EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
n-Nitroso-di-n-propylamine	34428		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Hexachloroethane	34396		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Nitrobenzene	34447		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
n-Nitrosopiperidine	73619		EPA 8270C	Not Detected	ug/L	20	GG	7/5/2002	
Isophorone	34408		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2-Nitrophenol	34591		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2,4-Dimethylphenol	34606		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
bis(2-Chloroethoxy)methane	34278		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Benzoic acid	77247		EPA 8270C	Not Detected	ug/L	50	GG	7/5/2002	
2,4-Dichlorophenol	34601		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
1,2,4-Trichlorobenzene	34551		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
aa-dimethyl-Phenethylamine	73564		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Naphthalene	34696		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
4-Chloroaniline	73529		EPA 8270C	Not Detected	ug/L	20	GG	7/5/2002	
2,6-Dichlorophenol	77541		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Hexachlorobutadiene	38702		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
n-Nitroso-di-n-butylamine	73609		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
4-Chloro-3-methylphenol	34452		EPA 8270C	Not Detected	ug/L	20	GG	7/5/2002	
2-Methylnaphthalene	77416		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	

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1 ^ 4,5-Tetrachlorobenzene	77734		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
ı :hlorocyclopentadiene	34386		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2,4,6-Trichlorophenol	34621		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2,4,5-Trichlorophenol	77687		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2-Chloronaphthalene	34581		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
1-Chloronaphthalene			EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2-Nitroaniline	78142		EPA 8270C	Not Detected	ug/L	50	GG	7/5/2002	
Dimethylphthalate	34341		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Acenaphthylene	34200		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2,6-Dinitrotoluene	34626		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
3-Nitroaniline	78300		EPA 8270C	Not Detected	ug/L	50	GG	7/5/2002	
Acenaphthene	34205		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2,4-Dinitrophenol	34616		EPA 8270C	Not Detected	ug/L	50	GG	7/5/2002	
4-Nitrophenol	34646		EPA 8270C	Not Detected	ug/L	50	GG	7/5/2002	
Dibenzofuran	81302		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Pentachlorobenzene	77793		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2,4-Dinitrotoluene	34611		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
1-Naphthylamine	73600		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2-Naphthylamine	73601		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
2,3,4,6-Tetrachlorophenol			EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Diethylphthalate	34336		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Fluorene	34381		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
4-Chlorophenyl-phenylether	34641		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
4-Nitroaniline	30342		EPA 8270C	Not Detected	ug/L	20	GG	7/5/2002	
Diphenylamine			EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
4,6-Dinitro-2-methylphenol	34657		EPA 8270C	Not Detected	ug/L	50	GG	7/5/2002	
r ›sodiphenylamine	34433		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
1,- ›iphenylhydrazine	34346		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
4-Bromophenyl-phenylether	34636		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Phenacetin			EPA 8270C	Not Detected	ug/L	20	GG	7/5/2002	
Hexachlorobenzene	39700		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
4-Aminobiphenyl	77581		EPA 8270C	Not Detected	ug/L	20	GG	7/5/2002	
Pentachlorophenol	39032		EPA 8270C	Not Detected	ug/L	50	GG	7/5/2002	
Pronamide	39080		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Pentachloronitrobenzene	81316		EPA 8270C	Not Detected	ug/L	20	GG	7/5/2002	
Phenanthrene	34461		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Anthracene	34220		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Di-n-butylphthalate	39110		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Fluoranthene	34376		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Benzidine	39120		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Pyrene	34469		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
p-Dimethylaminoazobenzene	73558		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Butylbenzylphthalate	34292		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
Benzo[a]anthracene	34526		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
3,3'-Dichlorobenzidine	34631		EPA 8270C	Not Detected	ug/L	20	GG	7/5/2002	
Chyrsene	34320		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	
bis(2-Ethylhexyl)phthalate	39100		EPA 8270C	Not Detected	ug/L	10	GG	7/5/2002	

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D[illegible]-octylphthalate	34596		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
[illegible]b[b]fluoranthene	34230		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Benzo[k]fluoranthene	34242		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
7,12-Dimethylbenz(a)anthracene	73559		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Benzo[a]pyrene	34247		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
3-Methylcholanthrene	73591		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Dibenz(a,j)acridine			EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Indeno[1,2,3-cd]pyrene	34403		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Dibenz[a,h]anthracene	34556		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Benzo[g,h,i]perylene	34521		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Pyridine	77045		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Alpha-BHC	39337		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Gamma-BHC	39340		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Beta-BHC	39338		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Delta-BHC	34259		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Heptachlor	39410		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Aldrin	39330		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Heptachlor Epoxide	39420		EPA 8270C	Not Detected	ug/L		25	GG	7/5/2002	
Endosulfan 1	34361		EPA 8270C	Not Detected	ug/L		50	GG	7/5/2002	
Dieldrin	39380		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
p,p'-DDE	39320		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Endrin	39390		EPA 8270C	Not Detected	ug/L		20	GG	7/5/2002	
Endosulfan 2	34356		EPA 8270C	Not Detected	ug/L		50	GG	7/5/2002	
p,p'-DDD	39310		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Endrin Aldehyde	34366		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Endosulfan Sulfate	34351		EPA 8270C	Not Detected	ug/L		25	GG	7/5/2002	
[illegible]DT	39300		EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
[illegible]aldehyde			EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Caprolactam			EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
1,1'-Biphenyl			EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Atrazine			EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
Carbazole			EPA 8270C	Not Detected	ug/L		10	GG	7/5/2002	
QC Batch 50040										
Total Cyanide	00720		EPA 335.4	Not Detected	ug/L		25	BS	7/2/2002	
Target analyte list Metals\ICPMS QC Batch 49945										
Beryllium 9	01012		6020	Not Detected	ug/L		5	VK	6/27/2002	
Vanadium 51	01087		6020	Not Detected	ug/L		50	VK	6/27/2002	
Chromium 52	01034		6020	Not Detected	ug/L		10	VK	6/27/2002	
Cobalt 59	01037		6020	Not Detected	ug/L		50	VK	6/27/2002	
Nickel 60	01067		6020	Not Detected	ug/L		40	VK	6/27/2002	
Copper 65	01042		6020	Not Detected	ug/L		25	VK	6/27/2002	
Zinc 68	01092		6020	Not Detected	ug/L		20	VK	6/27/2002	
Arsenic 75	01002		6020	Not Detected	ug/L		10	VK	6/27/2002	
Selenium 82	01147		6020	Not Detected	ug/L		5	VK	6/27/2002	
Silver 107	01077		6020	Not Detected	ug/L		10	VK	6/27/2002	
Cadmium 111	01027		6020	Not Detected	ug/L		5	VK	6/27/2002	

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
[illegible]pm: parts per million
[illegible]b: parts per billion
[illegible]g/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Inorganics:	Pat Sammons	404-206-5239
Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYST	ANALYSIS DATE	MCL or QC Range
Antimony 121	01097		6020	Not Detected	ug/L	60	VK	6/27/2002	
n 137	01007		6020	Not Detected	ug/L	200	VK	6/27/2002	
Thallium 205	01059		6020	Not Detected	ug/L	10	VK	6/27/2002	
Lead 207	01051		6020	Not Detected	ug/L	3	VK	6/27/2002	
ICP TAL Metals in Water QC Batch 50353									
Aluminum	01105		6010B	Not Detected	ug/L	200	LA	7/10/2002	
Calcium	00916		6010B	Not Detected	ug/L	5000	LA	7/10/2002	
Iron	01045		6010B	Not Detected	ug/L	100	LA	7/10/2002	
Potassium	00937		6010B	Not Detected	ug/L	5000	LA	7/10/2002	
Magnesium	00927		6010B	Not Detected	ug/L	5000	LA	7/10/2002	
Manganese	01055		6010B	Not Detected	ug/L	15	LA	7/10/2002	
Sodium	00929		6010B	Not Detected	ug/L	5000	LA	7/10/2002	
QC Batch 49962									
Mercury	71900		EPA 7470A	Not Detected	ug/L	0.2	PB	7/2/2002	
Pesticides in Water QC Batch 49997									
TCMX surr std			EPA 8081A	0.386	ug/L		JSM	7/16/2002	*0.240 to 0.560*
DCB surr std			EPA 8081A	0.701	ug/L		JSM	7/16/2002	*0.480 to 1.12*
a-BHC			EPA 8081A	Not Detected	ug/L	0.05	JSM	7/16/2002	
b-BHC			EPA 8081A	Not Detected	ug/L	0.06	JSM	7/16/2002	
d-BHC			EPA 8081A	Not Detected	ug/L	0.15	JSM	7/16/2002	
LINDANE (g-BHC)			EPA 8081A	Not Detected	ug/L	0.05	JSM	7/16/2002	
CHLORDANE			EPA 8081A	Not Detected	ug/L	2.0	JSM	7/16/2002	
4,4-DDD			EPA 8081A	Not Detected	ug/L	0.10	JSM	7/16/2002	
4,4-DDE			EPA 8081A	Not Detected	ug/L	0.05	JSM	7/16/2002	
4,4-DDT			EPA 8081A	Not Detected	ug/L	0.06	JSM	7/16/2002	
DIELDRIN			EPA 8081A	Not Detected	ug/L	0.05	JSM	7/16/2002	
ENDOSULFAN I			EPA 8081A	Not Detected	ug/L	0.10	JSM	7/16/2002	
ENDOSULFAN II			EPA 8081A	Not Detected	ug/L	0.10	JSM	7/16/2002	
ENDOSULFAN SULFATE			EPA 8081A	Not Detected	ug/L	0.10	JSM	7/16/2002	
ENDRIN			EPA 8081A	Not Detected	ug/L	0.10	JSM	7/16/2002	
ENDRIN ALDEHYDE			EPA 8081A	Not Detected	ug/L	0.10	JSM	7/16/2002	
HEPTACHLOR			EPA 8081A	Not Detected	ug/L	0.05	JSM	7/16/2002	
HEPTACHLOR EPOXIDE			EPA 8081A	Not Detected	ug/L	0.05	JSM	7/16/2002	
TOXAPHENE			EPA 8081A	Not Detected	ug/L	3.0	JSM	7/16/2002	
CHLORPYRIFOS (DURSBAN)			EPA 8081A	Not Detected	ug/L	0.10	JSM	7/16/2002	
HEXACHLOROBENZENE			EPA 8081A	Not Detected	ug/L	0.05	JSM	7/16/2002	
METHOXYCHLOR			EPA 8081A	Not Detected	ug/L	0.20	JSM	7/16/2002	
MIREX			EPA 8081A	Not Detected	ug/L	0.30	JSM	7/16/2002	
ALDRIN			EPA 8081A	Not Detected	ug/L	0.05	JSM	7/16/2002	
gamma-CHLORDANE			EPA 8081A	Not Detected	ug/L	0.10	JSM	7/16/2002	
alpha-CHLORDANE			EPA 8081A	Not Detected	ug/L	0.10	JSM	7/16/2002	

COMMENTS: $P_8270W - Matrix Spike had eight compounds, Phenol (32.7% RPD, limit <30% RPD), 2-Chlorophenol (35.3% RPD, limit <30% RPD), 1,4-Dichlorobenzene (34.1% RPD, limit <30% RPD), n-Nitroso-di-n-propylamine (36.3% RPD, limit <30% RPD), 1,2,4-Trichlorobenzene (35.3% RPD, limit <30% RPD), 4-Chloro-3-methylphenol (47.2% RPD, limit <30% RPD), Acenaphthene (44.2% RPD, limit <30% RPD) and 2,4-Dinitrotoluene (37.9% RPD, limit <30% RPD), with precision outside acceptable control limits. LCS results were within acceptable control limits.7-071002-291

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
org/L: organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
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Laboratory Contacts:

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Metals:	Mark Tolbert	404-206-5240
Organics:	Danny Reed	404-206-5252
GC Mass Spec:	Steve Bryan	404-206-5260
Microbiology:	Viola Reynolds	404-206-5210

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Land Protection Branch
4244 International Pkwy Rm 104
Atlanta, GA 30354

Sample ID: AD69476
Location Code: LPB
Date Collected: 6/25/2002 3:00:00 PM
Date Received: 6/26/2002 4:15:00 PM

QA/QC Batch Name: $8260W-50020
Project: HW
Sample Description: TELFAIR CO./ LPB4766 GWA-1

Samples in Batch #: 50020

AD69406	AD69407	AD69423	AD69425
AD69426	AD69427	AD69476	AD69480
AD69482	AD69484	AD69488	

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision RPD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
$8260W 1,1,1,2-Tetrachloroethane	ND	<5						51			
$8260W 1,1,1-Trichloroethane	ND	<5						51			
$8260W 1,1,2,2-Tetrachloroethane	ND	<5						47			
$8260W 1,1,2-Trichloroethane	ND	<5						50			
$8260W 1,1,2-Trichlorotrifluoroethane	ND										
$8260W 1,1-Dichloroethane	ND	<5						51			
$8260W 1,1-Dichloroethene	ND	<5	50	60	63	4.88	120	50	53	5.83	100
$8260W 1,1-Dichloropropene	ND	<5						50			
$8260W 1,2,3-Trichlorobenzene	ND	<5						48			
$8260W 1,2,3-Trichloropropane	ND	<5						48			
$8260W 1,2,4-Trichlorobenzene	ND	<5						48			
$8260W 1,2,4-Trimethylbenzene	ND	<5						50			
$8260W 1,2-Dibromo-3-chloropropane	ND	<5						44			
$8260W 1,2-Dibromoethane	ND	<5						51			
$8260W 1,2-Dichlorobenzene	ND	<5						49			
$8260W 1,2-Dichloroethane	ND	<5						51			
$8260W 1,2-Dichloroethane-d4(Surrogate QC Std.)	48	48	50	49	50			48	47		
$8260W 1,2-Dichloropropane	ND	<5						51			
$8260W 1,3,5-Trimethylbenzene	ND	<5						50			
$8260W 1,3-Dichlorobenzene	ND	<5						50			
$8260W 1,3-Dichloropropane	ND	<5						50			
$8260W 1,4-Dichlorobenzene	ND	<5						49			
$8260W 2,2-Dichloropropane	ND	<5						54			
$8260W 2-Butanone	ND	<100						53			
$8260W 2-Chloroethyl vinyl ether	ND	<5						46			
$8260W 2-Chlorotoluene	ND	<5						49			
$8260W 2-Hexanone	ND	<50						53			
$8260W 4-Chlorotoluene	ND	<5						50			
$8260W 4-Methyl-2-Pentanone	ND	<50						46			
$8260W Acetone	ND	<100						**U*66**			
$8260W Benzene	ND	<5	50	54	54		108	50	51	1.98	100
$8260W Bromobenzene	ND	<5						51			
$8260W Bromochloromethane	ND	<5						54			
$8260W Bromodichloromethane	ND	<5						52			
$8260W Bromofluorobenzene(Surrogate QC Std.)	48	49	50	50	50			50	51		

QA/QC BATCH REPORT

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision RPD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
$8260W Bromoform	ND	<5						50			
$8260W Bromomethane	ND	<10						54			
$8260W Carbon Disulfide	ND	<5						44			
$8260W Carbon Tetrachloride	ND	<5						51			
$8260W Chlorobenzene	ND	<5	50	50	50		100	49	52	5.94	98.0
$8260W Chloroethane	ND	<10						52			
$8260W Chloroform	ND	<5						51			
$8260W Chloromethane	ND	<10						48			
$8260W cis-1,2-Dichloroethene	ND	<5						53			
$8260W cis-1,3-Dichloropropene	ND	<5						51			
$8260W Cyclohexane	ND										
$8260W Dibromochloromethane	ND	<5						52			
$8260W Dibromofluoromethane(Surrogate QC Std.)	50	49	50	51	51			49	49		
$8260W Dibromomethane	ND	<5						51			
$8260W Dichlorodifluoromethane	ND	<5						40			
$8260W Ethylbenzene	ND	<5						49			
$8260W Hexachlorobutadiene	ND	<5						50			
$8260W Iodomethane	ND	<5						50			
$8260W Isopropylbenzene	ND	<5						49			
$8260W Methyl acetate	ND										
$8260W Methyl tert-butyl ether	ND										
$8260W Methylcyclohexane	ND										
$8260W Methylene Chloride	ND	<5						51			
$8260W Naphthalene	ND	<5						46			
$8260W n-Butylbenzene	ND	<5						48			
$8260W n-Propylbenzene	ND	<5						49			
$8260W o-Xylene	ND	<5						50			
$8260W p,m-Xylene	ND	<10						99			
$8260W p-Isopropyltoluene	ND	<5						55			
$8260W sec-Butylbenzene	ND	<5						49			
$8260W Styrene	ND	<5						49			
$8260W tert-Butylbenzene	ND	<5						51			
$8260W Tetrachloroethene	ND	<5						47			
$8260W Toluene	ND	<5	50	53	53		106	52	54	3.77	104
$8260W Toluene-d8(Surrogate QC Std.)	50	50	50	50	49			50	50		
$8260W trans-1,2-Dichloroethene	ND	<5						50			
$8260W trans-1,3-Dichloropropene	ND	<5						51			
$8260W Trichloroethene	ND	<5	50	54	54		108	52	53	1.90	104
$8260W Trichlorofluoromethane	ND	<5						52			
$8260W Vinyl Acetate	ND	<50						48			

QA/QC BATCH REPORT

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision RPD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
$8260W Vinyl Chloride	ND	<2						49			

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69427
Location Code: HWMB
Date Collected: 6/25/2002
Date Received: 6/26/2002 12:56:00 PM

QA/QC Batch Name: CNTAL-50040
Project: HW
Sample Description: OAKWOOD MHP FIELD BLK HW

Samples in Batch #: 50040
AD69427

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision RPD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
CNTAL	ND	<25	400	409	407	0.490	102	400	401	0.250	100

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69427
Location Code: HWMB
Date Collected: 6/25/2002
Date Received: 6/26/2002 12:56:00 PM

QA/QC Batch Name: $8270W-50178
Project: HW
Sample Description: OAKWOOD MHP FIELD BLK HW

Samples in Batch #: 50178
AD69191 AD69406 AD69423 AD69427 AD69473

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision RPD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
$8270W 1,1'-Biphenyl	ND										
$8270W 1,2,4,5-Tetrachlorobenzene	ND	<10		ND	ND	ND					
$8270W 1,2,4-Trichlorobenzene	ND	<10	100	73.7	51.6	**U*35.3**	73.7	58.9	67	12.9	58.9
$8270W 1,2-Dichlorobenzene	ND	<10		ND	ND	ND					
$8270W 1,2-Diphenylhydrazine	ND	<10		ND	ND	ND					
$8270W 1,3-Dichlorobenzene	ND	<10		ND	ND	ND					
$8270W 1,4-Dichlorobenzene	ND	<10	100	69.0	48.9	**U*34.1**	69.0	54.0	60	10.5	54.0
$8270W 1-Chloronaphthalene	ND	<10		ND	ND	ND					
$8270W 1-Naphthylamine	ND	<10		ND	ND	ND					
$8270W 2,3,4,6-Tetrachlorophenol	ND	<10		ND	ND	ND					
$8270W 2,4,5-Trichlorophenol	ND	<10		ND	ND	ND					
$8270W 2,4,6-Tribromophenol(Surrogate QC Std.)	81	49	100	76.4	47.3			62.8	71	12.3	62.8
$8270W 2,4,6-Trichlorophenol	ND	<10		ND	ND	ND					
$8270W 2,4-Dichlorophenol	ND	<10		ND	ND	ND					
$8270W 2,4-Dimethylphenol	ND	<10		ND	ND	ND					
$8270W 2,4-Dinitrophenol	ND	<50		ND	ND	ND					
$8270W 2,4-Dinitrotoluene	ND	<10	100	90.4	61.6	**U*37.9**	90.4	68.8	80	15.1	68.8
$8270W 2,6-Dichlorophenol	ND	<10		ND	ND	ND					
$8270W 2,6-Dinitrotoluene	ND	<10		ND	ND	ND					
$8270W 2-Chloronaphthalene	ND	<10		ND	ND	ND					
$8270W 2-Chlorophenol	ND	<10	100	71.0	49.7	**U*35.3**	71.0	63.2	72	13.0	63.2
$8270W 2-Fluorobiphenyl(Surrogate QC Std.)	81	53	100	77.1	50.6			62.9	71	12.1	62.9
$8270W 2-Fluorophenol(Surrogate QC Std.)	33	33	100	38.3	26.7			35.1	40	13.0	35.1
$8270W 2-Methylnaphthalene	ND	<10		ND	ND	ND					
$8270W 2-Methylphenol	ND	<10		ND	ND	ND					
$8270W 2-Naphthylamine	ND	<10		ND	ND	ND					
$8270W 2-Nitroaniline	ND	<50		ND	ND	ND					
$8270W 2-Nitrophenol	ND	<10		ND	ND	ND					
$8270W 2-Picoline	ND	<10		ND	ND	ND					
$8270W 3,3'-Dichlorobenzidine	ND	<20		ND	ND	ND					
$8270W 3-Methylcholanthrene	ND	<10		ND	ND	ND					
$8270W 3-Nitroaniline	ND	<50		ND	ND	ND					
$8270W 4,6-Dinitro-2-methylphenol	ND	<50		ND	ND	ND					
$8270W 4-Aminobiphenyl	ND	<20		ND	ND	ND					
$8270W 4-Bromophenyl-phenylether	ND	<10		ND	ND	ND					

QA/QC BATCH REPORT

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision RPD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
$8270W 4-Chloro-3-methylphenol	ND	<20	100	84.1	52.0	**U*47.2**	84.1	62.5	76	19.5	62.5
$8270W 4-Chloroaniline	ND	<20		ND	ND	ND					
$8270W 4-Chlorophenyl-phenylether	ND	<10		ND	ND	ND					
$8270W 4-Methylphenol	ND	<10		ND	ND	ND					
$8270W 4-Nitroaniline	ND	<20		ND	ND	ND					
$8270W 4-Nitrophenol	ND	<50	100	33.8	27.6	20.2	33.8	25.9	32	21.1	25.9
$8270W 7,12-Dimethylbenz(a)anthracene	ND	<10		ND	ND	ND					
$8270W aa-dimethyl-Phenethylamine	ND	<10		ND	ND	ND					
$8270W Acenaphthene	ND	<10	100	88.4	56.4	**U*44.2**	88.4	70.6	80	12.5	70.6
$8270W Acenaphthylene	ND	<10		ND	ND	ND					
$8270W Acetophenone	ND	<10		ND	ND	ND					
$8270W Aldrin	ND	<10		ND	ND	ND					
$8270W Alpha-BHC	ND	<10		ND	ND	ND					
$8270W Aniline	ND	<10		ND	ND	ND					
$8270W Anthracene	ND	<10		ND	ND	ND					
$8270W Atrazine	ND										
$8270W Benzaldehyde	ND										
$8270W Benzidine	ND	<10		ND	ND	ND					
$8270W Benzo[a]anthracene	ND	<10		ND	ND	ND					
$8270W Benzo[a]pyrene	ND	<10		ND	ND	ND					
$8270W Benzo[b]fluoranthene	ND	<10		ND	ND	ND					
$8270W Benzo[g,h,i]perylene	ND	<10		ND	ND	ND					
$8270W Benzo[k]fluoranthene	ND	<10		ND	ND	ND					
$8270W Benzoic acid	ND	<50		ND	ND	ND					
$8270W Benzyl alcohol	ND	<20		ND	ND	ND					
$8270W Beta-BHC	ND	<10		ND	ND	ND					
$8270W bis(2-Chloroethoxy)methane	ND	<10		ND	ND	ND					
$8270W bis(2-Chloroethyl)ether	ND	<10		ND	ND	ND					
$8270W bis(2-Chloroisopropyl)ether	ND	<10		ND	ND	ND					
$8270W bis(2-Ethylhexyl)phthalate	ND	<10		ND	ND	ND					
$8270W Butylbenzylphthalate	ND	<10		ND	ND	ND					
$8270W Caprolactam	ND										
$8270W Carbazole	ND										
$8270W Chyrsene	ND	<10		ND	ND	ND					
$8270W Delta-BHC	ND	<10		ND	ND	ND					
$8270W Dibenz(a,j)acridine	ND	<10		ND	ND	ND					
$8270W Dibenz[a,h]anthracene	ND	<10		ND	ND	ND					
$8270W Dibenzofuran	ND	<10		ND	ND	ND					
$8270W Dieldrin	ND	<10		ND	ND	ND					
$8270W Diethylphthalate	ND	<10		ND	ND	ND					

QA/QC BATCH REPORT

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision RPD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
$8270W Dimethylphthalate	ND	<10		ND	ND	ND					
$8270W Di-n-butylphthalate	ND	<10		ND	ND	ND					
$8270W Di-n-octylphthalate	ND	<10		ND	ND	ND					
$8270W Diphenylamine	ND	<10		ND	ND	ND					
$8270W Endosulfan 1	ND	<50		ND	ND	ND					
$8270W Endosulfan 2	ND	<50		ND	ND	ND					
$8270W Endosulfan Sulfate	ND	<25		ND	ND	ND					
$8270W Endrin	ND	<20		ND	ND	ND					
$8270W Endrin Aldehyde	ND	<10		ND	ND	ND					
$8270W Ethylmethanesulfonate	ND	<20		ND	ND	ND					
$8270W Fluoranthene	ND	<10		ND	ND	ND					
$8270W Fluorene	ND	<10		ND	ND	ND					
$8270W Gamma-BHC	ND	<10		ND	ND	ND					
$8270W Heptachlor	ND	<10		ND	ND	ND					
$8270W Heptachlor Epoxide	ND	<25		ND	ND	ND					
$8270W Hexachlorobenzene	ND	<10		ND	ND	ND					
$8270W Hexachlorobutadiene	ND	<10		ND	ND	ND					
$8270W Hexachlorocyclopentadiene	ND	<10		ND	ND	ND					
$8270W Hexachloroethane	ND	<10		ND	ND	ND					
$8270W Indeno[1,2,3-cd]pyrene	ND	<10		ND	ND	ND					
$8270W Isophorone	ND	<10		ND	ND	ND					
$8270W Methylmethanesulfonate	ND	<10		ND	ND	ND					
$8270W Naphthalene	ND	<10		ND	ND	ND					
$8270W Nitrobenzene	ND	<10		ND	ND	ND					
$8270W Nitrobenzene-d5(Surrogate QC Std.)	66	59	100	76.8	54.2			63.9	73	13.3	63.9
$8270W n-Nitrosodimethylamine	ND	<10		ND	ND	ND					
$8270W n-Nitroso-di-n-butylamine	ND	<10		ND	ND	ND					
$8270W n-Nitroso-di-n-propylamine	ND	<10	100	88.3	61.2	**U*36.3**	88.3	69.7	82	16.2	69.7
$8270W n-Nitrosodiphenylamine	ND	<10		ND	ND	ND					
$8270W n-Nitrosopiperidine	ND	<20		ND	ND	ND					
$8270W p,p'-DDD	ND	<10		ND	ND	ND					
$8270W p,p'-DDE	ND	<10		ND	ND	ND					
$8270W p,p'-DDT	ND	<10		ND	ND	ND					
$8270W p-Dimethylaminoazobenzene	ND	<10		ND	ND	ND					
$8270W Pentachlorobenzene	ND	<10		ND	ND	ND					
$8270W Pentachloronitrobenzene	ND	<20		ND	ND	ND					
$8270W Pentachlorophenol	ND	<50	100	95.4	74.9	24.1	95.4	79.6	95	17.6	79.6
$8270W Phenacetin	ND	<20		ND	ND	ND					
$8270W Phenanthrene	ND	<10		ND	ND	ND					
$8270W Phenol	ND	<10	100	26.0	18.7	**U*32.7**	26.0	23.3	27	14.7	23.3

QA/QC BATCH REPORT

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision RPD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
$8270W Phenol-d5(Surrogate QC Std.)	20	19	100	25.0	17.8			22.0	25	12.8	22.0
$8270W Pronamide	ND	<10		ND	ND	ND					
$8270W Pyrene	ND	<10	100	107	96.0	10.8	107	89.3	99	10.3	89.3
$8270W Pyridine	ND	<10		ND	ND	ND					
$8270W Terphenyl-d14(Surrogate QC Std.)	110	78	100	101	95.8			89.0	97	8.60	89.0

Comments: $P_8270W - Matrix Spike had eight compounds, Phenol (32.7% RPD, limit <30% RPD), 2-Chlorophenol (35.3% RPD, limit <30% RPD), 1,4-Dichlorobenzene (34.1% RPD, limit <30% RPD), n-Nitroso-di-n-propylamine (36.3% RPD, limit <30% RPD), 1,2,4-Trichlorobenzene (35.3% RPD, limit <30% RPD), 4-Chloro-3-methylphenol (47.2% RPD, limit <30% RPD), Acenaphthene (44.2% RPD, limit <30% RPD) and 2,4-Dinitrotoluene (37.9% RPD, limit <30% RPD), with precision outside acceptable control limits. LCS results were within acceptable control limits.7-071002-291

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69024
Location Code: HWMB
Date Collected: 6/19/2002 3:45:00 PM
Date Received: 6/20/2002 2:46:00 PM

QA/QC Batch Name: $IMSTL-49945
Project: HW
Sample Description: ARIVEC CHEMICALS GW-1 HW9060

Samples in Batch #: 49945

AD69020	AD69024	AD69028	AD69031
AD69060	AD69061	AD69062	AD69063
AD69152	AD69155	AD69427	

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision RPD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
$IMSTL Antimony 121	ND	<60	500	503	509	1.19	101	514	509	0.978	103
$IMSTL Arsenic 75	ND	<10	500	482	488	1.24	96.4	486	497	2.24	97.2
$IMSTL Barium 137	ND	<200	500	517	520	0.579	103	501	505	0.795	100
$IMSTL Beryllium 9	ND	<5	500	493	497	0.808	98.6	480	486	1.24	96.0
$IMSTL Cadmium 111	ND	<5	500	482	484	0.414	96.4	487	502	3.03	97.4
$IMSTL Chromium 52	53	<10	500	462	463	0.216	81.8	464	471	1.50	92.8
$IMSTL Cobalt 59	ND	<50	500	448	458	2.21	89.6	465	465	0.00	93.0
$IMSTL Copper 65	10	<25	500	487	494	1.43	95.4	498	506	1.59	99.6
$IMSTL Lead 207	ND	<3	500	484	491	1.44	96.8	490	498	1.62	98.0
$IMSTL Nickel 60	ND	<40	500	484	488	0.823	96.8	485	495	2.04	97.0
$IMSTL Selenium 82	ND	<5	2500	2410	2420	0.414	96.4	2420	2490	2.85	96.8
$IMSTL Silver 107	ND	<10	100	95.0	96.9	1.98	95.0	98.2	99.2	1.01	98.2
$IMSTL Thallium 205	ND	<10	500	467	470	0.640	93.4	466	479	2.75	93.2
$IMSTL Vanadium 51	51	<50	500	462	463	0.216	82.2	464	471	1.50	92.8
$IMSTL Zinc 68	ND	<20	500	484	488	0.823	96.8	486	501	3.04	97.2

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69427
Location Code: HWMB
Date Collected: 6/25/2002
Date Received: 6/26/2002 12:56:00 PM

QA/QC Batch Name: $TAL_L-50353
Project: HW
Sample Description: OAKWOOD MHP FIELD BLK HW

Samples in Batch #: 50353
AD69427

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision RPD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
$TAL_L Aluminum	ND	<200	5000	5020	5080	1.19	100	5070	5110	0.786	101
$TAL_L Calcium	ND	<5000	5000	5050	5140	1.77	101	5120	5170	0.972	102
$TAL_L Iron	ND	<100	5000	5020	5100	1.58	100	5080	5130	0.979	102
$TAL_L Magnesium	ND	<5000	5000	5020	5100	1.58	100	5030	5070	0.792	101
$TAL_L Manganese	ND	<15	5000	5030	5120	1.77	101	5120	5180	1.16	102
$TAL_L Potassium	ND	<5000	5000	5060	5030	0.595	101	4990	5030	0.798	99.8
$TAL_L Sodium	ND	<5000	5000	4990	5050	1.20	99.8	5100	5180	1.56	102

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69427
Location Code: HWMB
Date Collected: 6/25/2002
Date Received: 6/26/2002 12:56:00 PM

QA/QC Batch Name: HG7470-49962
Project: HW
Sample Description: OAKWOOD MHP FIELD BLK HW

Samples in Batch #: 49962
AD69427

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision % RSD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
HG7470	ND	<0.2	3.00	3.19	3.26	2.17	108	3.09	3.09	0.00	103

QA/QC BATCH REPORT

To: Georgia Env Protection Divison
Hazardous Waste Mgmt Branch
205 Butler St SE Suite 1154E
Atlanta, GA 30334

Sample ID: AD69427
Location Code: HWMB
Date Collected: 6/25/2002
Date Received: 6/26/2002 12:56:00 PM

QA/QC Batch Name: $8081H-49997
Project: HW
Sample Description: OAKWOOD MHP FIELD BLK HW

Samples in Batch #: 49997
AD69427

Analysis/Analyte	Result ug/L	Method Blank ug/L	Amount Spiked ug/L	MS Result ug/L	MS Dup Result ug/L	MS Dup Precision RPD	MS Recovery %	LCS Result ug/L	LCS Dup Result ug/L	LCS Dup Precision RPD	LCS Recovery %
$8081H 4,4-DDD	ND	<0.10	ND	ND	ND		ND	ND	ND	ND	ND
$8081H 4,4-DDE	ND	<0.05	ND	ND	ND		ND	ND	ND	ND	ND
$8081H 4,4-DDT	ND	<0.06	ND	ND	ND		ND	ND	ND	ND	ND
$8081H a-BHC	ND	<0.05	ND	ND	ND		ND	ND	ND	ND	ND
$8081H ALDRIN	ND	<0.05	ND	ND	ND		ND	ND	ND	ND	ND
$8081H alpha-CHLORDANE	ND	<0.10	ND	ND	ND		ND	ND	ND	ND	ND
$8081H b-BHC	ND	<0.06	ND	ND	ND		ND	ND	ND	ND	ND
$8081H CHLORDANE	ND	<2.0	10	10.1	9.95	1.50	101	9.94	10.2	2.58	99.4
$8081H CHLORPYRIFOS (DURSBAN)	ND	<0.10	ND	ND	ND		ND	ND	ND	ND	ND
$8081H d-BHC	ND	<0.15	ND	ND	ND		ND	ND	ND	ND	ND
$8081H DCB surr std	0.701	0.680	0.80	0.769	0.653			0.634	0.712		79.2
$8081H DIELDRIN	ND	<0.05	ND	ND	ND		ND	ND	ND	ND	ND
$8081H ENDOSULFAN I	ND	<0.10	ND	ND	ND		ND	ND	ND	ND	ND
$8081H ENDOSULFAN II	ND	<0.10	ND	ND	ND		ND	ND	ND	ND	ND
$8081H ENDOSULFAN SULFATE	ND	<0.10	ND	ND	ND		ND	ND	ND	ND	ND
$8081H ENDRIN	ND	<0.10	ND	ND	ND		ND	ND	ND	ND	ND
$8081H ENDRIN ALDEHYDE	ND	<0.10	ND	ND	ND		ND	ND	ND	ND	ND
$8081H gamma-CHLORDANE	ND	<0.10	ND	ND	ND		ND	ND	ND	ND	ND
$8081H HEPTACHLOR	ND	<0.05	ND	ND	ND		ND	ND	ND	ND	ND
$8081H HEPTACHLOR EPOXIDE	ND	<0.05	ND	ND	ND		ND	ND	ND	ND	ND
$8081H HEXACHLOROBENZENE	ND	<0.05	ND	ND	ND		ND	ND	ND	ND	ND
$8081H LINDANE (g-BHC)	ND	<0.05	ND	ND	ND		ND	ND	ND	ND	ND
$8081H METHOXYCHLOR	ND	<0.20	ND	ND	ND		ND	ND	ND	ND	ND
$8081H MIREX	ND	<0.30	ND	ND	ND		ND	ND	ND	ND	ND
$8081H TCMX surr std	0.386	0.398	0.40	0.396	0.392			0.366	0.349		91.5
$8081H TOXAPHENE	ND	<3.0	ND	ND	ND		ND	ND	ND	ND	ND

Oakwood Mobile Home Park
Athens, Clarke County

LAT 33° 59' 19"N / LONG 83° 25' 24"W

	Population		Households		Households Domestic Well		Households Public Water		Population Domestic Well		Population Public Water	
RAD	Ring	Total	Ring	Total	Ring	Total	Ring	Total	Ring	Total	Ring	Total
.25	91	91	30	30	5	5	26	26	14	14	76	76
.5□	314	404	110	140	13	18	97	122	38	53	275	352
1□	1428	1833	516	656	46	64	470	592	136	189	1293	1644
2□	7141	8974	2829	3485	176	240	2654	3246	485	673	6656	8300
3□	14326	23300	6115	9600	294	534	5820	9066	736	1410	13590	21890
4□	24198	47499	8001	17601	398	932	7603	16669	1016	2426	23182	45072

Source: Census of Populaton and Housing, 1990: Summary Tape File 3 on CD-ROM Georgia [machine-readable data files] / prepared by the Bureau of the Census. –Washington: The Bureau [producer and distributor], 1992.

ATHENS COLLEGE OF AG, CLARKE COUNTY, GEORGIA USA

Located at *about* 33.91°N 83.35°W. Height *about* 210m / 689 feet above sea level.

Average Rainfall

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
mm	133.4	113.9	148.8	116.9	99.2	99.2	126.1	94.3	67.9	73.6	88.4	101.5	1264.1
inches	5.3	4.5	5.9	4.6	3.9	3.9	5.0	3.7	2.7	2.9	3.5	4.0	49.8

Source: derived from NCDC Cooperative Stations. 29 complete years between 1935 and 1971

For **current** weather conditions, weather maps and forecasts, see Weather Site dot com.

Map of this area from tiger.census.gov.
Locations outside the continental US are not mapped.

See this location marked on a 5° square map from the Xerox Parc Map Server.

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ATHENS MUNI AP, CLARKE COUNTY, GEORGIA USA

Located at *about* 33.95°N 83.31°W. Height *about* 244m / 800 feet above sea level.

Average Temperature

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
°C	5.4	7.5	12.0	16.4	20.7	24.6	26.4	25.8	22.7	16.7	11.8	7.2	16.5
°F	41.7	45.5	53.6	61.5	69.3	76.3	79.5	78.4	72.9	62.1	53.2	45.0	61.7

Source: derived from NCDC TD 9641 Clim 81 1961-1990 Normals. 30 years between 1961 and 1990

For **current** weather conditions, weather maps and forecasts, see Weather Site dot com.

Map of this area from tiger.census.gov.
Locations outside the continental US are not mapped.

See this location marked on a 5° square map from the Xerox Parc Map Server.

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PLANT	DICOT	ANEMONE BERLANDIERI	GLADE WINDFLOWER			G4?	S1S2
PLANT	DICOT	ASTER GEORGIANUS	GEORGIA ASTER			G2G3	S2
NATURAL C	NATURAL COMMU	BARE ROCK/LICHENS, PD GRANIT	GRANITE OUTCROP ROCK/LICHENS				
ANIMAL	FISH	CYPRINELLA CALLISEMA	OCMULGEE SHINER			G3	S3
ANIMAL	FISH	CYPRINELLA CALLISEMA	OCMULGEE SHINER			G3	S3
ANIMAL	FISH	CYPRINELLA XAENURA	ALTAMAHA SHINER		E	G1G2	S1S2
ANIMAL	FISH	CYPRINELLA XAENURA	ALTAMAHA SHINER		E	G1G2	S1S2
ANIMAL	FISH	CYPRINELLA XAENURA	ALTAMAHA SHINER		E	G1G2	S1S2
ANIMAL	FISH	CYPRINELLA XAENURA	ALTAMAHA SHINER	same (1)	E	G1G2	S1S2
ANIMAL	FISH	CYPRINELLA XAENURA	ALTAMAHA SHINER		E	G1G2	S1S2
ANIMAL	FISH	CYPRINELLA XAENURA	ALTAMAHA SHINER		E	G1G2	S1S2
ANIMAL	FISH	CYPRINELLA XAENURA	ALTAMAHA SHINER		E	G1G2	S1S2
PLANT	DICOT	DRABA APRICA	OPEN-GROUND WHITLOW-GRASS (2)		E	G3	S1S2
PLANT	MONOCOT	ERIOCAULON KOERNICKIANUM	PIPEWORT			G2	S1
NATURAL C	NATURAL COMMU	HERBACEOUS VEG., PD GRANITE	GRANITE OUTCROP HERB COMMUNI				
PLANT	MONOCOT	MELANTHIUM LATIFOLIUM	BROADLEAF BUNCHFLOWER			G5	S2?
ANIMAL	MAMMAL	MYOTIS AUSTRORIPARIUS	SOUTHEASTERN MYOTIS			G3G4	S3
ANIMAL	MAMMAL	MYOTIS GRISESCENS	GRAY MYOTIS	LE (3)	E	G3	S1
PLANT	DICOT	NESTRONIA UMBELLULA	INDIAN OLIVE	(1)	T	G4	S2
PLANT	DICOT	SEDUM PUSILLUM	DWARF GRANITE STONECROP	(2)	T	G3	S3
NATURAL C	NATURAL COMMU	SHRUB/SCRUB VEG., PD GRANITE	GRANITE OUTCROP SHRUB/SCRUB				

3 endangered
2 threatened

* Georgia Endangered Species | Plant List *

1986-04-00	CLARKE	ATHENS EAST	SW
1926-10-12	CLARKE	ATHENS EAST	SW
1987-06-08	CLARKE	ATHENS EAST	SW
1955-10-00	CLARKE	ATHENS WEST	SE
1950-09-01	CLARKE	ATHENS WEST	SE
1954-10-26	CLARKE		
1950-08-14	CLARKE	ATHENS WEST	SE
1952-10-02	CLARKE	ATHENS WEST	NW
1951-04-26	CLARKE	ATHENS EAST	SW
1992-10-25	CLARKE	ATHENS WEST	NW
1994-11-09	CLARKE	ATHENS EAST	SW
1994-11-09	CLARKE	ATHENS EAST	NW
1987-05-12	CLARKE	ATHENS EAST	SW
1997-06-00	CLARKE	ATHENS EAST	SW
1987-06-08	CLARKE	ATHENS EAST	SW
1968-06-24	CLARKE	ATHENS EAST	SW
1963-07-29	CLARKE	ATHENS EAST	NW
1967-10-24	CLARKE	ATHENS EAST	NW
1931-05-25	CLARKE	ATHENS WEST	SW
1989-02-18	CLARKE	ATHENS EAST	SW
1987-06-08	CLARKE	ATHENS EAST	SW

SITE INSPECTION WORKSHEETS

CERCLIS IDENTIFICATION NUMBER
GAN000407412

SITE LOCATION			
SITE NAME: LEGAL, COMMON, OR DESCRIPTIVE NAME OF SITE Oakwood Mobile Home Park			
STREET ADDRESS, ROUTE, OR SPECIFIC LOCATION IDENTIFIER 215 Camak Drive			
CITY Athens	STATE GA	ZIP CODE 30607	TELEPHONE ( ) N/A
COORDINATES: LATITUDE and LONGITUDE 33°59'24.73"N ; 83°25'24.82"W	TOWNSHIP, RANGE, AND SECTION N/A		

OWNER/OPERATOR IDENTIFICATION					
OWNER Elton McElheney			OPERATOR		
OWNER ADDRESS 215 Camak Drive			OPERATOR ADDRESS		
CITY Athens			CITY		
STATE GA	ZIP CODE 30607	TELEPHONE ( )	STATE	ZIP CODE	TELEPHONE ( )

SITE EVALUATION		
AGENCY/ORGANIZATION GA EPD		
INVESTIGATOR Brooke M. Davis		
CONTACT Andrew Taft		
ADDRESS 2 Martin Luther King Jr. Dr. SE	Suite 1154	
CITY Atlanta	STATE Georgia	ZIP CODE 30334
TELEPHONE (404) 656-7802		

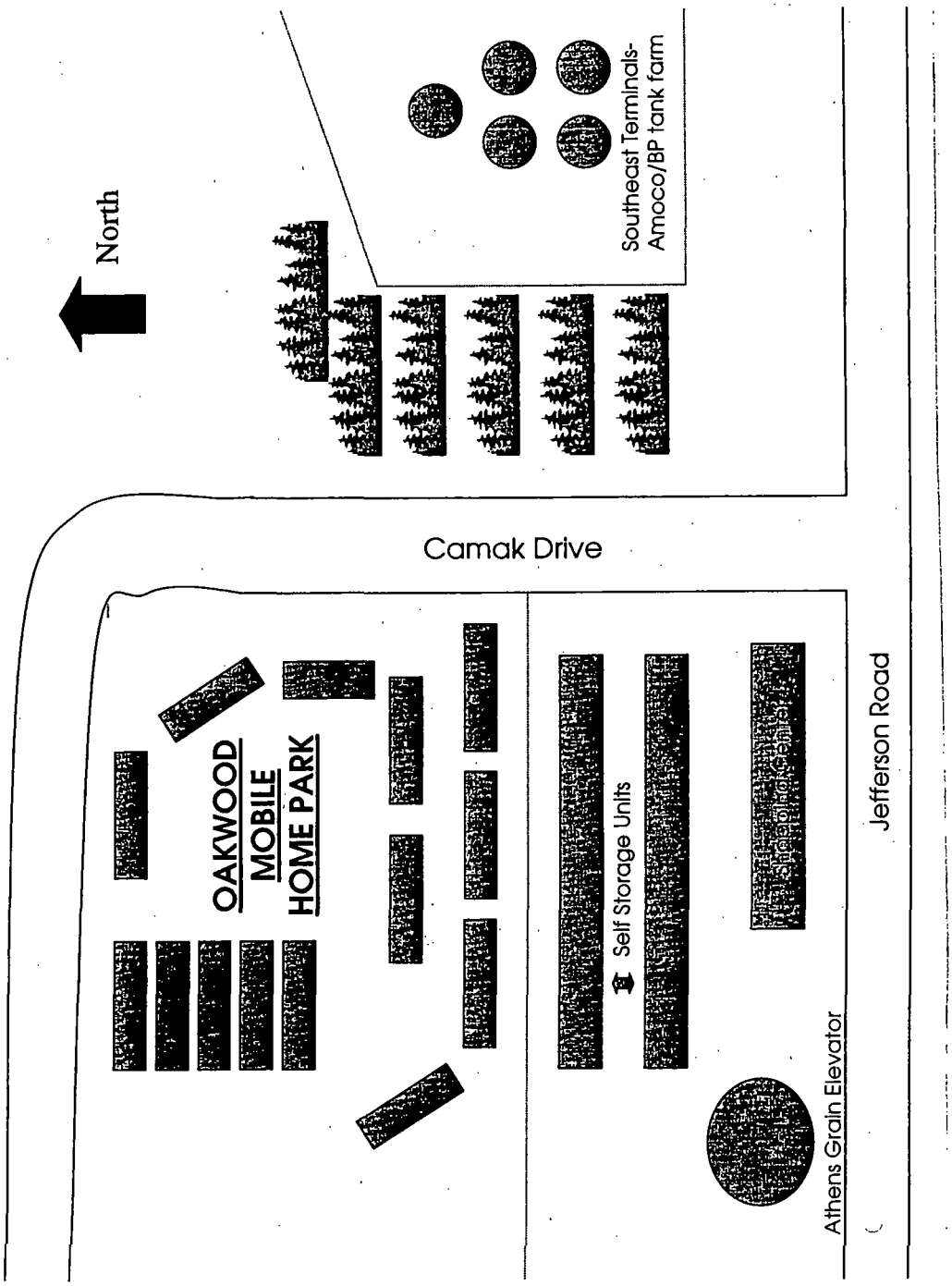
GENERAL INFORMATION

Site Description and Operational History: Provide a brief description of the site and its operational history. State the site name, owner, operator, type of facility and operations, size of property, active or inactive status, and years of waste generation. Summarize waste treatment, storage, or disposal activities that have or may have occurred at the site; note whether these activities are documented or alleged. Identify all source types and prior spills, floods, or fires. Summarize highlights of the PA and other investigations. Cite references.

The park, established in the late 1950's, consists of fifteen (15) mobile homes, approximately 16 to 30 people, set in a residential area. The January 2002, "Athens Grain Elevator Site Inspection Report," prepared by Bob Pierce of the Georgia Environmental Protection Division (GAEPD), identified the Oakwood Mobile Home Park site, specifically the septic tank system and the area around the former drinking water well, as a possible source of hazardous constituents found in the groundwater which may not be attributable to the Athens Grain Elevator site, which is 600 feet south of the mobile home park. The information used to evaluate this site is from the Site Inspection Report (i.e., analytical analyses, tables, figures and references). A mobile home park resident, the McKlheneys on 215 Camak Drive, suspected that the park's on-site drinking water well was contaminated, and on January 12, 1999, collected a water sample from their mobile home and brought it to the University of Georgia's Cooperative Extension Service Laboratory on College Station Road for analysis. The analysis indicated that the water was contaminated with chemicals. On January 19, 1999, an Egleston (Atlanta Children's Hospital) doctor formally requested that the GA EPD investigate the mobile home park well, which did not have a drinking water permit. The residents of the park believe the well was installed around 1971 (Ref. 4). There is no written information regarding the depth of this well, but assumed to be completed in the bedrock at approximately 180 feet deep. The septic tank system, approximately ¼ acre in size, is located close to the on-site drinking water well. Groundwater is derived from local rainfall. The most reliable groundwater supply comes from bedrock fractures with the overlying soil/saprolite serving as an intermediate storage mechanism. On February 15, 1999, GA EPD obtained a groundwater sample from the public supply well at the Oakwood Mobile Home Park. Analysis of the water by the GA EPD Laboratory in Atlanta showed elevated levels (above MCL) of 1,2-dichloroethane, benzene, carbon tetrachloride and chloroform. In response to this investigation, GA EPD requested Athens-Clarke County to furnish water to the Oakwood Mobile Home Park. On February 16, 1999, this connection was completed, and the residents had city water to drink. Follow-up testing from the distribution system showed the water to be uncontaminated. In May 1999, the Georgia Geologic Survey (GGS) constructed five (5) permanent 2" monitoring wells on the property of the mobile home park and along Old Jefferson Road just south of the Athens Grain Elevator silos. The well construction data shows that the total depth of the wells range from 21 to 44 feet. All of the wells were designed to intercept the shallow water table and as such are completed in the soil residuum (regolith) that occurs above the bedrock. The GGS conducted five (5) rounds of groundwater sampling from these wells between June 1999 and June 2000 (Ref. 5). Most of the detected contamination occurs in monitoring wells MW-2 and MW-5. Monitoring well 2 (MW-2) is located along Camak Drive to the west of the Athens Grain Elevator and the Oakwood Mobile Home Park; MW-5 is located south of both sites. The results showed carbon tetrachloride, 1,2-dichloroethane and chloroform were detected in both MW-5 and the Oakwood Mobile Home Park well.

GENERAL INFORMATION (continued)

Site Sketch: Provide a sketch of the site. Indicate all pertinent features of the site and nearby environments including sources of wastes, areas of visible and buried wastes, buildings, residences, access roads, parking areas, fences, fields, drainage patterns, water bodies, vegetation, wells, sensitive environments, and other features.



GENERAL INFORMATION (continued)

Source Descriptions: Describe all sources at the site. Identify source type and relate to waste disposal operations. Provide source dimensions and the best available waste quantity information. Describe the condition of sources and all containment structures. Cite references.

SOURCE TYPES

Landfill: A man-made (by excavation or construction) or natural hole in the ground into which wastes have come to be disposed by backfilling, or by contemporaneous soil deposition with waste disposal.

Surface Impoundment: A natural topographic depression, man-made excavation, or diked area, primarily formed from earthen materials (lined or unlined) and designed to hold an accumulation of liquid wastes, wastes containing free liquids, or sludges not backfilled or otherwise covered; depression may be wet with exposed liquid or dry if deposited liquid has evaporated, volatilized or leached; structures that may be described as lagoon, pond, aeration pit, settling pond, tailings pond, sludge pit; also a surface impoundment that has been covered with soil after the final deposition of waste materials (i.e., buried or backfilled).

Drum: A portable container designed to hold a standard 55-gallon volume of wastes.

Tank and Non-Drum Container: Any device, other than a drum, designed to contain an accumulation of waste that provides structural support and is constructed primarily of fabricated materials (such as wood, concrete, steel, or plastic); any portable or mobile device in which waste is stored or otherwise handled.

Contaminated Soil: An area or volume of soil onto which hazardous substances have been spilled, spread, disposed, or deposited.

Pile: Any non-containerized accumulation above the ground surface of solid, non-flowing wastes; includes open dumps. Some types of waste piles are:

- Chemical Waste Pile: A pile consisting primarily of discarded chemical products, by-products, radioactive wastes, or used or unused feedstocks.
- Scrap Metal or Junk Pile: A pile consisting primarily of scrap metal or discarded durable goods (such as appliances, automobiles, auto parts, batteries, etc.) composed of materials containing hazardous substances.
- Tailings Pile: A pile consisting primarily of any combination of overburden from a mining operation and tailings from a mineral mining, beneficiation, or processing operation.
- Trash Pile: A pile consisting primarily of paper, garbage, or discarded non-durable goods containing hazardous substances.

Land Treatment: Landfarming or other method of waste management in which liquid wastes or sludges are spread over land and tilled, or liquids are injected at shallow depths into soils.

Other: Sources not in categories listed above.

GENERAL INFORMATION (continued)

Source Description: Include description of containment per pathway for ground water (see HRS Table 3-2), surface water (see HRS Table 4-2), and air (see HRS Tables 6-3 and 6-9).

After review of the site data and conversation with EPA contact, the septic tanks at the site do not contain any hazardous constituents AND no hazardous waste constituents have been released to the environment from the septic tanks at the site. Therefore, there is no possible SOURCE at the Oakwood Mobile Home Park.

Hazardous Waste Quantity (HWQ) Calculation: SI Tables 1 and 2 (See HRS Tables 2-5, 2-6, and 5-2).

HWQ = 0

Attach additional pages, if necessary

HWQ = 0

SI TABLE 1: HAZARDOUS WASTE QUANTITY (HWQ) SCORES FOR SINGLE SOURCE SITES AND FORMULAS FOR MULTIPLE SOURCE SITES

		Single Source Sites (assigned HWQ scores)	
(Column 1) TIER	(Column 2) Source Type	(Column 3) HWQ = 10	(Column 4) HWQ = 100
A Hazardous Constituent Quantity	N/A	HWQ = 1 if Hazardous Constituent Quantity data are complete HWQ = 10 if Hazardous Constituent Quantity data are not complete	>100 to 10,000 lbs
B Hazardous Wastestream Quantity	N/A	≤ 500,000 lbs	>500,000 to 50 million lbs
C Volume	Landfill	≤ 6.75 million ft^3 ≤ 250,000 yd^3	>6.75 million to 675 million ft^3 >250,000 to 25 million yd^3
	Surface impoundment	≤6,750 ft^3 ≤250 yd^3	>6,750 to 675,000 ft^3 >250 to 25,000 yd^3
	Drums	≤1,000 drums	>1,000 to 100,000 drums
	Tanks and non-drum containers	≤50,000 gallons	>50,000 to 5 million gallons
	Contaminated soil	≤6.75 million ft^3 ≤250,000 yd^3	>6.75 million to 675 million ft^3 >250,000 to 25 million yd^3
	Pile	≤6,750 ft^3 ≤250 yd^3	>6,750 to 675,000 ft^3 >250 to 25,000 yd^3
	Other	≤6,750 ft^3 ≤250 yd^3	>6,750 to 675,000 ft^3 >250 to 25,000 yd^3
D Area	Landfill	≤340,000 ft^2 ≤7.8 acres	>340,000 to 34 million ft^2 >7.8 to 780 acres
	Surface impoundment	≤1,300 ft^2 ≤0.029 acres	>1,300 to 130,000 ft^2 >0.029 to 2.9 acres
	Contaminated soil	≤3.4 million ft^2 ≤78 acres	> 3.4 million to 340 million ft^2 > 78 to 7,800 acres
	Pile	≤1,300 ft^2 ≤0.029 acres	>1,300 to 130,000 ft^2 >0.029 to 2.9 acres
	Land treatment	≤27,000 ft^2 ≤0.62 acres	>27,000 to 2.7 million ft^2 >0.62 to 62 acres

TABLE 1 (CONTINUED)

Single Source Sites (assigned HWQ scores)		Multiple Source Sites		
(Column 5) HWQ = 10,000	(Column 6) HWQ = 1,000,000	(Column 7) Divisors for Assigning Source WQ Values	(Column 2) Source Type	(Column 1) TIER
>10,000 to 1 million lbs	> 1 million lbs	lbs ÷ 1	N/A	**A** Hazardous Constituent Quantity
>50 million to 5 billion lbs	> 5 billion lbs	lbs ÷ 5,000	N/A	**B** Hazardous Wastestream Quantity
>675 million to 67.5 billion ft^3 >25 million to 2.5 billion yd^3	> 67.5 billion ft^3 > 2.5 billion yd^3	ft^3 ÷ 67,500 yd^3 ÷ 2,500	Landfill	**C** Volume
>675,000 to 67.5 million ft^3 >25,000 to 2.5 million yd^3	> 67.5 million ft^3 > 2.5 million yd^3	ft^3 ÷ 67.5 yd^3 ÷ 2.5	Surface Impoundment	
>100,000 to 10 million drums	> 10 million drums	drums ÷ 10	Drums	
>5 million to 500 million gallons	> 500 million gallons	gallons ÷ 500	Tanks and non-drum containers	
>675 million to 67.5 billion ft^3 >25 million to 2.5 billion yd^3	> 67.5 billion ft^3 > 2.5 billion yd^3	ft^3 ÷ 67,500 yd^3 ÷ 2,500	Contaminated Soil	
>675,000 to 67.5 million ft^3 >25,000 to 2.5 million yd^3	> 67.5 million ft^3 > 2.5 million yd^3	ft^3 ÷ 67.5 yd^3 ÷ 2.5	Pile	
>675,000 to 67.5 million ft^3 >25,000 to 2.5 million yd^3	> 67.5 million ft^3 > 2.5 million yd^3	ft^3 ÷ 67.5 yd^3 ÷ 2.5	Other	
>34 million to 3.4 billion ft^2 >780 to 78,000 acres	> 3.4 billion ft^2 >78,000 acres	ft^2 ÷ 3,400 acres ÷ 0.078	Landfill	**D** Area
>130,000 to 13 million ft^2 >2.9 to 290 acres	> 13 million ft^2 > 290 acres	ft^2 ÷ 13 acres ÷ 0.00029	Surface Impoundment	
> 340 million to 34 billion ft^2 > 7,800 to 780,000 acres	> 34 billion ft^2 > 780,000 acres	ft^2 ÷ 34,000 acres ÷ 0.78	Contaminated Soil	
> 130,000 to 13 million ft^2 > 2.9 to 290 acres	> 13 million ft^2 > 290 acres	ft^2 ÷ 13 acres ÷ 0.00029	Pile	
>2.7 million to 270 million ft^2 >62 to 6,200 acres	> 270 million ft^2 > 6,200 acres	ft^2 ÷ 270 acres ÷ 0.0062	Land Treatment	

HAZARDOUS WASTE QUANTITY (HWQ) CALCULATION

For each migration pathway, evaluate HWQ associated with sources that are available (i.e., incompletely contained) to migrate to that pathway. (Note: If *Actual Contamination Targets* exist for ground water, surface water, or air migration pathways, assign the calculated HWQ score or 100, whichever is greater, as the HWQ score for that pathway.) For each source, evaluate HWQ for one or more of the four tiers (SI Table 1; HRS Table 2-5) for which data exist: constituent quantity, wastestream quantity, source volume, and source area. Select the tier that gives the highest value as the source HWQ. Select the source volume HWQ rather than source area HWQ if data for both tiers are available.

Column 1 of SI Table 1 indicates the quantity tier. Column 2 lists source types for the four tiers. Columns 3, 4, 5, and 6 provide ranges of waste amount for sites with only one source, corresponding to HWQ scores at the tops of the columns. Column 7 provides formulas to obtain source waste quantity values at sites with multiple sources.

1. Identify each source type.
2. Examine all waste quantity data available for each source. Record constituent quantity and waste stream mass or volume. Record dimensions of each source.
3. Convert source measurements to appropriate units for each tier to be evaluated.
4. For each source, use the formulas in the last column of SI Table 1 to determine the waste quantity value for each tier that can be evaluated. Use the waste quantity value obtained from the highest tier as the quantity value for the source.
5. Sum the values assigned to each source to determine the total site waste quantity.
6. Assign HWQ score from SI Table 2 (HRS Table 2-6).

Note these exceptions to evaluate soil exposure pathway HWQ (see HRS Table 5-2):

- The divisor for the area (square feet) of a landfill is 34,000.
- The divisor for the area (square feet) of a pile is 34.
- Wet surface impoundments and tanks and non-drum containers are the only sources for which volume measurements are evaluated for the soil exposure pathway.

→ NO source of hw present at the site.

SI TABLE 2: HWQ SCORES FOR SITES

Site WQ Total	HWQ Score
0	0
1[a] to 100	1[b]
> 100 to 10,000	100
> 10,000 to 1 million	10,000
> 1 million	1,000,000

[a] If the WQ total is between 0 and 1, round it to 1.
[b] If the hazardous constituent quantity data are not complete, assign the score of 10.

* there are no sources of hazardous waste present at this site.

SI TABLE 3: WASTE CHARACTERIZATION WORKSHEET

Site Name: Oakwood Mobile Home Park

References _____

Sources:

1. _____ 4. _____ 7. _____
2. _____ 5. _____ 8. _____
3. _____ 6. _____ 9. _____

SOURCE	HAZARDOUS SUBSTANCE	TOXICITY	GROUND WATER PATHWAY		SURFACE WATER PATHWAY										
					OVERLAND/FLOOD MIGRATION							GROUND WATER TO SURFACE WATER			
			GW Mobility (HRS Table 3-8)	Tox/ Mobility Value (HRS Table 3-9)	Per (HRS Tables 4-10 and 4-11)	Tox/Per Value (HRS Table 4-12)	Bioac Pot. (HRS Table 4-15)	Tox/ Pers/ Bioac Value (HRS Table 4-16)	Ecotox (HRS Table 4-19)	Ecotox/ Pers (HRS Table 4-20)	Ecotox/ Pers/ Bioacc Value (HRS Table 4-21)	Tox/ Mob/ Pers Value (HRS Table 4-26)	Tox/ Mob/ Pers/ Bioacc Value (HRS Table 4-28)	Ecotox/ Mob/ Pers Value (HRS Table 4-29)	Ecotox/ Mob/ Per/ Bioacc Value (HRS Table 4-30)
1	[illegible]														
	[illegible]														
	[illegible]														
	[illegible]														

Ground Water Observed Release Substances Summary Table

On SI Table 4, list the hazardous substances associated with the site detected in ground water samples for that aquifer. Include only those substances directly observed or with concentrations significantly greater than background levels. Obtain toxicity values from the Superfund Chemical Data Matrix (SCDM). Assign mobility a value of 1 for all observed release substances regardless of the aquifer being evaluated. For each substance, multiply the toxicity by the mobility to obtain the toxicity/mobility factor value; enter the highest toxicity/mobility value for the aquifer in the space provided.

Ground Water Actual Contamination Targets Summary Table

If there is an observed release at a drinking water well, enter each hazardous substance meeting the requirements for an observed release by well and sample ID on SI Table 5 and record the detected concentration. Obtain benchmark, cancer risk, and reference dose concentrations from SCDM. For MCL and MCLG benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages for the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage or the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate the population using the well as a Level I target. If these percentages are less than 100% or all are N/A, evaluate the population using the well as a Level II target for that aquifer.

* An observed release can not be established. Therefore, there are no actual contamination targets.

SI TABLE 4: GROUND WATER OBSERVED RELEASE SUBSTANCES (BY AQUIFER)

Sample ID	Hazardous Substance	Bckgrd. Conc.	Toxicity/ Mobility	References
		Highest Toxicity/Mobility		

SI TABLE 5: GROUND WATER ACTUAL CONTAMINATION TARGETS

Well ID: [illegible] Level I _____ Level II _____ Population Served 30 References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

Well ID: _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

GROUND WATER PATHWAY
GROUND WATER USE DESCRIPTION

Describe Ground Water Use within 4 Miles of the Site:
Describe generalized stratigraphy, aquifers, municipal and private wells

Since an observed release cannot be established and there is no source of hazardous constituents at the Oakwood Mobile Home Park, there are no targets for this pathway (or ANY pathway).

Show Calculations of Ground Water Drinking Water Populations for each Aquifer:
Provide apportionment calculations for blended supply systems.
County average number of persons per household: _____ Reference _____

N/A

GROUND WATER PATHWAY WORKSHEET

LIKELIHOOD OF RELEASE	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to the aquifer, assign a score of 550. Record observed release substances on SI Table 4.	N/A		
2. POTENTIAL TO RELEASE: Depth to aquifer: _____feet. If sampling data do not support a release to the aquifer, and the site is in karst terrain or the depth to aquifer is 70 feet or less, assign a score of 500; otherwise, assign a score of 340. Optionally, evaluate potential to release according to HRS Section 3.	N/A		
LR =	N/A		

TARGETS			
Are any wells part of a blended system? Yes____ No_____ If yes, attach a page to show apportionment calculations.			
3. ACTUAL CONTAMINATION TARGETS: If analytical evidence indicates that any target drinking water well for the aquifer has been exposed to a hazardous substance from the site, evaluate the factor score for the number of people served (SI Table 5). Level I: _____ people x 10 = _____ Level II: _____ people x 1 = _____ **Total =**	N/A		
4. POTENTIAL CONTAMINATION TARGETS: Determine the number of people served by drinking water wells for the aquifer or overlying aquifers that are not exposed to a hazardous substance from the site; record the population for each distance category in SI Table 6a or 6b. Sum the population values and multiply by 0.1.	N/A		
5. NEAREST WELL: Assign a score of 50 for any Level I Actual Contamination Targets for the aquifer or overlying aquifer. Assign a score of 45 if there are Level II targets but no Level I targets. If no Actual Contamination Targets exist, assign the Nearest Well score from SI Table 6a or 6b. If no drinking water wells exist within 4 miles, assign 0.	N/A		
6. WELLHEAD PROTECTION AREA (WHPA): If any source lies within or above a WHPA for the aquifer, or if a ground water observed release has occurred within a WHPA, assign a score of 20; assign 5 if neither condition applies but a WHPA is within 4 miles; otherwise assign 0.	N/A		
7. RESOURCES: Assign a score of 5 if one or more ground water resource applies; assign 0 if none applies. • Irrigation (5 acre minimum) of commercial food crops or commercial forage crops • Watering of commercial livestock • Ingredient in commercial food preparation • Supply for commercial aquaculture • Supply for a major or designated water recreation area, excluding drinking water use	N/A		
Sum of Targets T=	N/A		

SI TABLE 6 (From HRS TABLE 3-12): VALUES FOR POTENTIAL CONTAMINATION GROUND WATER TARGET POPULATIONS

SI Table 6a: Other Than Karst Aquifers

Distance from Site	Pop.	Nearest Well (choose highest)	Population Served by Wells within Distance Category												Pop. Value	Ref.
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1000	1001 to 3000	3001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,000 to 3,000,000		
0 to $\frac{1}{4}$ mile		20	4	17	53	164	522	1,633	5,214	16,325	52,137	163,246	521,360	1,632,455		
> $\frac{1}{4}$ to $\frac{1}{2}$ mile		18	2	11	33	102	324	1,013	3,233	10,122	32,325	101,213	323,243	1,012,122		
> $\frac{1}{2}$ to 1 mile		9	1	5	17	52	167	523	1,669	5,224	16,684	52,239	166,835	522,385		
> 1 to 2 miles		5	0.7	3	10	30	94	294	939	2,939	9,385	29,384	93,845	293,842		
> 2 to 3 miles		3	0.5	2	7	21	68	212	678	2,122	6,778	21,222	67,777	212,219		
>3 to 4 miles		2	0.3	1	4	13	42	131	417	1,306	4,171	13,060	41,709	130,596		

Nearest Well = [ ]

Sum = [ ]

SI TABLE 6 (From HRS TABLE 3-12): VALUES FOR POTENTIAL CONTAMINATION GROUND WATER TARGET POPULATIONS (continued)

SI Table 6b: Karst Aquifers

Distance from Site	Pop.	Nearest Well (choose highest)	Population Served by Wells within Distance Category												Pop. Value	Ref.
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1000	1001 to 3000	3001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,000 to 3,000,000		
0 to $\frac{1}{4}$ mile		20	4	17	53	164	522	1,633	5,214	16,325	52,137	163,246	521,360	1,632,455		
$>\frac{1}{4}$ to $\frac{1}{2}$ mile		20	2	11	33	102	324	1,013	3,233	10,122	32,325	101,213	323,243	1,012,122		
$>\frac{1}{2}$ to 1 mile		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
> 1 to 2 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
> 2 to 3 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
>3 to 4 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		

Nearest Well = [ ]

Sum = [ ]

GROUND WATER PATHWAY WORKSHEET (concluded)

WASTE CHARACTERISTICS	Score	Data Type	Does not Apply
8. If any Actual Contamination Targets exist for the aquifer or overlying aquifers, assign the calculated hazardous waste quantity score or a score of 100, whichever is greater; if no Actual Contamination Targets exist, assign the hazardous waste quantity score calculated for sources available to migrate to ground water.	0		
9. Assign the highest ground water toxicity/mobility value from SI Table 3 or 4.	N/A		
10. Multiply the ground water toxicity/mobility and hazardous waste quantity scores. Assign the Waste Characteristics score from the table below: (from HRS Table 2-7)	0		

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 or greater	100

WC = 0

Multiply LR by T and by WC. Divide the product by 82,500 to obtain the ground water pathway score for each aquifer. Select the highest aquifer score. If the pathway score is greater than 100, assign 100.

GROUND WATER PATHWAY SCORE: $\frac{LR \times T \times WC}{82,500}$ = 0 (Maximum of 100)

SURFACE WATER PATHWAY

Sketch of the Surface Water Migration Route:
Label all surface water bodies. Include runoff route and drainage direction, probable point of entry, and 15-mile target distance limit. Mark sample locations, intakes, fisheries, and sensitive environments. Indicate flow directions, tidal influence, and rate.

N/A

there is no source of h.w. present at this site.

SURFACE WATER PATHWAY

Surface Water Observed Release Substances Summary Table

On SI Table 7, list the hazardous substances detected in surface water samples for the watershed, which can be attributed to the site. Include only those substances in observed releases (direct observation) or with concentration levels significantly above background levels. Obtain toxicity, persistence, bioaccumulation potential, and ecotoxicity values from SCDM. Enter the highest toxicity/persistence, toxicity/persistence/bioaccumulation, and ecotoxicity/persistence/ecobioaccumulation values in the spaces provided.

- TP = Toxicity x Persistence
- TPB = TP x bioaccumulation
- ETPB = EP x bioaccumulation (EP = ecotoxicity x persistence)

Drinking Water Actual Contamination Targets Summary Table

For an observed release at or beyond a drinking water intake, on SI Table 8 enter each hazardous substance by sample ID and the detected concentration. For surface water sediment samples detecting a hazardous substance at or beyond an intake, evaluate the intake as Level II contamination. Obtain benchmark, cancer risk, and reference dose concentrations for each substance from SCDM. For MCL and MCLG benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages of the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage or the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate the population served by the intake as a Level I target. If the percentages are less than 100% or all are N/A, evaluate the population served by the intake as a Level II target.

SI TABLE 7: SURFACE WATER OBSERVED RELEASE SUBSTANCES

Sample ID	Hazardous Substance	Bckgrd. Conc.	Toxicity/ Persistence	Toxicity/ Persis./ Bioaccum	Ecotoxicity/ Persis/ Ecobioaccum	References
		Highest Values				

SI TABLE 8: SURFACE WATER DRINKING WATER ACTUAL CONTAMINATION TARGETS

Intake ID: _____ Sample Type _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

Intake ID: _____ Sample Type _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

SURFACE WATER PATHWAY
LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT WORKSHEET

LIKELIHOOD OF RELEASE– OVERLAND/FLOOD MIGRATION	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to surface water in the watershed, assign a score of 550. Record observed release substances on SI Table 7.			
2. POTENTIAL TO RELEASE: Distance to surface water: ____(feet) If sampling data do not support a release to surface water in the watershed, use the table below to assign a score from the table below based on distance to surface water and flood frequency.			

Distance to surface water <2500 feet	500
Distance to surface water >2500 feet, and:	
Site in annual or 10-yr floodplain	500
Site in 100-yr floodplain	400
Site in 500-yr floodplain	300
Site outside 500-yr floodplain	100

Optionally, evaluate surface water potential to release according to HRS Section 4.1.2.1.2

LR = N/A

LIKELIHOOD OF RELEASE GROUND WATER TO SURFACE WATER MIGRATION	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to surface water in the watershed, assign a score of 550. Record observed release substances on SI Table 7.			
NOTE: Evaluate ground water to surface water migration only for a surface water body that meets all of the following conditions:			
1) A portion of the surface water is within 1 mile of site sources having a containment factor greater than 0.			
2) No aquifer discontinuity is established between the source and the above portion of the surface water body.			
3) The top of the uppermost aquifer is at or above the bottom of the surface water.			
Elevation of top of uppermost aquifer _____			
Elevation of bottom of surface water body _____			
2. POTENTIAL TO RELEASE: Use the ground water potential to release. Optionally, evaluate surface water potential to release according to HRS Section 3.1.2.			

LR = N/A

SURFACE WATER PATHWAY
LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT WORKSHEET (CONTINUED)

DRINKING WATER THREAT TARGETS	Score	Data Type	Refs
Record the water body type, flow, and number of people served by each drinking water intake within the target distance limit in the watershed. If there is no drinking water intake within the target distance limit, assign 0 to factors 3, 4, and 5. Intake Name ____ Water Body Type ____ Flow ____ People Served ____ ____ ____ ____ ____ ____ ____ ____ ____ ____ ____ ____ ____ Are any intakes part of a blended system? Yes _____ No _____ If yes, attach a page to show apportionment calculations. 3. ACTUAL CONTAMINATION TARGETS: If analytical evidence indicates a drinking water intake has been exposed to a hazardous substance from the site, list the intake name and evaluate the factor score for the drinking water population (SI Table 8). _____ , _____ Level I: _____ people x 10 = _____ Level II: _____ people x 1 = _____ **Total =**	N/A		
4. POTENTIAL CONTAMINATION TARGETS: Determine the number of people served by drinking water intakes for the watershed that have not been exposed to a hazardous substance from the site. Assign the population values from SI Table 9. Sum the values and multiply by 0.1.	N/A		
5. NEAREST INTAKE: Assign a score of 50 for any Level I Actual Contamination Drinking Water Targets for the watershed. Assign a score of 45 if there are Level II targets for the watershed, but no Level I targets. If no Actual Contamination Drinking Water Targets exist, assign a score for the intake nearest the PPE from SI Table 9. If no drinking water intakes exist, assign 0.	N/A		
6. RESOURCES: Assign a score of 5 if one or more surface water resource applies; assign 0 if none applies. • Irrigation (5 acre minimum) of commercial food crops or commercial forage crops • Watering of commercial livestock • Ingredient in commercial food preparation • Major or designated water recreation area, excluding drinking water use	N/A		
SUM OF TARGETS T=	N/A		

SI TABLE 9 (From HRS Table 4-14): DILUTION-WEIGHTED POPULATION VALUES FOR POTENTIAL CONTAMINATION FOR SURFACE WATER MIGRATION PATHWAY

Type of Surface Water Body	Pop.	Nearest Intake	Number of people									Pop. Value
			0	1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	
Minimal Stream (<10 cfs)		20	0	4	17	53	164	522	1,633	5,214	16,325	
Small to moderate stream (10 to 100 cfs)		2	0	0.4	2	5	16	52	163	521	1,633	
Moderate to large stream (> 100 to 1,000 cfs)		0	0	0.04	0.2	0.5	2	5	16	52	163	
Large Stream to river (>1,000 to 10,000 cfs)		0	0	0.004	0.02	0.05	0.2	0.5	2	5	16	
Large River (> 10,000 to 100,000 cfs)		0	0	0	0.002	0.005	0.02	0.05	0.2	0.5	16	
Very Large River (>100,000 cfs)		0	0	0	0	0.001	0.002	0.005	0.02	0.05	0.2	
Shallow ocean zone or Great Lake (depth < 20 feet)		0	0	0	0.002	0.005	0.02	0.05	0.2	0.5	2	
Moderate ocean zone or Great Lake (Depth 20 to 200 feet)		0	0	0	0	0.001	0.002	0.005	0.02	0.05	0.2	
Deep ocean zone or Great Lake (depth > 200 feet)		0	0	0	0	0	0.001	0.003	0.008	0.03	0.08	
3-mile mixing zone in quiet flowing river (≥ 10 cfs)		10	0	2	9	26	82	261	817	2,607	8,163	

Nearest Intake = [ ] Sum = [ ]

References _____

Replace w/ HRS table 4-14

SURFACE WATER PATHWAY

Human Food Chain Actual Contamination Targets Summary Table

On SI Table 10, list the hazardous substances detected in sediment, aqueous, sessile benthic organism tissue, or fish tissue samples (taken from fish caught within the boundaries of the observed release) by sample ID and concentration. Evaluate fisheries within the boundaries of observed releases detected by sediment or aqueous samples as Level II, if at least one observed release substance has a bioaccumulation potential factor value of 500 or greater (see SI Table 7). Obtain benchmark, cancer risk, and reference dose concentrations from SCDM. For FDA/AL benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages for the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate this portion of the fishery as subject to Level I concentrations. If the percentages are less than 100% or all are N/A, evaluate the fishery as a Level II target.

Sensitive Environment Actual Contamination Targets Summary Table

On SI Table 11, list each hazardous substance detected in aqueous or sediment samples at or beyond wetlands or a surface water sensitive environment by sample ID. Record the concentration. If contaminated sediments or tissues are detected at or beyond a sensitive environment, evaluate the sensitive environment as Level II. Obtain benchmark concentrations from SCDM. For AWQC/AALAC benchmarks, determine the highest percentage of benchmark of the substances detected in aqueous samples. If benchmark concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage equals or exceeds 100%, evaluate that part of the sensitive environment subject to Level I concentrations. If the percentage is less than 100%, or all are N/A, evaluate the sensitive environment as Level III.

SI TABLE 10: HUMAN FOOD CHAIN ACTUAL CONTAMINATION TARGETS FOR WATERSHED

Fishery ID: _____ *Sample Type* _____ *Level I* _____ *Level II* _____ *References* _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Benchmark Concentration (FDAAL)	% of Benchmark	Cancer Risk Concentration.	% of Cancer Risk Concentration	RfD	% of RfD
			Highest Percent		Sum of Percents		Sum of Percents	

SI TABLE 11: SENSITIVE ENVIRONMENT ACTUAL CONTAMINATION TARGETS FOR WATERSHED

Environment ID: _____ Sample Type _____ Level I _____ Level II _____ Environment Value _____

Sample ID	Hazardous Substance	Conc.. (µg/L)	Benchmark Concentration (AWQC or AALAC)	% of Benchmark	References
			Highest Percent		

Environment ID: _____ Sample Type _____ Level I _____ Level II _____ Environment Value _____

Sample ID	Hazardous Substance	Conc.. (µg/L)	Benchmark Concentration (AWQC or AALAC)	% of Benchmark	References
			Highest Percent		

SURFACE WATER PATHWAY (continued)
HUMAN FOOD CHAIN THREAT WORKSHEET

HUMAN FOOD CHAIN THREAT TARGETS	Score	Data Type	Refs
Record the water body type and flow for each fishery within the target distance limit. If there is no fishery within the target distance limit, assign a score of 0 at the bottom of this page.			

Fishery Name_____ Water Body_____ Flow_____cfs

Species_____ Production_____lbs/yr
Species_____ Production_____lbs/yr

Fishery Name_____ Water Body_____ Flow_____cfs

Species_____ Production_____lbs/yr
Species_____ Production_____lbs/yr

Fishery Name_____ Water Body_____ Flow_____cfs

Species_____ Production_____lbs/yr
Species_____ Production_____lbs/yr

FOOD CHAIN INDIVIDUAL

7. ACTUAL CONTAMINATION FISHERIES:

If analytical evidence indicates that a fishery has been exposed to a hazardous substance with a bioaccumulation factor greater than or equal to 500 (SI Table 10), assign a score of 50 if there is a Level I fishery. Assign 45 if there is a Level II fishery, but no Level I fishery.

8. POTENTIAL CONTAMINATION FISHERIES:

If there is a release of a substance with a bioaccumulation factor greater than or equal to 500 to a watershed containing fisheries within the target distance limit, but there are no Level I or Level II fisheries, assign a score of 20.

If there is no observed release to the watershed, assign a value for potential contamination fisheries from the table below using the lowest flow at all fisheries within the target distance limit:

Lowest Flow	FCI Value
<10 cfs	20
10 to 100 cfs	2
>100 cfs, coastal tidal waters, oceans, or Great Lakes	0
3-mile mixing zone in quiet flowing river	10

FCI Value =

SUM OF TARGETS T = N/A

SURFACE WATER PATHWAY (continued)
ENVIRONMENTAL THREAT WORKSHEET

When measuring length of wetlands that are located on both sides of a surface water body, sum both frontage lengths. For a sensitive environment that is more than one type, assign a value for each type.

ENVIRONMENTAL THREAT TARGETS	Score	Data Type	Refs
Flow of the water body type and flow for each surface water sensitive environment within the target distance (see SI Table 12). If there is no sensitive environment within the target distance limit, assign a score of 0 at the bottom of the page.			

Environment Name	Water Body Type	Flow
		cfs
		cfs
		cfs
		cfs
		cfs

9. ACTUAL CONTAMINATION SENSITIVE ENVIRONMENTS: If sampling data or direct observation indicate any sensitive environment has been exposed to a hazardous substance from the site, record this information on SI Table 11, and assign a factor value for the environment (SI Tables 13 and 14).

Environment Name	Environment Type and Value (SI Tables 13 & 14)	Multiplier (10 for Level I, 1 for Level II)	Product
		x =	
		x =	
		x =	
		x =	
		Sum =	

10. POTENTIAL CONTAMINATION SENSITIVE ENVIRONMENTS:

Flow	Dilution Weight (SI Table 12)	Environment Type and Value (SI Tables 13 & 14)	Pot. Cont.	Product
cfs	x	x	0.1 =	
cfs	x	x	0.1 =	
cfs	x	x	0.1 =	
cfs	x	x	0.1 =	
cfs	x	x	0.1 =	
			Sum =	

T = N/A

SI TABLE 12 (HRS Table 4-13): SURFACE WATER DILUTION WEIGHTS

Type of Surface Water Body		Assigned Dilution Weight
Descriptor	**Flow Characteristics**	
Minimal stream	< 10 cfs	1
Small to moderate stream	10 to 100 cfs	0.1
Moderate to large stream	> 100 to 1,000 cfs	0.01
Large stream to river	> 1,000 to 10,000 cfs	0.001
Large river	> 10,000 to 100,000 cfs	0.0001
Very large river	> 100,000 cfs	0.00001
Coastal tidal waters	Flow not applicable; depth not applicable	~~0.001~~ 0.0001
Shallow ocean zone or Great Lake	Flow not applicable; depth less than 20 feet	~~0.001~~ 0.0001
Moderate depth ocean zone or Great Lake	Flow not applicable; depth 20 to 200 feet	~~0.0001~~ 0.00001
Deep ocean zone or Great Lake	Flow not applicable; depth greater than 200 feet	0.000005
3-mile mixing zone in quiet flowing river	10 cfs or greater	0.5

SI TABLE 13 (HRS TABLE 4-23): SURFACE WATER AND AIR SENSITIVE ENVIRONMENTS VALUES

SENSITIVE ENVIRONMENT	*ASSIGNED VALUE*
Critical habitat for Federal designated endangered or threatened species Marine Sanctuary National Park Designated Federal Wilderness Area Ecologically important areas identified under the Coastal Zone Wilderness Act Sensitive Areas identified under the National Estuary Program or Near Coastal Water Program of the Clean Water Act Critical Areas identified under the Clean Lakes Program of the Clean Water Act (subareas in lakes or entire small lakes) National Monument (air pathway only) National Seashore Recreation Area National Lakeshore Recreation Area	100
Habitat known to be used by Federal designated or proposed endangered or threatened species National Preserve National or State Wildlife Refuge Unit of Coastal Barrier Resources System Coastal Barrier (undeveloped) Federal land designated for the protection of natural ecosystems Administratively Proposed Federal Wilderness Area Spawning areas critical for the maintenance of fish/shellfish species within a river system, bay, or estuary Migratory pathways and feeding areas critical for the maintenance of anadromous fish species within river reaches or areas in lakes or coastal tidal waters in which the fish spend extended periods of time Terrestrial areas utilized by large or dense aggregations of vertebrate animals (semi-aquatic foragers) for breeding National river reach designated as recreational	75
Habitat known to be used by State designated endangered or threatened species Habitat known to be used by a species under review as to its Federal endangered or threatened status Coastal Barrier (partially developed) Federally designated Scenic or Wild River	50
State land designated for wildlife or game management State designated Scenic or Wild River State designated Natural Area Particular areas, relatively small in size, important to maintenance of unique biotic communities	25
State designated areas for the protection of maintenance of aquatic life under the Clean Water Act	5
Wetlands See SI Table 14 (Surface Water Pathway) or SI Table 23 (Air Pathway)	

SI TABLE 14 (HRS TABLE 4-24): SURFACE WATER WETLANDS FRONTAGE VALUES

Total Length of Wetlands	Assigned Value
Less than 0.1 mile	0
0.1 to 1 mile	25
Greater than 1 to 2 miles	50
Greater than 2 to 3 miles	75
Greater than 3 to 4 miles	100
Greater than 4 to 8 miles	150
Greater than 8 to 12 miles	250
Greater than 12 to 16 miles	350
Greater than 16 to 20 miles	450
Greater than 20 miles	500

SURFACE WATER PATHWAY (concluded)
WASTE CHARACTERISTICS, THREAT, AND PATHWAY SCORE SUMMARY

WASTE CHARACTERISTICS — Score

~~14~~ 11. If an Actual Contamination Target (drinking water, human food chain, or environmental threat) exists for the watershed, assign the calculated hazardous waste quantity score, or a score of 100, whichever is greater.	N/A
~~15~~ 12. Assign the highest value from SI Table 7 (observed release) or SI Table 3 (no observed release) for the hazardous substance waste characterization factors below. Multiply each by the surface water hazardous waste quantity score and determine the waste characteristics score for each threat.	

	Substance Value	HWQ	Product	WC Score (from Table) (Maximum of 100)	
Drinking Water Threat Toxicity/Persistence	x	0 =	0	0	max 100
Food Chain Threat Toxicity/Persistence Bioaccumulation	x	0 =	0	0	1000
Environmental Threat Ecotoxicity/Persistence/ Ecobioaccumulation	x	0 =	0	0	1000

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 to <1E + 09	100
1E + 09 to <1E + 10	180
1E + 10 to <1E + 11	320
1E + 11 to <1E + 12	560
1E + 12 or greater	1000

SURFACE WATER PATHWAY THREAT SCORES

Threat	Likelihood of Release (LR) Score	Targets (T) Score	Pathway Waste Characteristics (WC) Score (determined above)	Threat Score $\frac{LR \times T \times WC}{82,500}$
Drinking Water	N/A	N/A	max(100) 0	(maximum of 100) 0
Human Food Chain	N/A	N/A	max 1000 0	(maximum of 100) 0
Environmental	N/A	N/A	max 1000 0	(maximum of 60) 0

SURFACE WATER PATHWAY SCORE (Drinking Water Threat + Human Food Chain Threat + Environmental Threat) — (maximum of 100): 0

SOIL EXPOSURE PATHWAY

If there is no observed contamination (e.g., ground water plume with no known surface source), do not evaluate the soil exposure pathway. Discuss evidence for no soil exposure pathway.

Soil Exposure Resident Population Targets Summary

For each property (duplicate page 35 as necessary):

If there is an area of observed contamination on the property and within 200 feet of a residence, school, or day care center, enter on Table 15 each hazardous substance by sample ID. Record the detected concentration. Obtain cancer risk, and reference dose concentrations from SCDM. Sum the cancer risk and reference dose percentages for the substances listed. If cancer risk or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate the residents and students as Level I. If both percentages are less than 100% or all are N/A, evaluate the targets as Level II.

SI TABLE 15: SOIL EXPOSURE RESIDENT POPULATION TARGETS

Residence ID: _____ Level I _____ Level II _____ Population _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Cancer Risk Concentration	% of Cancer Risk Conc.	RfD	% of RfD	Toxicity Value	References
			Highest Percent		Sum of Percents		Sum of Percents	

Residence ID: _____ Level I _____ Level II _____ Population _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Cancer Risk Concentration	% of Cancer Risk Conc.	RfD	% of RfD	Toxicity Value	References
			Highest Percent		Sum of Percents		Sum of Percents	

Residence ID: _____ Level I _____ Level II _____ Population _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Cancer Risk Concentration	% of Cancer Risk Conc.	RfD	% of RfD	Toxicity Value	References
			Highest Percent		Sum of Percents		Sum of Percents	

SOIL EXPOSURE PATHWAY WORKSHEET
RESIDENT POPULATION THREAT

LIKELIHOOD OF EXPOSURE	Score	Data Type	Refs
1. OBSERVED CONTAMINATION: If evidence indicates presence of observed contamination (depth of 2 feet or less), assign a score of 550; otherwise, assign a 0. Note that a likelihood of exposure score of 0 results in a soil exposure pathway score of 0. *	0		
LE =	0		

TARGETS			
2. RESIDENT POPULATION: Determine the number of people occupying residences or attending school or day care on the property or within 200 feet of areas of observed contamination (HRS section 5.1.3). Level I: _____ people x 10 = _____ Level II: _____ people x 1 = _____ Sum =	NA		
3. RESIDENT INDIVIDUAL: Assign a score of 50 if any Level I resident population exists. Assign a score of 45 if there are Level II targets but no Level I targets. If no resident population exists (*i.e.*, no Level I or Level II targets), assign 0 (HRS Section 5.1.3).	N/A		
4. WORKERS: Assign a score from the table below for the total number of workers at the site and nearby facilities ~~with~~ and within 200' of areas of observed contamination associated with the site.	N/A		
5. TERRESTRIAL SENSITIVE ENVIRONMENTS: Assign a value for each terrestrial sensitive environment (SI Table 16) in an area of observed contamination. Sum =	N/A		
6. RESOURCES: Assign a score of 5 if any one or more of the following resources is present on an area of observed contamination at the site; assign 0 if none applies. • Commercial agriculture • Commercial silviculture • Commercial livestock production or commercial livestock grazing	N/A		
Total of Targets T=	N/A		

Number of Workers	Score
0	0
1 to 100	5
101 to 1,000	10
>1,000	15

Terrestrial Sensitive Environment Type	Value

SI TABLE 16 (HRS TABLE 5-5): SOIL EXPOSURE PATHWAY TERRESTRIAL SENSITIVE ENVIRONMENT VALUES

TERRESTRIAL SENSITIVE ENVIRONMENT	*ASSIGNED VALUE*
Terrestrial critical habitat for Federal designated endangered or threatened species National Park Designated Federal Wilderness Area National Monument	100
Terrestrial habitat known to be used by Federal designated or proposed threatened or endangered species National Preserve (terrestrial) National or State terrestrial Wildlife Refuge Federal land designated for protection of natural ecosystems Administratively proposed Federal Wilderness Area Terrestrial areas utilized by large or dense aggregations of animals (vertebrate species) for breeding	75
Terrestrial habitat used by State designated endangered or threatened species Terrestrial habitat used by species under review for Federal designated endangered or threatened status	50
State lands designated for wildlife or game management State designated Natural Areas Particular areas, relatively small in size, important to maintenance of unique biotic communities	25

SOIL EXPOSURE PATHWAY WORKSHEET
NEARBY POPULATION THREAT

LIKELIHOOD OF EXPOSURE	Score	Data Type	Ref.
7. Attractiveness/Accessibility (from SI Table 17 or HRS Table 5-6) Value _____ Area of Contamination (from SI Table 18 or HRS Table 5-7) Value _____ Likelihood of Exposure (from SI Table 19 or HRS Table 5-8)			
LE =	N/A		

TARGETS	Score	Data Type	Ref.
8. Assign a score of 9 if Level I or Level II resident individual has been evaluated or if no individuals live within 1/4 mile travel distance of an area of observed contamination. Assign a score of 1 if nearby population is within 1/4 mile travel distance and no Level I or Level II resident population has been evaluated.			
9. Determine the population within 1 mile travel distance that is not exposed to a hazardous substance from the site (*i.e.*, properties that are not determined to be Level I or Level II); record the population for each distance category in SI Table 20 (HRS Table 5-10). Sum the population values and multiply by 0.1.			
T =	N/A		

SI TABLE 17 (HRS TABLE 5-6): ATTRACTIVENESS/ACCESSIBILITY VALUES

Area of Observed Contamination	Assigned Value
Designated recreational area	100
Regularly used for public recreation (for example, vacant lots in urban area)	75
Accessible and unique recreational area (for example, vacant lots in urban area)	75
Moderately accessible (may have some access improvements–for example, gravel road) with some public recreation use	50
Slightly accessible (for example, extremely rural area with no road improvement) with some public recreation use	25
Accessible with no public recreation use	10
Surrounded by maintained fence or combination of maintained fence and natural barriers	5
Physically inaccessible to public, with no evidence of public recreation use	0

SI TABLE 18 (HRS TABLE 5-7): AREA OF CONTAMINATION FACTOR VALUES

Total area of the areas of observed contamination (square feet)	Assigned Value
≤ to 5,000	5
> 5,000 to 125,000	20
> 125,000 to 250,000	40
> 250,000 to 375,000	60
> 375,000 to 500,000	80
> 500,000	100

SI TABLE 19 (HRS TABLE 5-8): NEARBY POPULATION LIKELIHOOD OF EXPOSURE FACTOR VALUES

AREA OF CONTAMINATION FACTOR VALUE	ATTRACTIVENESS/ACCESSIBILITY FACTOR VALUE						
	100	75	50	25	10	5	0
100	500	500	375	250	125	50	0
80	500	375	250	125	50	25	0
60	375	250	125	50	25	5	0
40	250	125	50	25	5	5	0
20	125	50	25	5	5	5	0
5	50	25	5	5	5	5	0

SI TABLE 20 (HRS TABLE 5-10): DISTANCE-WEIGHTED POPULATION VALUES FOR NEARBY POPULATION THREAT

Travel Distance Category (miles)	Pop.	Number of people within the travel distance category												Pop. Value
		0	1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,001	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	
Greater than 0 to $\frac{1}{4}$	30	0	0.1	0.4	1.0	4	13	41	130	408	1,303	4,081	13,034	1
Greater than $\frac{1}{4}$ to $\frac{1}{2}$	117	0	0.05	0.2	0.7	2	7	20	65	204	652	2,041	6,517	2
Greater than $\frac{1}{2}$ to 1	391	0	0.02	0.1	0.3	1	3	10	33	102	326	1,020	3,258	3

Reference(s) _____ Sum = 6

SOIL EXPOSURE PATHWAY WORKSHEET (concluded)

WASTE CHARACTERISTICS

10.	Assign the hazardous waste quantity score calculated for soil exposure	N/A
11.	Assign the highest toxicity value from SI Table ~~16~~ 15 or 3	N/A
12.	Multiply the toxicity and hazardous waste quantity scores. Assign the Waste Characteristics score from the table below:	WC = 0

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 or greater	100

RESIDENT POPULATION THREAT SCORE:

(Likelihood of Exposure, Question 1;
Targets = Sum of Questions 2, 3, 4, 5, 6)

LE X T X WC
82,500

0

NEARBY POPULATION THREAT SCORE:

(Likelihood of Exposure, Question 7;
Targets = Sum of Questions 8, 9)

LE X T X WC
82,500

0

SOIL EXPOSURE PATHWAY SCORE:
Resident Population Threat + Nearby Population Threat

0
(Maximum of 100)

AIR PATHWAY

Air Pathway Observed Substances Summary Table

On SI Table 21, list the hazardous substances detected in air samples of a release from the site. Include only those substances with concentrations significantly greater than background levels. Obtain benchmark, cancer risk, and reference dose concentrations from SCDM. For NAAQS/NESHAPS benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages for the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage or the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate targets in the distance category from which the sample was taken and any closer distance categories as Level I. If the percentages are less than 100% or all are N/A, evaluate targets in that distance category and any closer distance categories that are not Level I as Level II.

SI TABLE 21: AIR PATHWAY OBSERVED RELEASE SUBSTANCES

Sample ID: _____ Level I _____ Level II _____ Distance from Sources (mi) _____ References _____

Hazardous Substance	Conc. (ug/m³)	Gaseous Particulate	Benchmark Conc. (NAAQS or NESHAPS)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
	Highest Toxicity/ Mobility		Highest Percent		Sum of Percents		Sum of Percents	

Sample ID: _____ Level I _____ Level II _____ Distance from Sources (mi) _____ References _____

Hazardous Substance	Conc. (ug/m³)	Toxicity/ Mobility	Benchmark Conc. (NAAQS or NESHAPS)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
	Highest Toxicity/ Mobility		Highest Percent		Sum of Percents		Sum of Percents	

Sample ID: _____ Level I _____ Level II _____ Distance from Sources (mi) _____ References _____

Hazardous Substance	Conc. (ug/m³)	Toxicity/ Mobility	Benchmark Conc. (NAAQS or NESHAPS)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
	Highest Toxicity/ Mobility		Highest Percent		Sum of Percents		Sum of Percents	

AIR PATHWAY WORKSHEET

LIKELIHOOD OF RELEASE	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to air, assign a score of 550. Record observed release substances on SI Table 21.	N/A		
2. POTENTIAL TO RELEASE: If sampling data do not support a release to air, assign a score of 500. Optionally, evaluate air migration gaseous and particulate potential to release (HRS Section 6.1.2).	N/A		
LR =	N/A		

TARGETS			
3. ACTUAL CONTAMINATION POPULATION: Determine the number of people within the target distance limit subject to exposure from a release of a hazardous substance to the air. a) Level I: _____ people x 10 = _____ b) Level II: _____ people x 1 = _____ Total =	N/A		
4. POTENTIAL TARGET POPULATION: Determine the number of people within the target distance limit not subject to exposure from a release of a hazardous substance to the air, and assign the total population score from SI Table 22. Sum the values and multiply the sum by 0.1.	N/A		
5. NEAREST INDIVIDUAL: Assign a score of 50 if there are any Level I targets. Assign a score of 45 if there are Level II targets but no Level I targets. If no Actual Contamination Population exists, assign the Nearest Individual score from SI Table 22.	N/A		
6. ACTUAL CONTAMINATION SENSITIVE ENVIRONMENTS: Sum the sensitive environment values (SI Table 13) and wetland acreage values (SI Table 23) for environments subject to exposure from the release of a hazardous substance to the air.	N/A		
7. POTENTIAL CONTAMINATION SENSITIVE ENVIRONMENTS: Use SI Table 24 to evaluate sensitive environments not subject to exposure from a release.	N/A		
8. RESOURCES: Assign a score of 5 if one or more air resources apply within 1/2 mile of a source; assign a 0 if none applies. • Commercial agriculture • Commercial silviculture • Major or designated recreation area	N/A		
T =	N/A		

Sensitive Environment Type	*Value*

Wetland Acreage	*Value*

SI TABLE 22 (From HRS TABLE 6-17): VALUES FOR POTENTIAL CONTAMINATION AIR TARGET POPULATIONS

Distance from Site	Pop.	Nearest Individual (choose highest)	Number of People within the Distance Category												Pop. Value
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,000 to 3,000,000	
On a source		20	4	17	53	164	522	1,633	5,214	16,325	52,137	163,246	521,360	1,632,455	
0 to $\frac{1}{4}$ mile		*	1	4	13	41	131	408	1,304	4,081	13,034	40,812	130,340	408,114	
$>\frac{1}{4}$ to $\frac{1}{2}$ mile		2	0.2	0.9	3	9	28	88	282	882	2,815	8,815	28,153	88,153	
$>\frac{1}{2}$ to 1 mile		1	0.06	0.3	0.9	3	8	26	83	261	834	2,612	8,342	26,119	
> 1 to 2 miles		0	0.02	0.09	0.3	0.8	3	8	27	83	266	833	2,659	8,326	
> 2 to 3 miles		0	0.009	0.04	0.1	0.4	1	4	12	38	120	375	1,199	3,755	
>3 to 4 miles		0	0.005	0.02	0.07	0.2	0.7	2	7	28	73	229	730	2,285	
	Nearest Individual =													**Sum =**	

References _____

* Score = 20 if the Nearest Individual is within $\frac{1}{8}$ mile of a source; score = 7 if the Nearest Individual is between $\frac{1}{8}$ and $\frac{1}{4}$ mile of a source.

SI TABLE 23 (HRS TABLE 6-18): AIR PATHWAY VALUES FOR WETLAND AREA

Wetland Area	Assigned Value
< 1 acre	0
1 to 50 acres	25
> 50 to 100 acres	75
> 100 to 150 acres	125
> 150 to 200 acres	175
> 200 to 300 acres	250
> 300 to 400 acres	350
> 400 to 500 acres	450
> 500 acres	500

SI TABLE 24: DISTANCE WEIGHTS AND CALCULATIONS FOR AIR PATHWAY POTENTIAL CONTAMINATION SENSITIVE ENVIRONMENTS

Distance	Distance Weight	Sensitive Environment Type and Value (from SI Tables 13 and 20)	Product
On a Source	0.10	x	
		x	
0 to 1/4 mile	0.025	x	
		x	
		x	
1/4 to 1/2 mile	0.0054	x	
		x	
		x	
1/2 to 1 mile	0.0016	x	
		x	
		x	
1 to 2 miles	0.0005	x	
		x	
		x	
2 to 3 miles	0.00023	x	
		x	
		x	
3 to 4 miles	0.00014	x	
		x	
		x	
> 4 miles	0	x	

Total Environments Score = [ ]

AIR PATHWAY (concluded)

WASTE CHARACTERISTICS

9. If any Actual Contamination Targets exist for the air pathway, assign the calculated hazardous waste quantity score or a score of 100, whichever is greater; if there are no Actual Contamination Targets for the air pathway, assign the calculated HWQ score for sources available to air migration.	N/A
10. Assign the highest air toxicity/mobility value from SI Table 21.&3	N/A
11. Multiply the air pathway toxicity/mobility and hazardous waste quantity scores. Assign the Waste Characteristics score from the table below:	WC = 0

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 or greater	100

AIR PATHWAY SCORE: $\frac{LE \times T \times WC}{82,500}$ 0 (maximum of 100)

SITE SCORE CALCULATION	S	S^2
GROUND WATER PATHWAY SCORE (S_{GW})	0	0
SURFACE WATER PATHWAY SCORE (S_{SW})	0	0
SOIL EXPOSURE (S_S)	0	0
AIR PATHWAY SCORE (S_A)	0	0
SITE SCORE $\sqrt{\frac{S_{GW}^2+S_{SW}^2+S_S^2+S_A^2}{4}}$ =		0

COMMENTS

The Hazardous Waste Quanity Score is zero. An observed release could not be established - therefore there are no actual contamination targets.